



HOMER

Intersections Planning Study

Appendices



Prepared by Kinney Engineering, USKH, Brooks and Associates
for the State of Alaska Public Transportation & Public Facilities

October 27, 2005

Appendix A
Current AADT and Intersection
Turning Movements

1993 to 2003 AADT (From Central Region Annual Traffic Annual Traffic Volume Report(s))

Begin	End	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1993 to 2002 Average AADT
Sterling Highway													
Southwest Marine Highway	FAA Road	4,222	4,199	4,268	4,219	4,245	4,022	4,009	4,011	4,023	4,107	4,055	4,133
FAA Road	Lake Street	6,900	6,900	7,419	7,600	7,700	8,050	6,263	6,240	5,889	6,111	6,250	6,907
Lake Street	Main Street	6,804	6,800	7,122	7,331	7,420	7,759	8,286	8,535	8,587	8,873	9,393	7,752
Main Street	Pioneer Avenue	4,800	5,218	5,400	5,500	5,857	6,120	6,230	6,080	6,290	6,490	8,838	5,799
Pioneer Avenue	Crittenden Drive	6,500	6,500	6,811	7,000	7,100	7,440	6,962	7,050	7,742	8,957	9,370	7,206
Crittenden Drive	West Hill Road	4,400	4,400	6,157	6,300	6,400	6,707	6,830	6,920	6,384	6,590	6,890	6,109
West Hill Road	Rogers Loop	3,478	3,500	3,800	4,443	4,672	5,580	4,230	4,210	3,890	4,773	4,960	4,258
Pioneer Avenue													
Lake Street	Main Street	7,200	7,119	7,400	7,500	6,839	7,080	7,300	7,249	6,534	6,450	6,871	7,067
Main Street	Sterling Highway	3,696	3,700	3,800	3,800	5,569	5,730	5,890	6,050	6,020	4,513	4,580	4,877
Lake Street													
Sterling Highway	Pioneer Avenue	5,500	5,500	5,074	5,100	5,200	5,382	5,550	5,700	6,075	6,000	6,110	5,508
Kachemak Bay Drive													
Sterling Highway	Lou's Storage	1,828	1,880	1,840	1,578	1,600	1,670	1,720	1,770	1,760	2,100	2,130	1,775
East End Road													
Lake Street	East Hill Road	6,661	6,879	7,153	7,264	7,416	7,405	7,705	8,001	7,943	7,574	7,776	7,400
East Hill Road	Kachemak Bay Drive	4,353	4,450	4,600	4,600	4,700	4,680	4,870	5,060	5,020	4,522	4,650	4,686
East Hill Road													
East End Road	Mission Road	1,100	1,100	1,458	1,460	1,600	1,732	1,800	1,870	1,789	1,550	1,590	1,546
Bartlett Street													
Pioneer Avenue	Fairview Avenue	1,490	1,389	1,400	1,400	1,156	1,225	1,270	2,002	2,061	1,518	1,913	1,491
Main Street													
Bunnell Avenue	Sterling Highway	1,700	1,700	2,000	1,506	1,859	1,850	1,930	2,000	1,933	1,840	1,898	1,832
Sterling Highway	Pioneer Avenue	2,000	2,000	2,587	2,500	2,800	2,666	2,770	2,880	2,698	2,570	2,640	2,547
West Hill Road													
Sterling Highway	Miller Loop	1,197	1,230	1,260	1,300	1,514	1,800	1,404	1,460	1,832	1,810	2,075	1,481

Estimated 2003/2004 AADT for Additional Locations (From Traffic Counts)

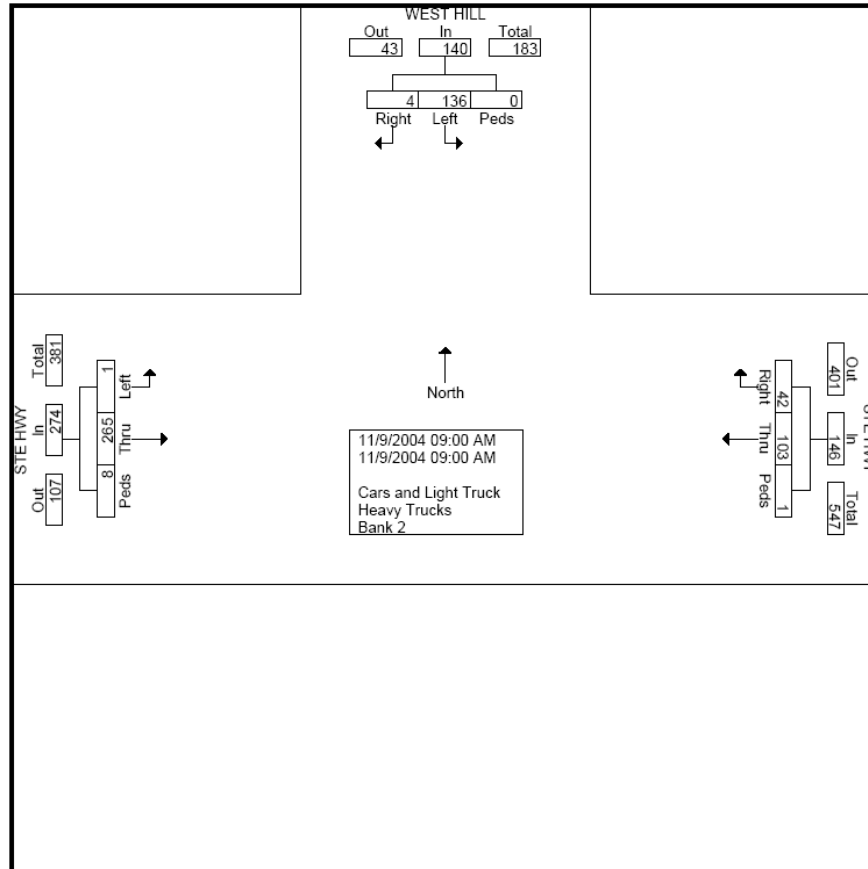
Street	Begin	End	2003 / 2004 AADT
Heath Street	Fairview Avenue	Pioneer Avenue	475
Heath Street	Pioneer Avenue	Grubstake	2,300
Heath Street	Grubstake	Sterling Hwy (Homer Bypass)	4,650
Heath Street	Sterling Hwy	Homer Public Works	300
Fairview Avenue	Homer High School	East End Road	500
Main Street	Pioneer Avenue	Fairview	1,900

Sterling Highway and West Hill Road

File Name : sterling west hill am
 Site Code : 00000000
 Start Date : 11/9/2004
 Page No : 1

Groups Printed- Cars and Light Truck - Heavy Trucks - Bank 2

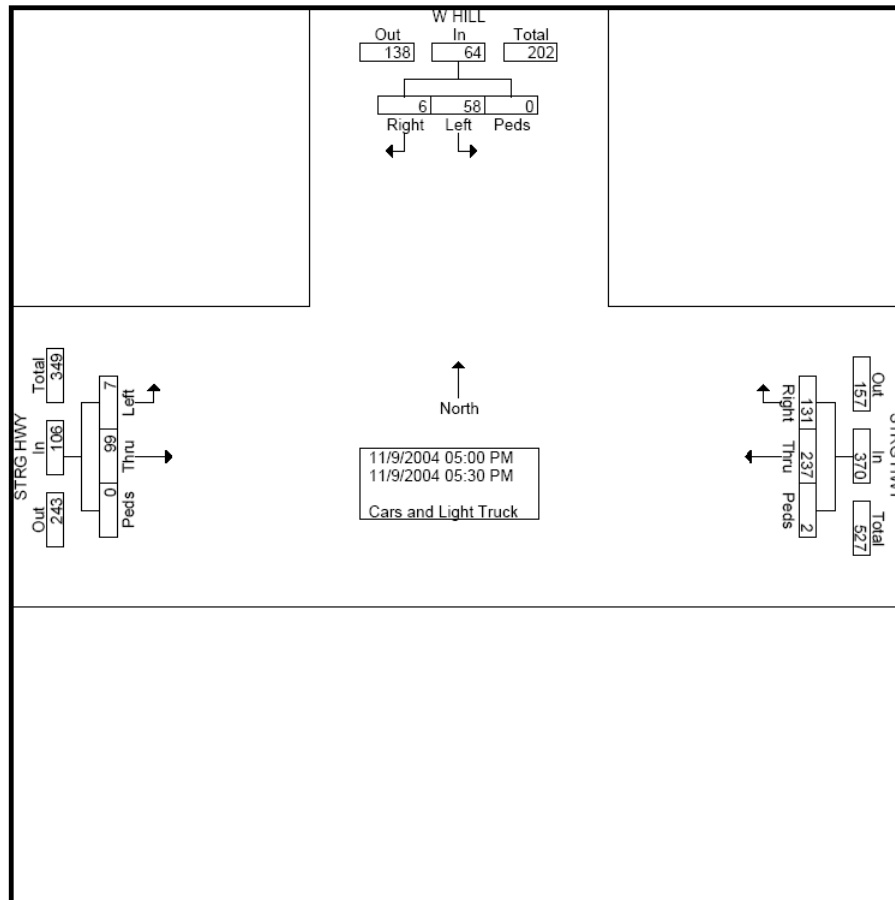
	WEST HILL From North			STE HWY From East			STE HWY From West										Int. Total
	Left	Right	Peds	Thru	Right	Peds	Left	Thru	Peds	Peds	Peds	Peds	Peds	Peds	Peds	Peds	
Start Time	09:00 AM	136	4	0	103	42	1	1	265	1	1	1	1	1	1	1	560
Grand Total	136	4	0	103	42	1	1	265	1	1	1	1	1	1	1	1	560
Apprch %	97.1	2.9	0	70.5	28.8	0.7	0.4	96.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Total %	24.3	0.7	0	18.4	7.5	0.2	0.2	47.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Cars and Light Truck	136	4	0	103	42	1	1	265	1	1	1	1	1	1	1	1	560
% Cars and Light Truck	100	100	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Heavy Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Heavy Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



File Name : sterling west hill pm
 Site Code : 00000000
 Start Date : 11/9/2004
 Page No : 1

Groups Printed- Cars and Light Truck

Start Time	W HILL From North			STRG HWY From East			STRG HWY From West										Int. Total
	Left	Right	Peds	Thru	Right	Peds	Left	Thru	Peds	Peds	Peds	Peds	Peds	Peds	Peds	Peds	
05:00 PM	26	2	0	131	77	0	2	52	0	0	0	0	0	0	0	0	290
05:30 PM	32	4	0	106	54	2	5	47	0	0	0	0	0	0	0	0	250
Total	58	6	0	237	131	2	7	99	0	0	0	0	0	0	0	0	540
Grand Total	58	6	0	237	131	2	7	99	0	0	0	0	0	0	0	0	540
Apprch %	90.6	9.4	0	64.1	35.4	0.5	6.6	93.4	0	0	0	0	0	0	0	0	
Total %	10.7	1.1	0	43.9	24.3	0.4	1.3	18.3	0	0	0	0	0	0	0	0	



Sterling Highway and Pioneer Avenue

File Name : Sterling and Pioneer CK Generated_15

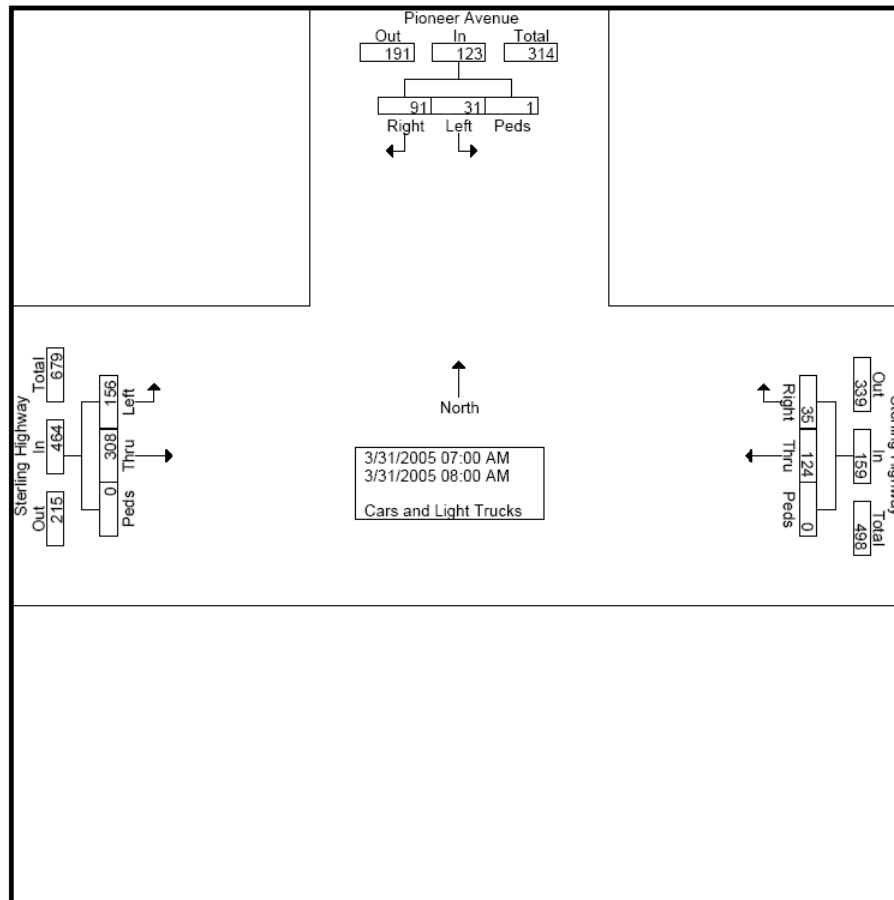
Site Code : 00000000

Start Date : 3/31/2005

Page No : 1

Groups Printed- Cars and Light Trucks

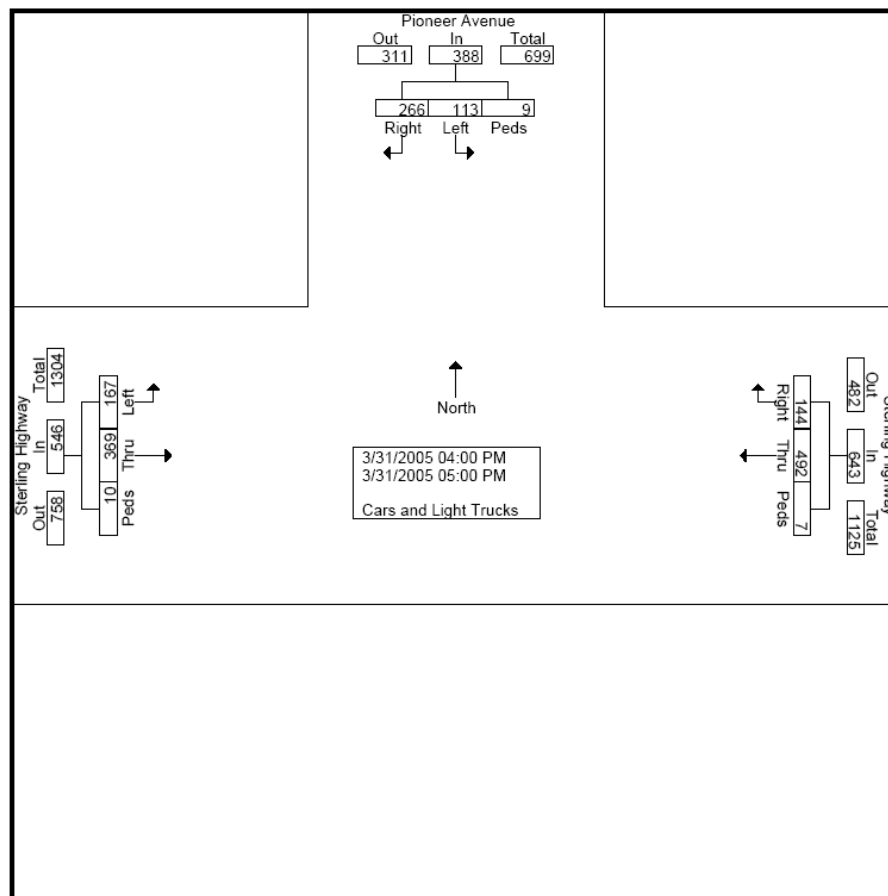
	Pioneer Avenue From North			Sterling Highway From East			Sterling Highway From West			
Start Time	Left	Right	Peds	Thru	Right	Peds	Left	Thru	Peds	Int. Total
07:00 AM	14	31	0	45	14	0	62	139	0	305
08:00 AM	17	60	1	79	21	0	94	169	0	441
Grand Total	31	91	1	124	35	0	156	308	0	746
Apprch %	25.2	74	0.8	78	22	0	33.6	66.4	0	
Total %	4.2	12.2	0.1	16.6	4.7	0	20.9	41.3	0	



File Name : Sterling and Pioneer CK Generated_15
 Site Code : 00000000
 Start Date : 3/31/2005
 Page No : 1

Groups Printed- Cars and Light Trucks

	Pioneer Avenue From North			Sterling Highway From East			Sterling Highway From West			
Start Time	Left	Right	Peds	Thru	Right	Peds	Left	Thru	Peds	Int. Total
04:00 PM	53	137	7	221	78	4	85	194	3	782
05:00 PM	60	129	2	271	66	3	82	175	7	795
Grand Total	113	266	9	492	144	7	167	369	10	1577
Apprch %	29.1	68.6	2.3	76.5	22.4	1.1	30.6	67.6	1.8	
Total %	7.2	16.9	0.6	31.2	9.1	0.4	10.6	23.4	0.6	

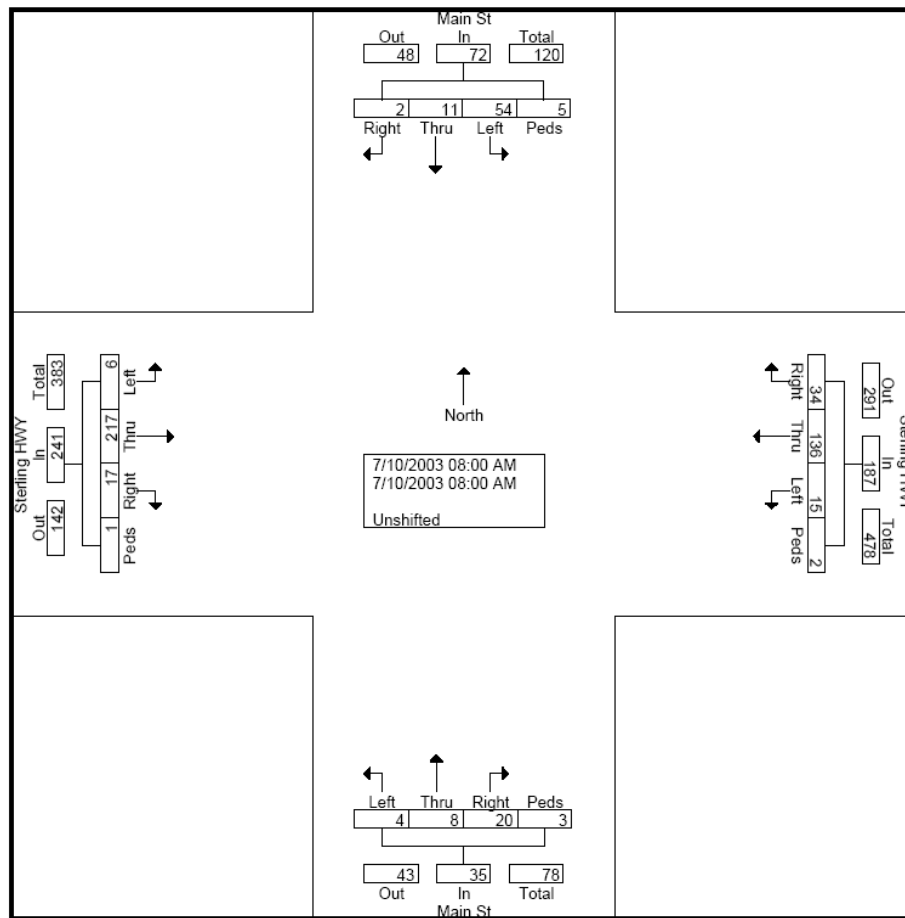


Sterling Highway and Main Street

File Name : HOMER_~2
 Site Code : 22222224
 Start Date : 7/10/2003
 Page No : 1

Groups Printed- Unshifted

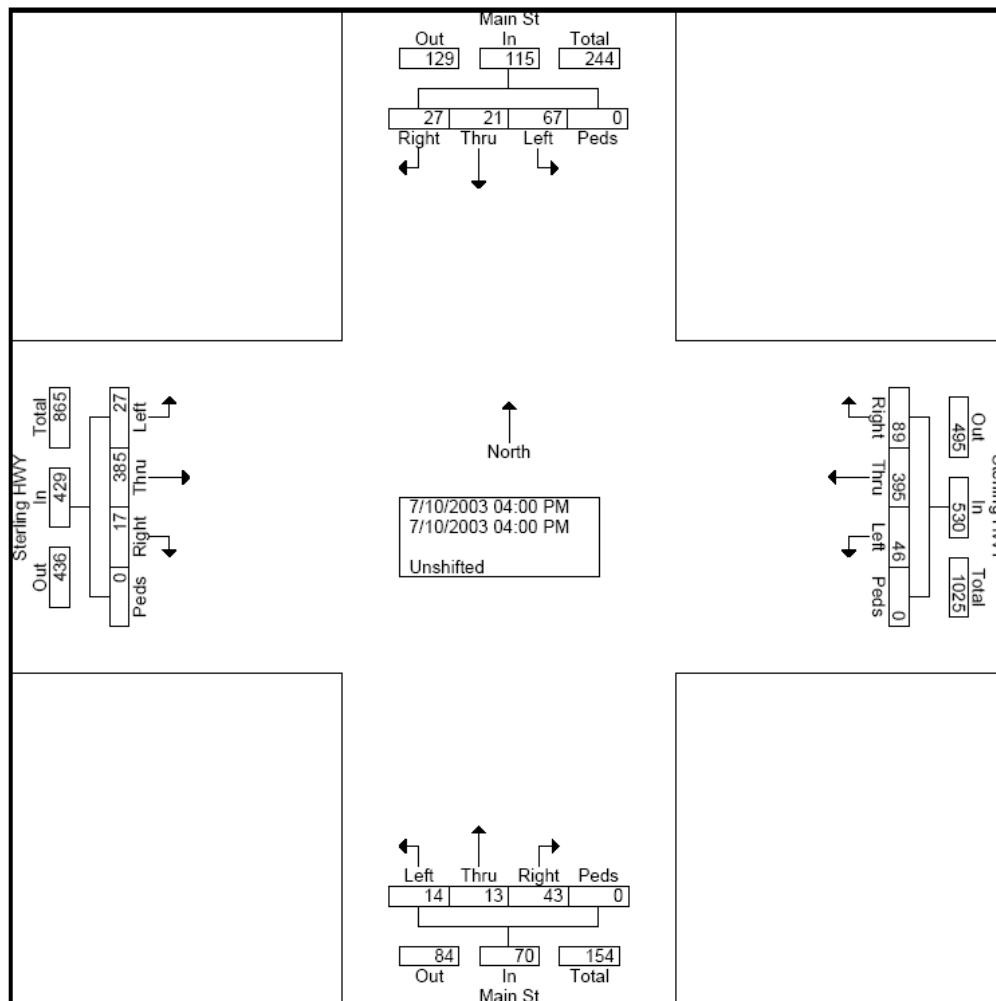
	Main St From North				Sterling HWY From East				Main St From South				Sterling HWY From West				
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
08:00 AM	54	11	2	5	15	136	34	2	4	8	20	3	6	217	17	1	535
Grand Total	54	11	2	5	15	136	34	2	4	8	20	3	6	217	17	1	535
Apprch %	75	15.3	2.8	6.9	8	72.7	18.2	1.1	11.4	22.9	57.1	8.6	2.5	90	7.1	0.4	
Total %	10.1	2.1	0.4	0.9	2.8	25.4	6.4	0.4	0.7	1.5	3.7	0.6	1.1	40.6	3.2	0.2	



File Name : Homer_Sterling_Main_PH_PM
 Site Code : 22222225
 Start Date : 7/10/2003
 Page No : 1

Groups Printed- Unshifted

	Main St From North				Sterling HWY From East				Main St From South				Sterling HWY From West				Int. Total
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
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	67	21	27	0	46	395	89	0	14	13	43	0	27	385	17	0	1144
Grand Total	67	21	27	0	46	395	89	0	14	13	43	0	27	385	17	0	1144
Apprch %	58.3	18.3	23.5	0	8.7	74.5	16.8	0	20	18.6	61.4	0	6.3	89.7	4	0	
Total %	5.9	1.8	2.4	0	4	34.5	7.8	0	1.2	1.1	3.8	0	2.4	33.7	1.5	0	



Sterling Highway and Heath Street

File Name : Sterling-Heath am tm

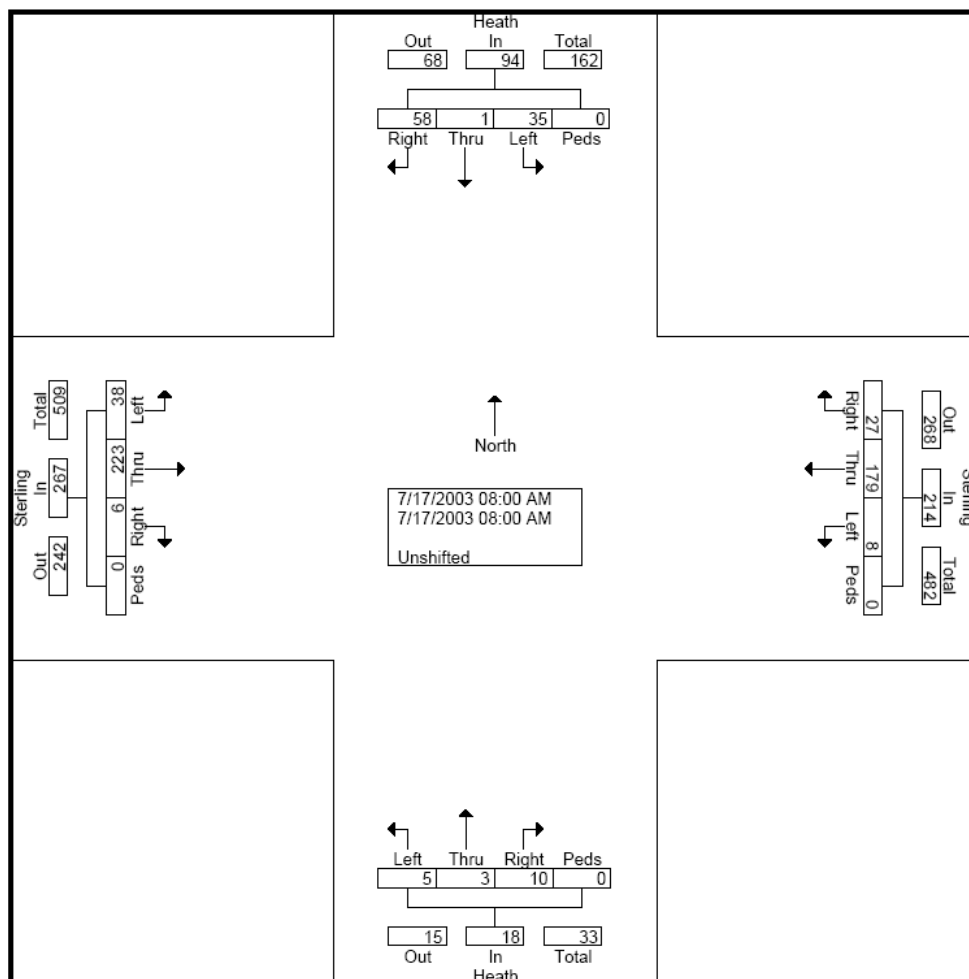
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Start Date : 7/17/2003

Page No : 1

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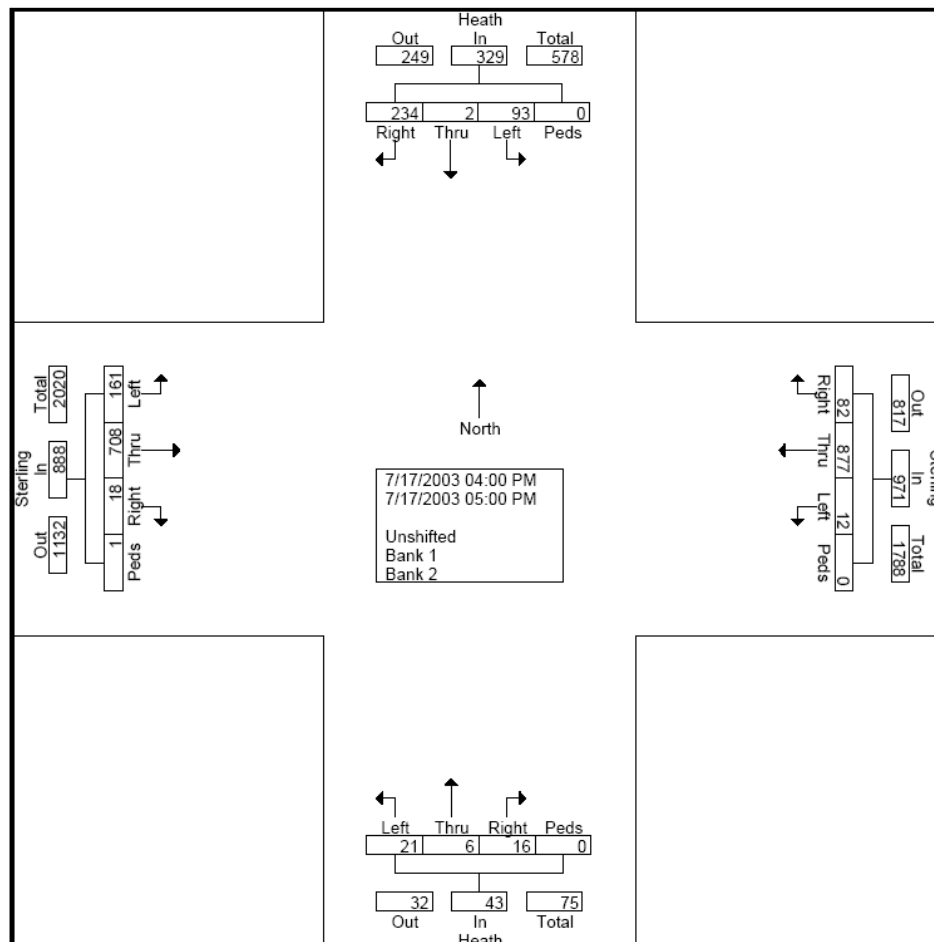
	Heath From North				Sterling From East				Heath From South				Sterling From West				
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
08:00 AM	35	1	58	0	8	179	27	0	5	3	10	0	38	223	6	0	593
Grand Total	35	1	58	0	8	179	27	0	5	3	10	0	38	223	6	0	593
Apprch %	37.2	1.1	61.7	0	3.7	83.6	12.6	0	27.8	16.7	55.6	0	14.2	83.5	2.2	0	
Total %	5.9	0.2	9.8	0	1.3	30.2	4.6	0	0.8	0.5	1.7	0	6.4	37.6	1	0	



File Name : STERLI~3
 Site Code : 22222226
 Start Date : 7/17/2003
 Page No : 1

Groups Printed- Unshifted - Bank 1 - Bank 2

Start Time	Heath From North				Sterling From East				Heath From South				Sterling From West				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
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	40	0	124	0	6	450	33	0	12	5	9	0	88	350	9	0	1126
05:00 PM	53	2	110	0	6	427	49	0	9	1	7	0	73	358	9	1	1105
Grand Total	93	2	234	0	12	877	82	0	21	6	16	0	161	708	18	1	2231
Apprch %	28.3	0.6	71.1	0	1.2	90.3	8.4	0	48.8	14	37.2	0	18.1	79.7	2	0.1	
Total %	4.2	0.1	10.5	0	0.5	39.3	3.7	0	0.9	0.3	0.7	0	7.2	31.7	0.8	0	
Unshifted	93	2	234	0	12	877	82	0	21	6	16	0	161	708	18	1	2231
% Unshifted	100	100	100	0	100	100	100	0	100	100	100	0	100	100	100	100	100
Bank 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Sterling Highway and Lake Street

File Name : Homer_Sterling_Lake_16HR_RK edits

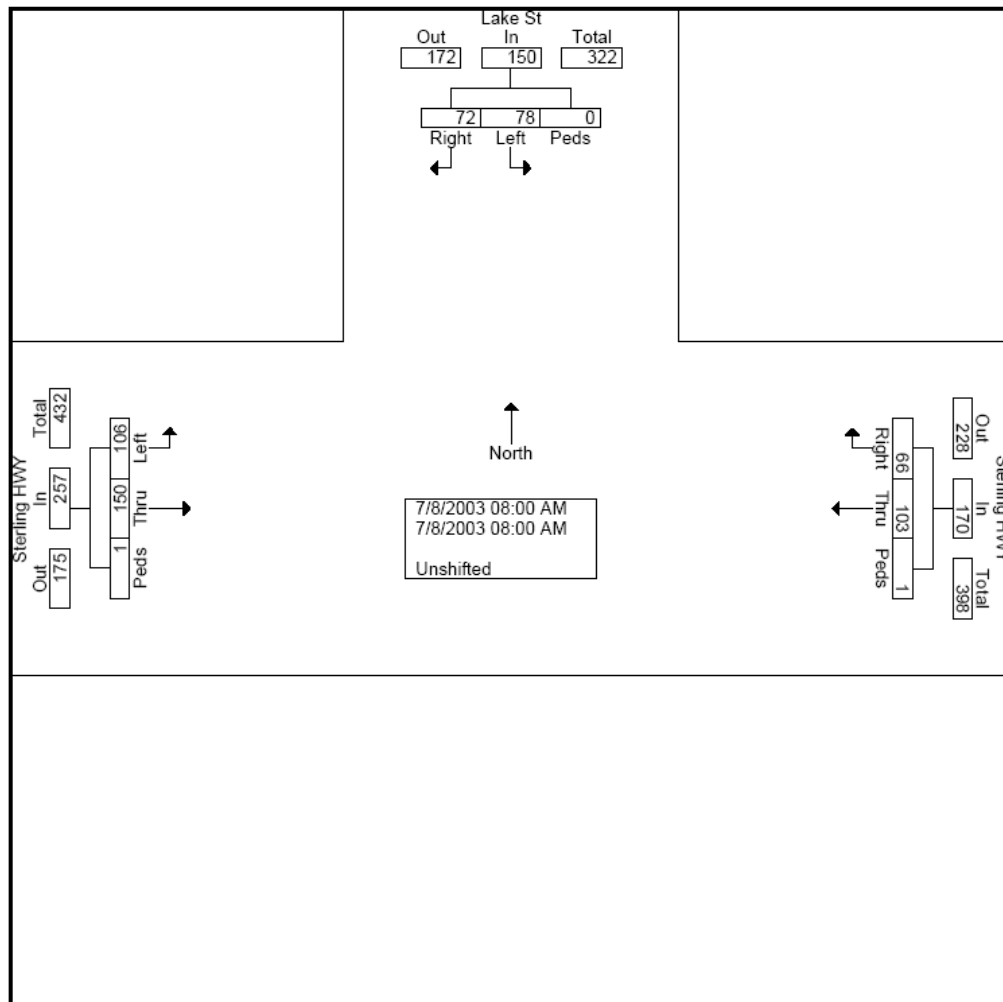
Site Code : 22222221

Start Date : 7/8/2003

Page No : 1

Groups Printed- Unshifted

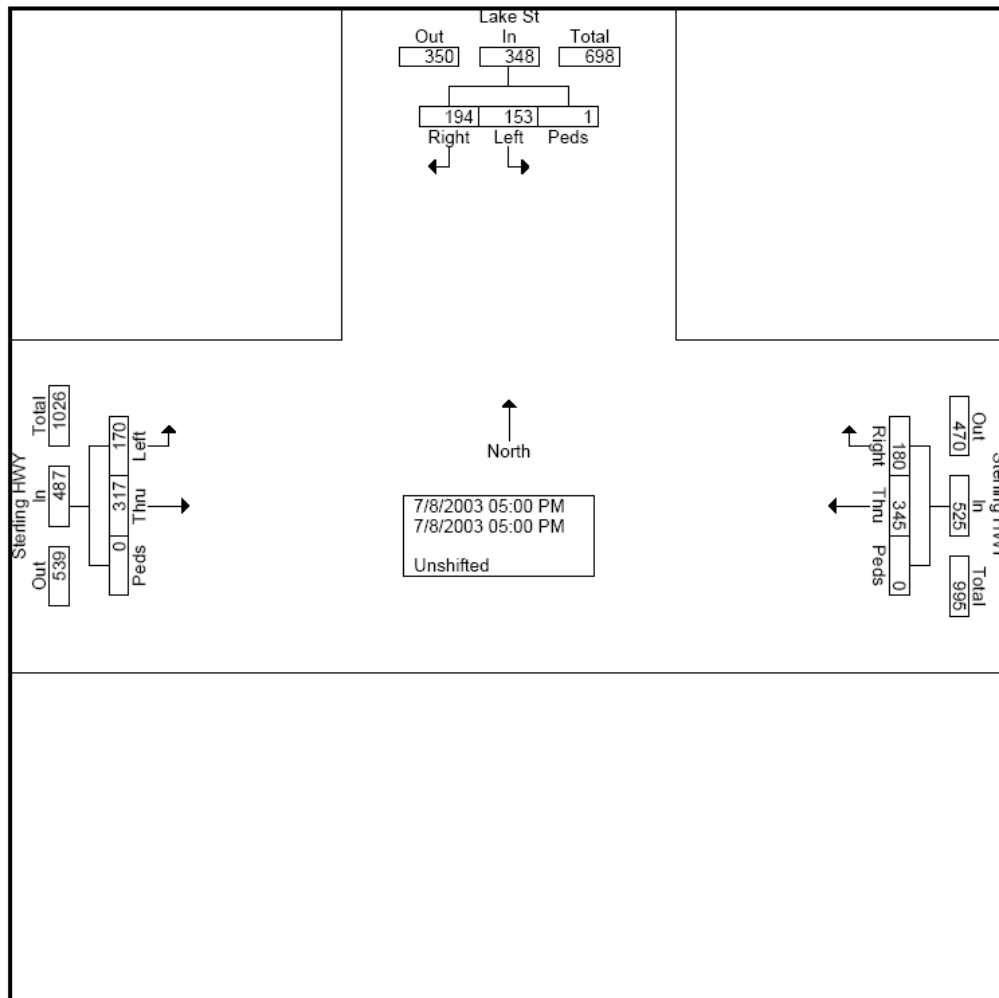
	Sterling HWY From West			Lake St From North			Sterling HWY From East			
Start Time	Left	Thru	Peds	Left	Right	Peds	Thru	Right	Peds	Int. Total
Factor	0.754	0.754	0.754	0.754	0.754	0.754	0.754	0.754	0.754	
08:00 AM	106	150	1	78	72	0	103	66	1	577
Grand Total	106	150	1	78	72	0	103	66	1	577
Apprch %	41.2	58.4	0.4	52	48	0	60.6	38.8	0.6	
Total %	18.4	26	0.2	13.5	12.5	0	17.9	11.4	0.2	



File Name : Homer_Sterling_Lake_16HR_RK edits
 Site Code : 22222221
 Start Date : 7/8/2003
 Page No : 1

Groups Printed- Unshifted

	Sterling HWY From West			Lake St From North			Sterling HWY From East			
Start Time	Left	Thru	Peds	Left	Right	Peds	Thru	Right	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
05:00 PM	170	317	0	153	194	1	345	180	0	1360
Grand Total	170	317	0	153	194	1	345	180	0	1360
Apprch %	34.9	65.1	0	44	55.7	0.3	65.7	34.3	0	
Total %	12.5	23.3	0	11.2	14.3	0.1	25.4	13.2	0	



Sterling Highway and Kachemak Bay Drive

File Name : Homer Spit-Katchmak Bay Road_AM

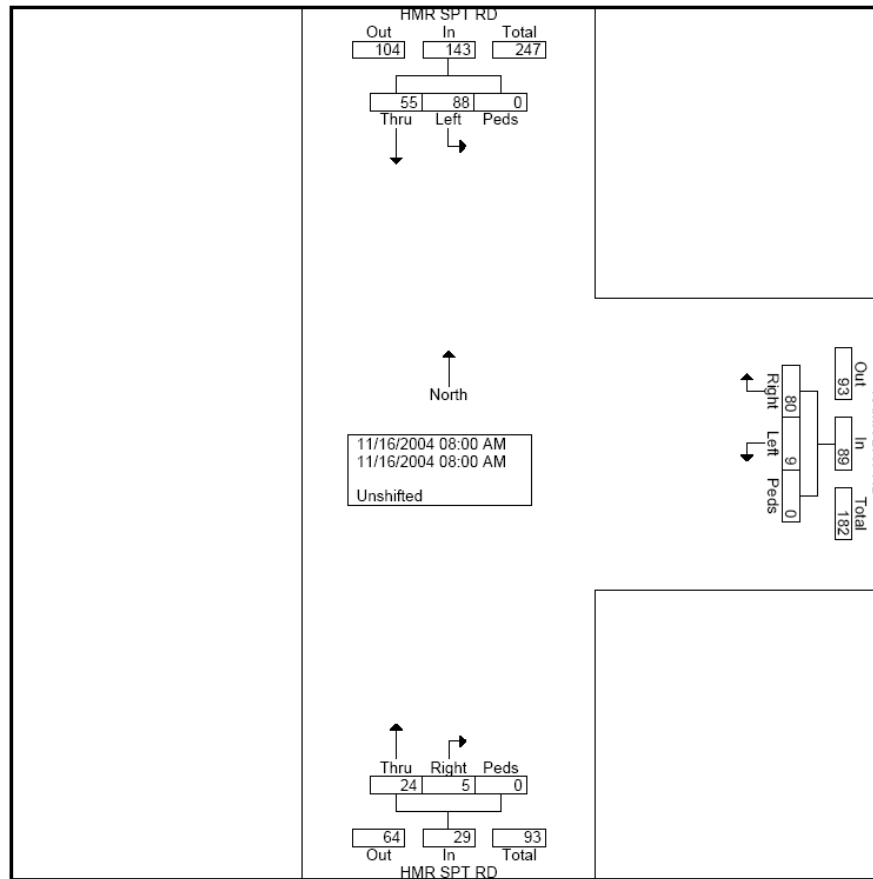
Site Code : 00000000

Start Date : 11/16/2004

Page No : 1

Groups Printed- Unshifted

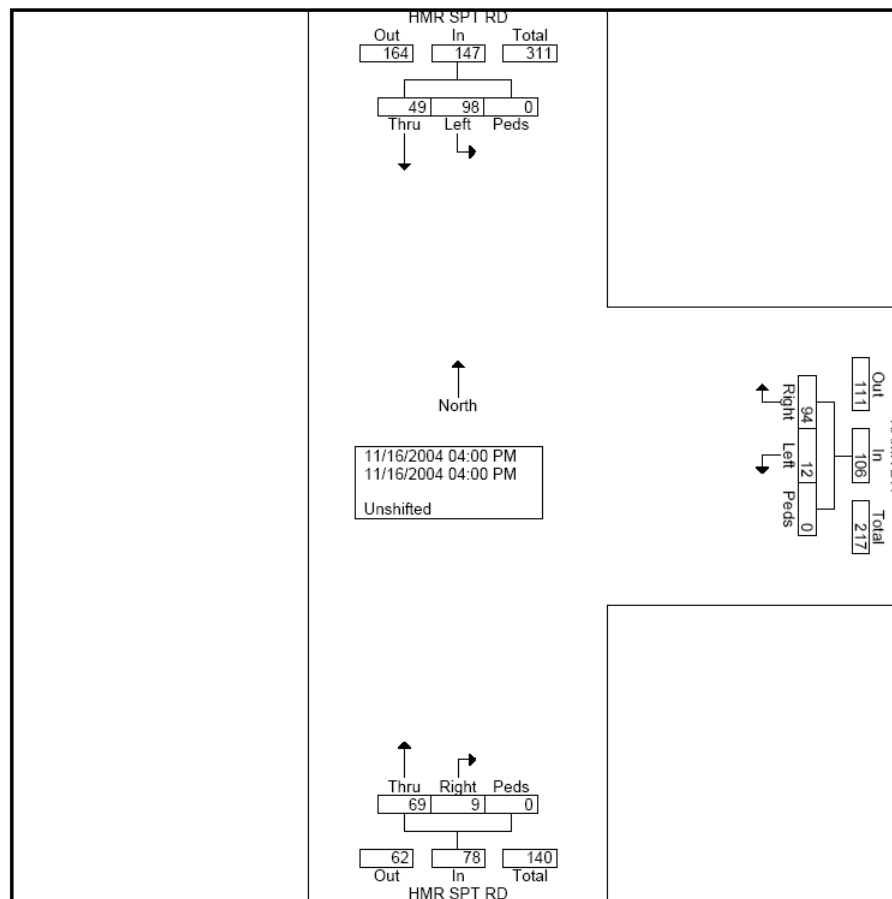
	HMR SPT RD From North				KAMK BAY RD From East				HMR SPT RD From South				KAMK BAY RD From West				Int. Total
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
08:00 AM	88	55	0	0	9	0	80	0	0	24	5	0	0	0	0	0	261
Grand Total	88	55	0	0	9	0	80	0	0	24	5	0	0	0	0	0	261
Apprch %	61.5	38.5	0	0	10.1	0	89.9	0	0	82.8	17.2	0	0	0	0	0	
Total %	33.7	21.1	0	0	3.4	0	30.7	0	0	9.2	1.9	0	0	0	0	0	



File Name : Homer Spit-Katchmak Bay Road_PM
 Site Code : 00000000
 Start Date : 11/16/2004
 Page No : 1

Groups Printed- Unshifted

	HMR SPT RD From North				KAMK DR From East				HMR SPT RD From South				KAMK DR From West				Int. Total
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
04:00 PM	98	49	5	0	12	1	94	0	0	69	9	0	1	4	1	0	343
Grand Total	98	49	5	0	12	1	94	0	0	69	9	0	1	4	1	0	343
Apprch %	64.5	32.2	3.3	0	11.2	0.9	87.9	0	0	88.5	11.5	0	16.7	66.7	16.7	0	
Total %	28.6	14.3	1.5	0	3.5	0.3	27.4	0	0	20.1	2.6	0	0.3	1.2	0.3	0	



Pioneer Avenue and Bartlett Street

File Name : Pioneer-Bartlett am pk

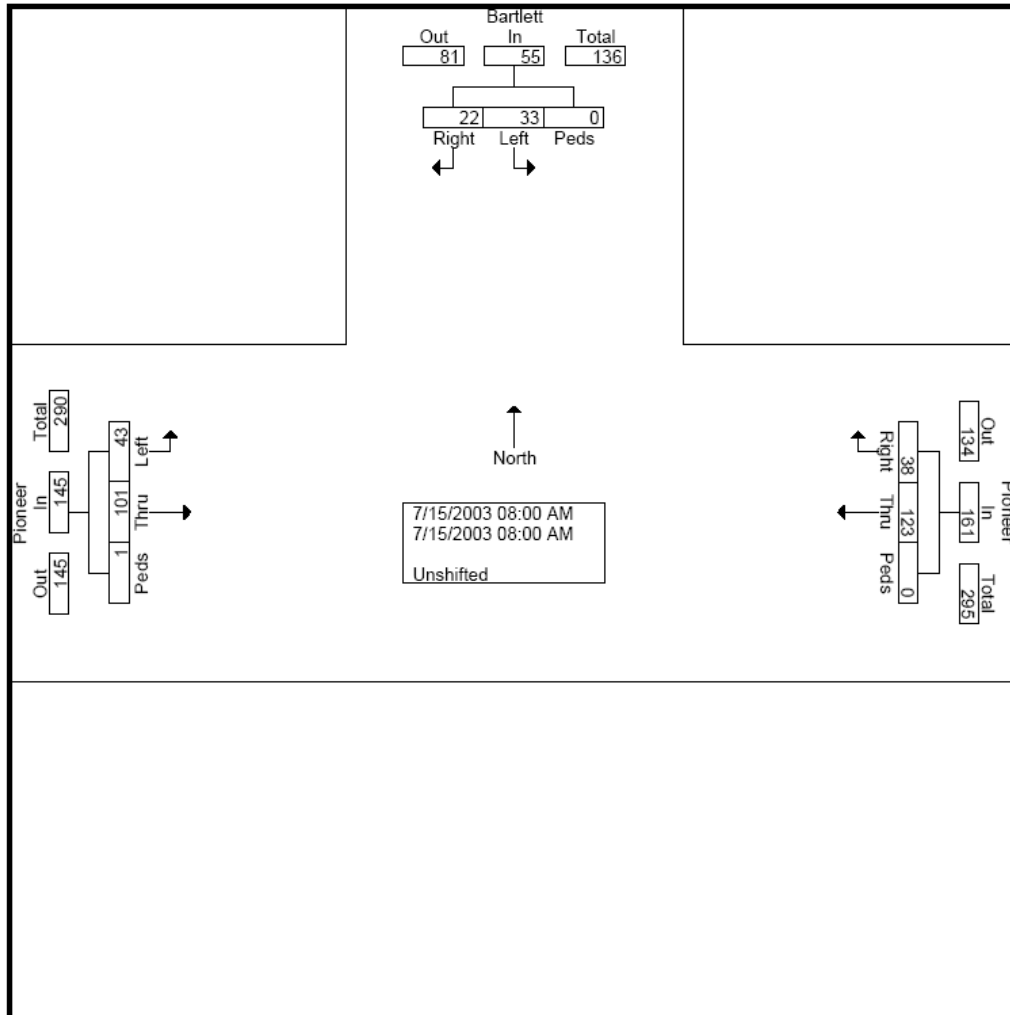
Site Code : 22222227

Start Date : 7/15/2003

Page No : 1

Groups Printed- Unshifted

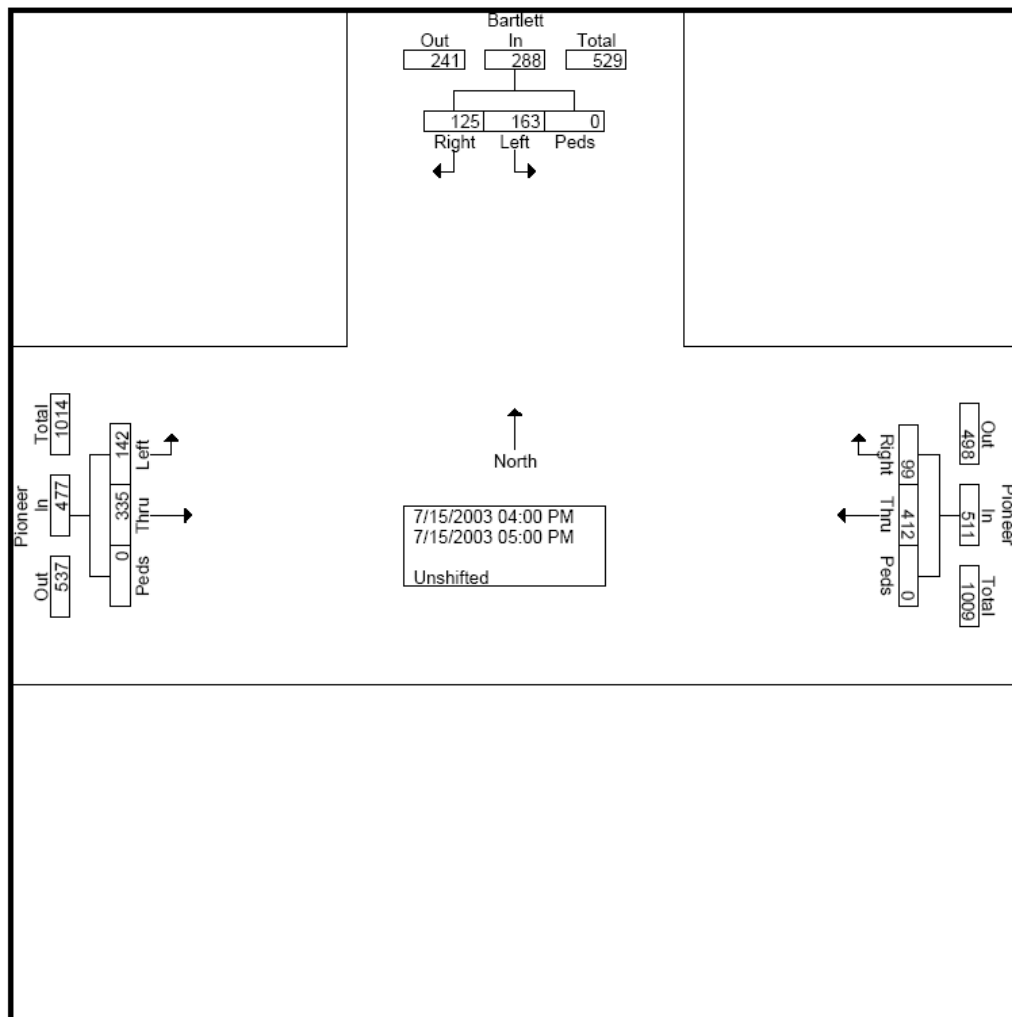
	Bartlett From North				Pioneer From East				Bartlett From South				Pioneer From West				
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
08:00 AM	33	0	22	0	0	123	38	0	0	0	0	0	43	101	1	1	362
Grand Total	33	0	22	0	0	123	38	0	0	0	0	0	43	101	1	1	362
Apprch %	60	0	40	0	0	76.4	23.6	0	0	0	0	0	29.5	69.2	0.7	0.7	
Total %	9.1	0	6.1	0	0	34	10.5	0	0	0	0	0	11.9	27.9	0.3	0.3	



File Name : Pioneer-Bartlett pm pk
 Site Code : 22222229
 Start Date : 7/15/2003
 Page No : 1

Groups Printed- Unshifted

	Bartlett From North				Pioneer From East				Bartlett From South				Pioneer From West				Int. Total
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
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	90	0	67	0	0	200	58	0	0	0	0	0	82	167	0	0	664
05:00 PM	73	0	58	0	0	212	41	0	0	0	0	0	60	168	0	0	612
Grand Total	163	0	125	0	0	412	99	0	0	0	0	0	142	335	0	0	1276
Apprch %	56.6	0	43.4	0	0	80.6	19.4	0	0	0	0	0	29.8	70.2	0	0	
Total %	12.8	0	9.8	0	0	32.3	7.8	0	0	0	0	0	11.1	26.3	0	0	

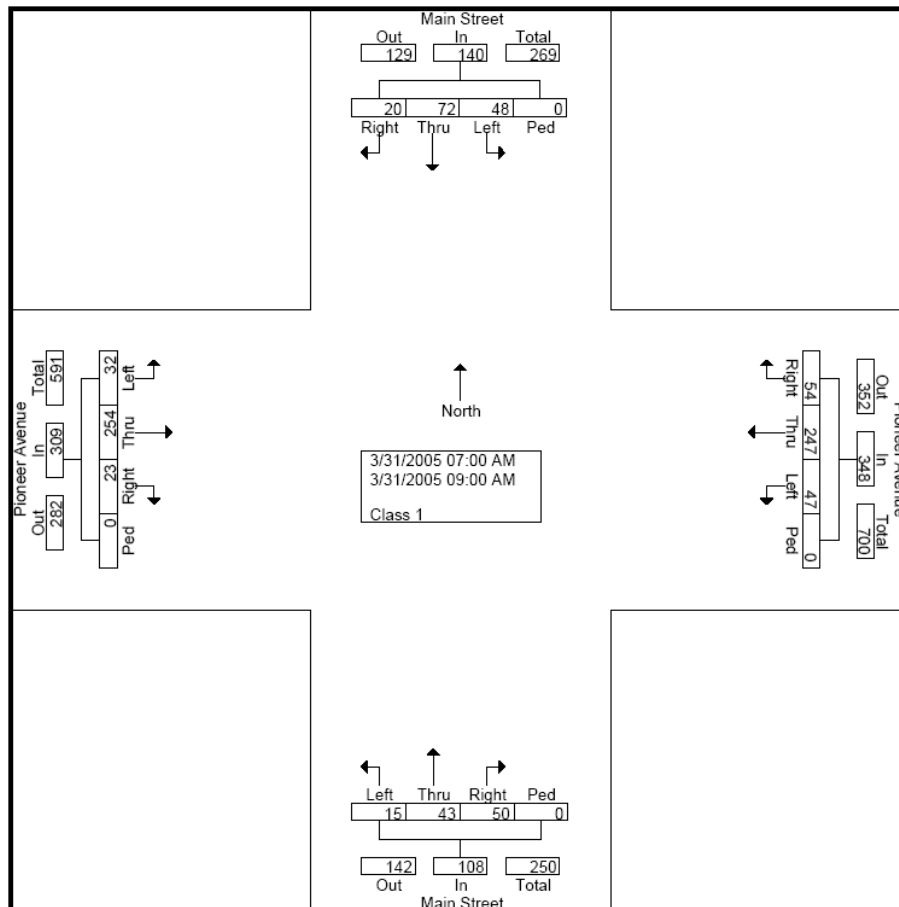


Pioneer Avenue and Main Street

File Name : Pioneer and Main ck
 Site Code : 00000000
 Start Date : 3/31/2005
 Page No : 1

Groups Printed- Class 1

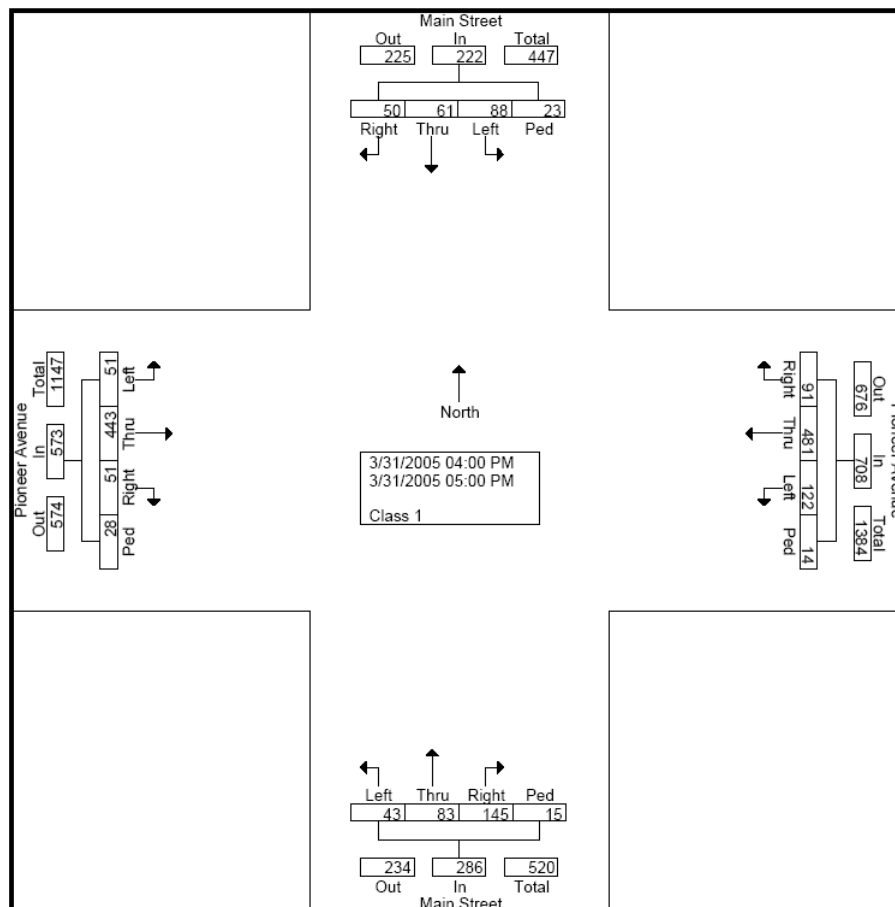
	Main Street From North				Pioneer Avenue From East				Main Street From South				Pioneer Avenue From West				
Start Time	Left	Thru	Right	Ped	Left	Thru	Right	Ped	Left	Thru	Right	Ped	Left	Thru	Right	Ped	Int. Total
07:00 AM	15	27	5	0	13	64	18	0	6	12	17	0	5	80	6	0	268
08:00 AM	33	30	10	0	29	135	28	0	9	19	22	0	15	132	4	0	466
09:00 AM	0	15	5	0	5	48	8	0	0	12	11	0	12	42	13	0	171
Grand Total	48	72	20	0	47	247	54	0	15	43	50	0	32	254	23	0	905
Apprch %	34.3	51.4	14.3	0	13.5	71	15.5	0	13.9	39.8	46.3	0	10.4	82.2	7.4	0	
Total %	5.3	8	2.2	0	5.2	27.3	6	0	1.7	4.8	5.5	0	3.5	28.1	2.5	0	



File Name : Pioneer and Main ck
 Site Code : 00000000
 Start Date : 3/31/2005
 Page No : 1

Groups Printed- Class 1

	Main Street From North				Pioneer Avenue From East				Main Street From South				Pioneer Avenue From West				Int. Total
Start Time	Left	Thru	Right	Ped	Left	Thru	Right	Ped	Left	Thru	Right	Ped	Left	Thru	Right	Ped	
04:00 PM	52	28	22	9	61	235	45	7	24	36	71	11	27	218	26	17	889
05:00 PM	36	33	28	14	61	246	46	7	19	47	74	4	24	225	25	11	900
Grand Total	88	61	50	23	122	481	91	14	43	83	145	15	51	443	51	28	1789
Apprch %	39.6	27.5	22.5	10.4	17.2	67.9	12.9	2	15	29	50.7	5.2	8.9	77.3	8.9	4.9	
Total %	4.9	3.4	2.8	1.3	6.8	26.9	5.1	0.8	2.4	4.6	8.1	0.8	2.9	24.8	2.9	1.6	



Pioneer Avenue and Heath Street

File Name : Pioneer-Heath pkhr tms

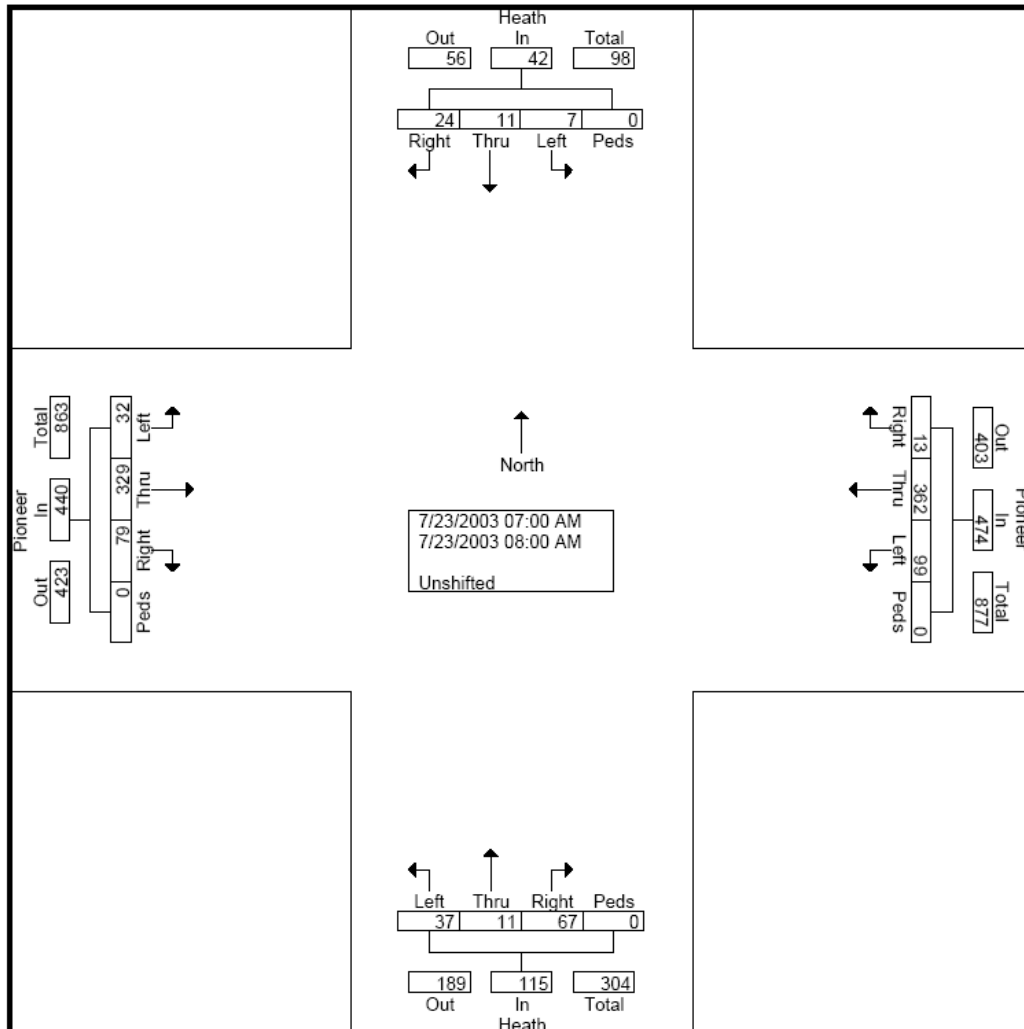
Site Code : 22222212

Start Date : 7/23/2003

Page No : 1

Groups Printed- Unshifted

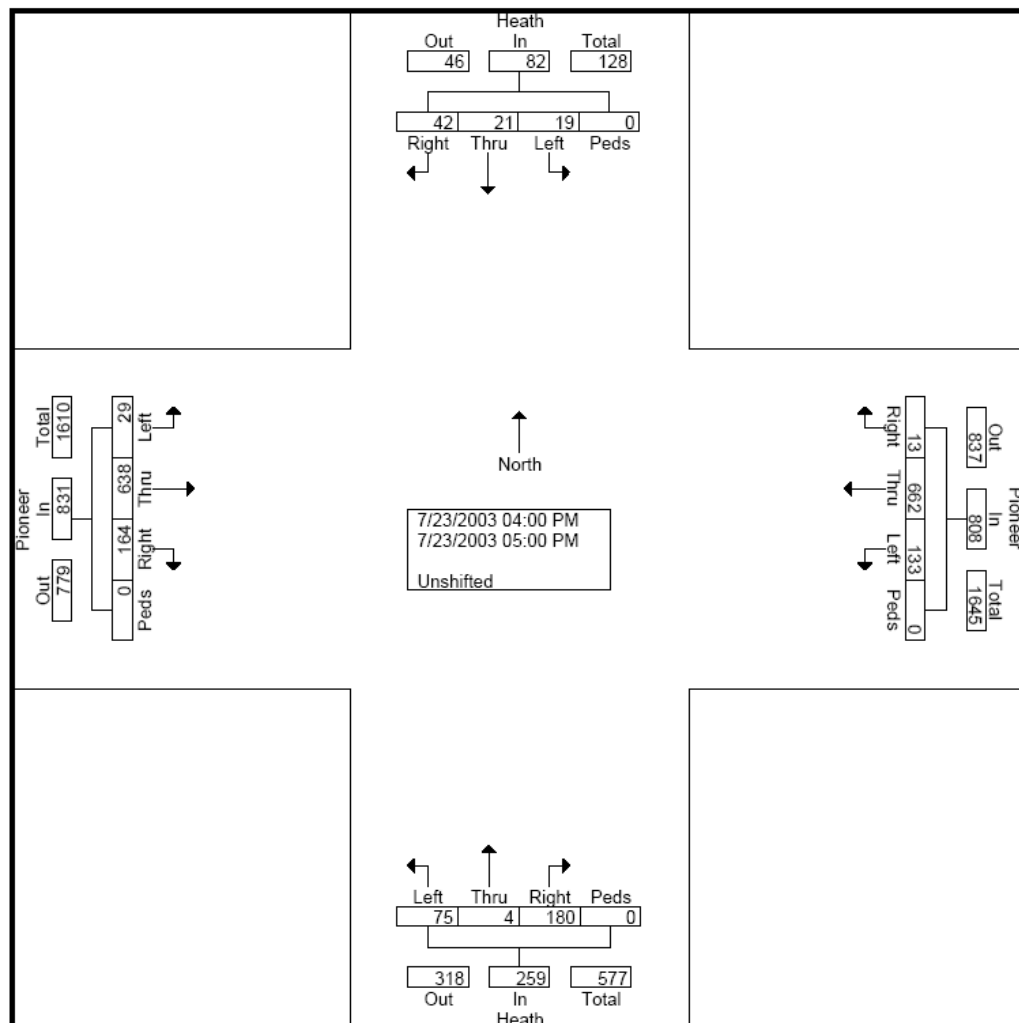
	Heath From North				Pioneer From East				Heath From South				Pioneer From West				
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	4	4	13	0	35	134	3	0	20	2	20	0	10	126	30	0	401
08:00 AM	3	7	11	0	64	228	10	0	17	9	47	0	22	203	49	0	670
Grand Total	7	11	24	0	99	362	13	0	37	11	67	0	32	329	79	0	1071
Apprch %	16.7	26.2	57.1	0	20.9	76.4	2.7	0	32.2	9.6	58.3	0	7.3	74.8	18	0	
Total %	0.7	1	2.2	0	9.2	33.8	1.2	0	3.5	1	6.3	0	3	30.7	7.4	0	



File Name : Pioneer-Heath pkhr tms
 Site Code : 22222212
 Start Date : 7/23/2003
 Page No : 1

Groups Printed- Unshifted

	Heath From North				Pioneer From East				Heath From South				Pioneer From West				Int. Total
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
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	6	4	25	0	76	308	8	0	42	1	87	0	14	282	89	0	942
05:00 PM	13	17	17	0	57	354	5	0	33	3	93	0	15	356	75	0	1038
Grand Total	19	21	42	0	133	662	13	0	75	4	180	0	29	638	164	0	1980
Apprch %	23.2	25.6	51.2	0	16.5	81.9	1.6	0	29	1.5	69.5	0	3.5	76.8	19.7	0	
Total %	1	1.1	2.1	0	6.7	33.4	0.7	0	3.8	0.2	9.1	0	1.5	32.2	8.3	0	



Pioneer Avenue/ East End Road and Lake Street

File Name : Lake St - Pioneer 16hr tm

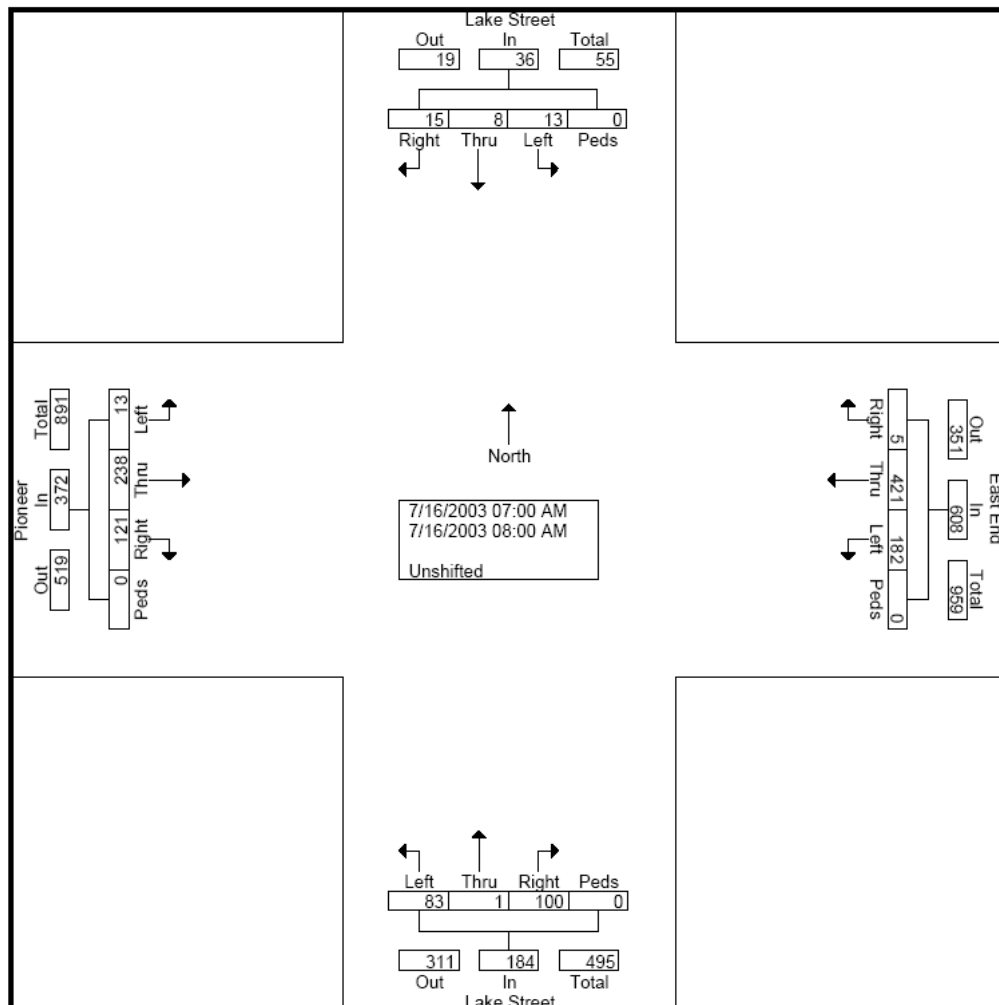
Site Code : 22222210

Start Date : 7/16/2003

Page No : 1

Groups Printed- Unshifted

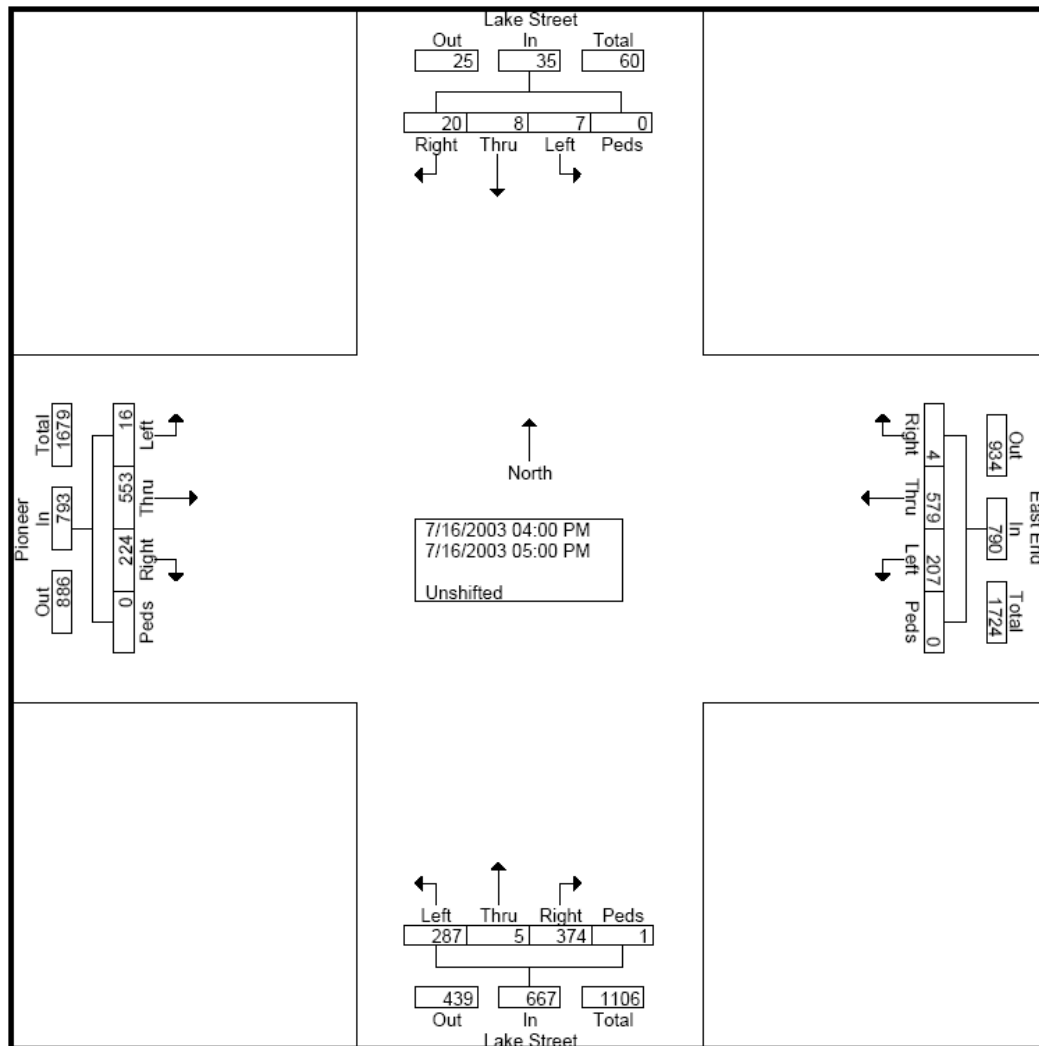
	Lake Street From North				East End From East				Lake Street From South				Pioneer From West				
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	10	6	6	0	83	162	1	0	22	0	36	0	8	96	61	0	491
08:00 AM	3	2	9	0	99	259	4	0	61	1	64	0	5	142	60	0	709
Grand Total	13	8	15	0	182	421	5	0	83	1	100	0	13	238	121	0	1200
Apprch %	36.1	22.2	41.7	0	29.9	69.2	0.8	0	45.1	0.5	54.3	0	3.5	64	32.5	0	
Total %	1.1	0.7	1.2	0	15.2	35.1	0.4	0	6.9	0.1	8.3	0	1.1	19.8	10.1	0	



File Name : Lake St - Pioneer 16hr tm
 Site Code : 22222210
 Start Date : 7/16/2003
 Page No : 1

Groups Printed- Unshifted

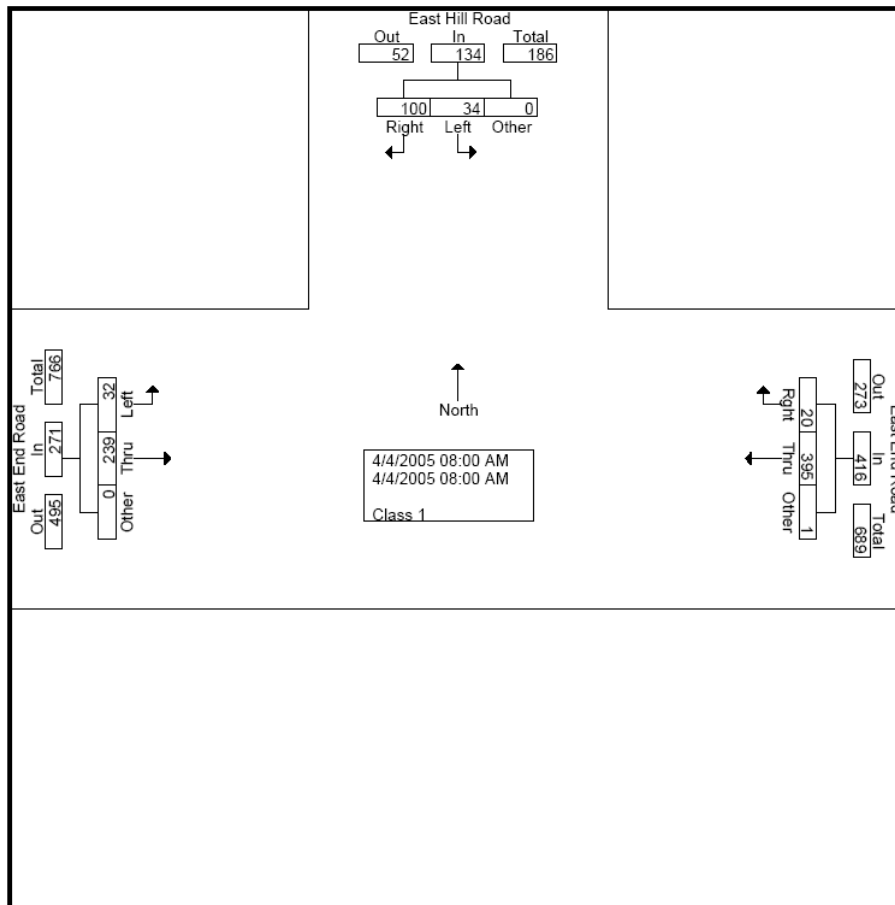
	Lake Street From North				East End From East				Lake Street From South				Pioneer From West				
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	0	2	3	0	116	297	4	0	152	3	184	1	10	272	122	0	1166
05:00 PM	7	6	17	0	91	282	0	0	135	2	190	0	6	281	102	0	1119
Grand Total	7	8	20	0	207	579	4	0	287	5	374	1	16	553	224	0	2285
Apprch %	20	22.9	57.1	0	26.2	73.3	0.5	0	43	0.7	56.1	0.1	2	69.7	28.2	0	
Total %	0.3	0.4	0.9	0	9.1	25.3	0.2	0	12.6	0.2	16.4	0	0.7	24.2	9.8	0	



East End Road and East Hill Road

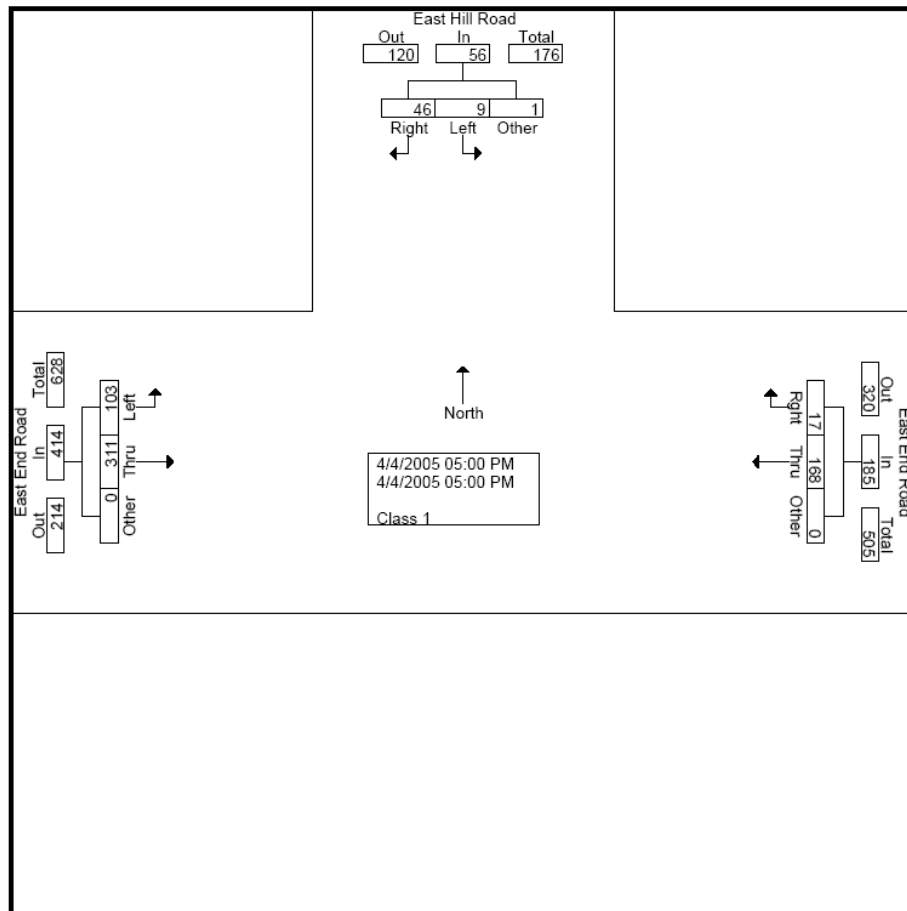
Groups Printed- Class 1

	East Hill Road From North			East End Road From East			East End Road From West			
Start Time	Left	Right	Other	Thru	Right	Other	Left	Thru	Other	Int. Total
08:00 AM	34	100	0	395	20	1	32	239	0	821
Grand Total	34	100	0	395	20	1	32	239	0	821
Apprch %	25.4	74.6	0	95	4.8	0.2	11.8	88.2	0	
Total %	4.1	12.2	0	48.1	2.4	0.1	3.9	29.1	0	



Groups Printed- Class 1

Start Time	East Hill Road From North			East End Road From East			East End Road From West			Int. Total
	Left	Right	Other	Thru	Right	Other	Left	Thru	Other	
05:00 PM	9	46	1	168	17	0	103	311	0	655
Grand Total	9	46	1	168	17	0	103	311	0	655
Apprch %	16.1	82.1	1.8	90.8	9.2	0	24.9	75.1	0	
Total %	1.4	7	0.2	25.6	2.6	0	15.7	47.5	0	



Pioneer Avenue and Heath Street-School Year

File Name : heath school

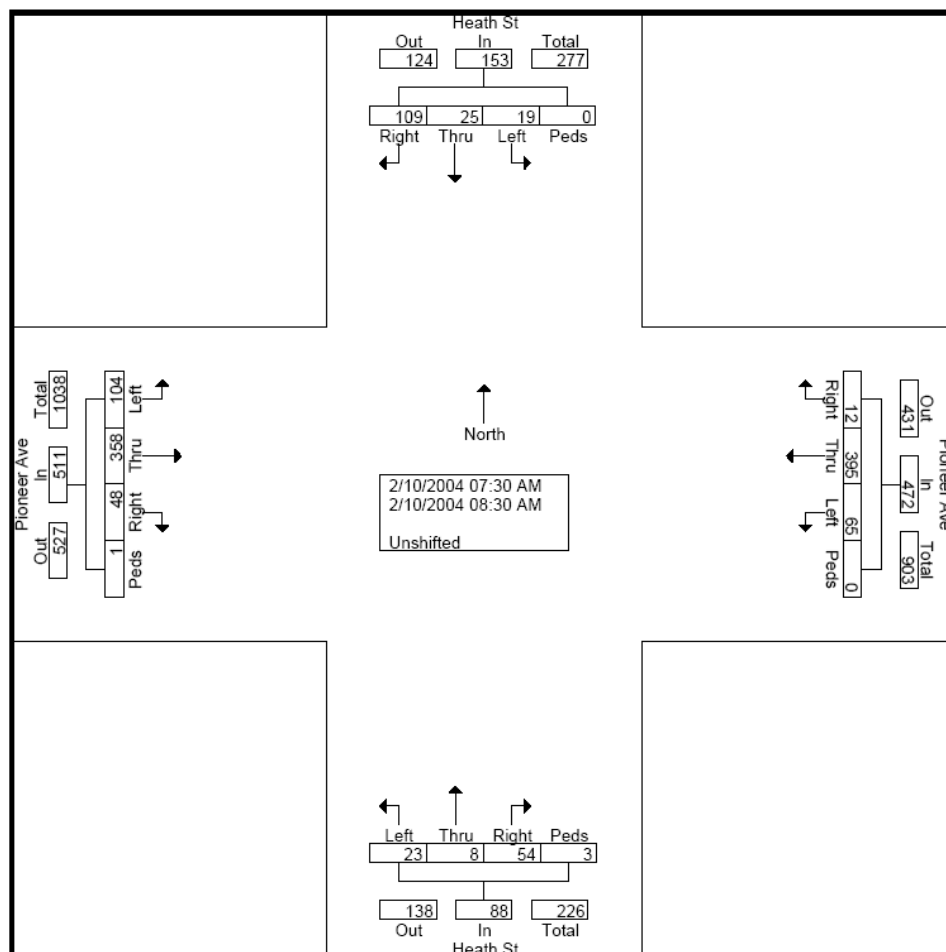
Site Code : 00000001

Start Date : 2/10/2004

Page No : 1

Groups Printed- Unshifted

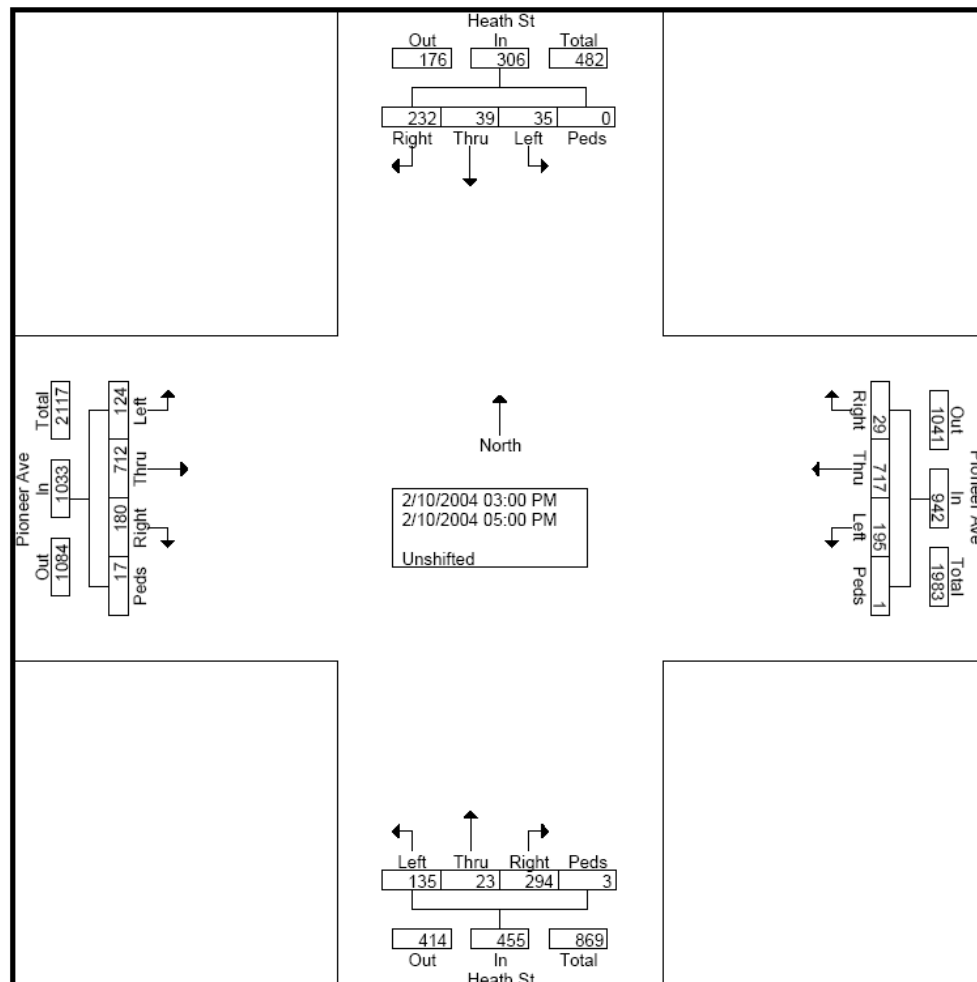
	Heath St From North				Pioneer Ave From East				Heath St From South				Pioneer Ave From West				Int. Total
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:30 AM	5	5	26	0	24	99	3	0	2	3	19	0	30	95	9	1	321
Total	5	5	26	0	24	99	3	0	2	3	19	0	30	95	9	1	321
08:00 AM	9	13	78	0	26	184	6	0	7	3	17	1	70	158	16	0	588
08:30 AM	5	7	5	0	15	112	3	0	14	2	18	2	4	105	23	0	315
Total	14	20	83	0	41	296	9	0	21	5	35	3	74	263	39	0	903
Grand Total	19	25	109	0	65	395	12	0	23	8	54	3	104	358	48	1	1224
Apprch %	12.4	16.3	71.2	0	13.8	83.7	2.5	0	26.1	9.1	61.4	3.4	20.4	70.1	9.4	0.2	
Total %	1.6	2	8.9	0	5.3	32.3	1	0	1.9	0.7	4.4	0.2	8.5	29.2	3.9	0.1	



File Name : heath school
 Site Code : 00000001
 Start Date : 2/10/2004
 Page No : 1

Groups Printed- Unshifted

	Heath St From North				Pioneer Ave From East				Heath St From South				Pioneer Ave From West				Int. Total
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
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	
03:00 PM	1	7	78	0	43	162	3	0	16	4	47	0	31	149	28	2	571
03:30 PM	9	17	51	0	28	138	6	0	30	7	56	2	26	133	44	3	550
Total	10	24	129	0	71	300	9	0	46	11	103	2	57	282	72	5	1121
04:00 PM	10	6	31	0	37	110	8	1	27	4	58	0	28	117	41	6	484
04:30 PM	7	2	29	0	39	147	9	0	32	2	50	1	15	141	34	6	514
Total	17	8	60	0	76	257	17	1	59	6	108	1	43	258	75	12	998
05:00 PM	8	7	43	0	48	160	3	0	30	6	83	0	24	172	33	0	617
Grand Total	35	39	232	0	195	717	29	1	135	23	294	3	124	712	180	17	2736
Apprch %	11.4	12.7	75.8	0	20.7	76.1	3.1	0.1	29.7	5.1	64.6	0.7	12	68.9	17.4	1.6	
Total %	1.3	1.4	8.5	0	7.1	26.2	1.1	0	4.9	0.8	10.7	0.1	4.5	26	6.6	0.6	



Pioneer Avenue/ East End Road and Lake Street-School Year

File Name : lake st school

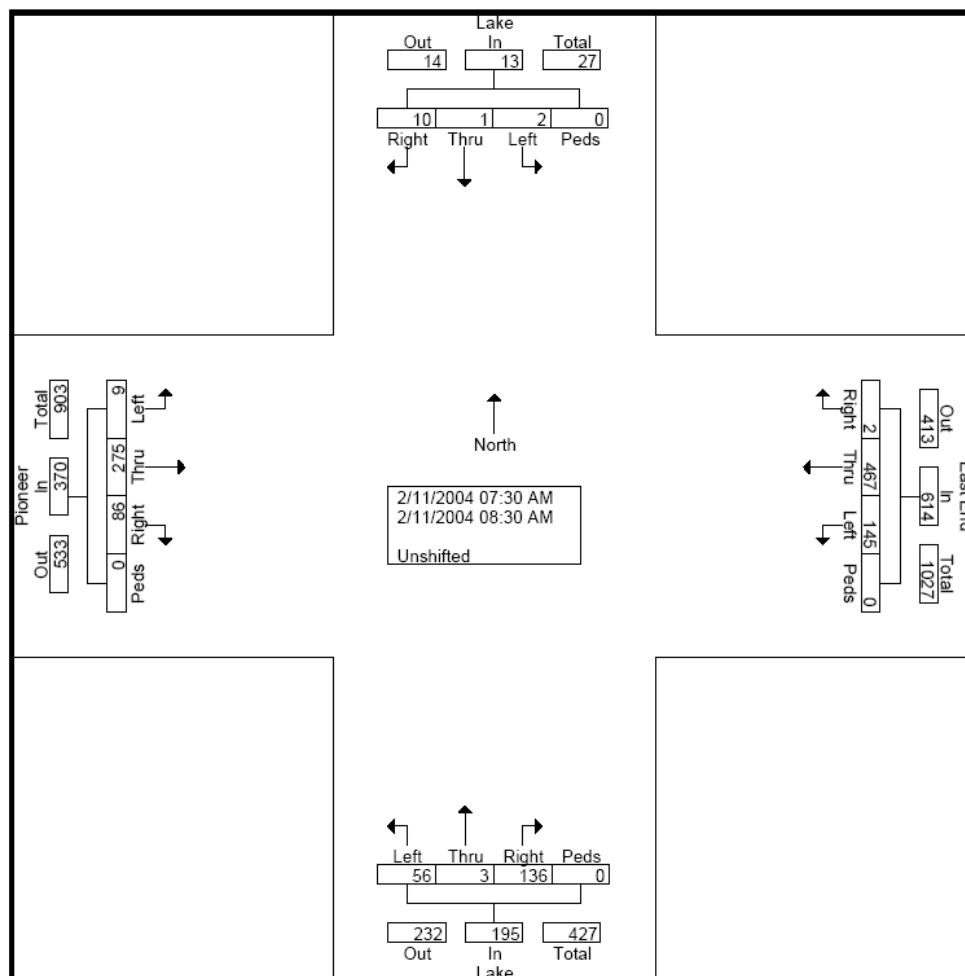
Site Code : 00000002

Start Date : 2/11/2004

Page No : 1

Groups Printed- Unshifted

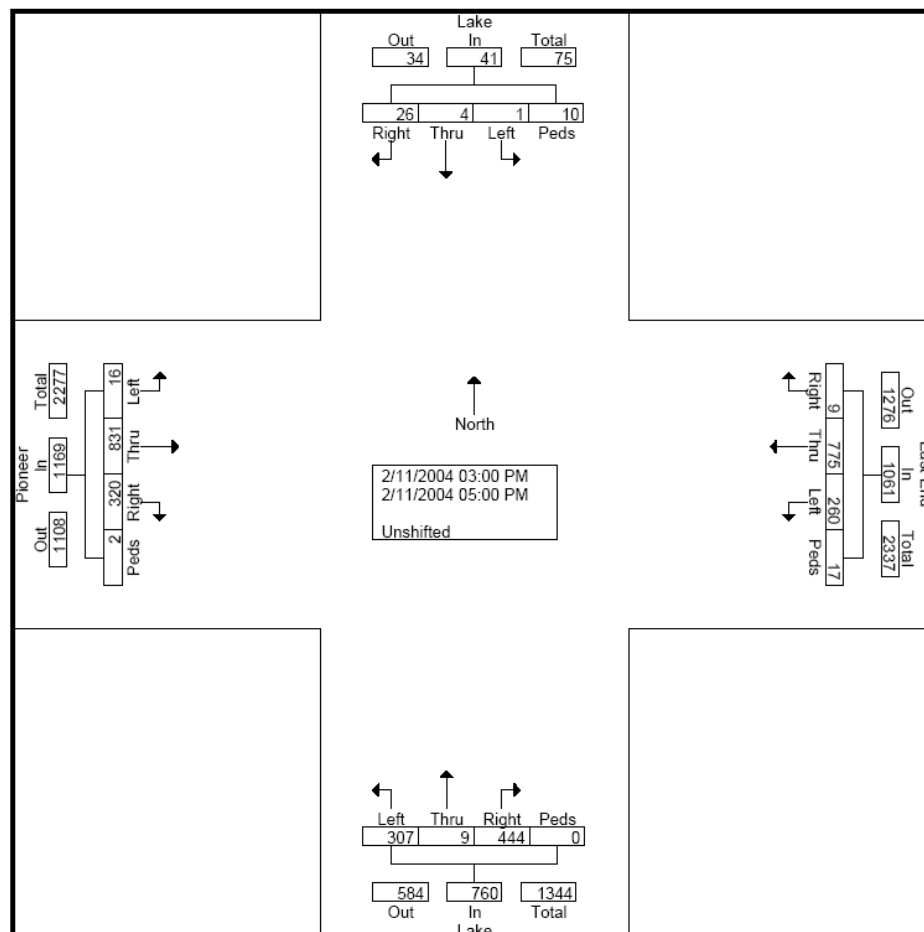
	Lake From North				East End From East				Lake From South				Pioneer From West				Int. Total
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:30 AM	1	1	5	0	52	125	1	0	8	2	31	0	1	72	26	0	325
Total	1	1	5	0	52	125	1	0	8	2	31	0	1	72	26	0	325
08:00 AM	1	0	3	0	46	193	1	0	16	0	63	0	6	120	23	0	472
08:30 AM	0	0	2	0	47	149	0	0	32	1	42	0	2	83	37	0	395
Total	1	0	5	0	93	342	1	0	48	1	105	0	8	203	60	0	867
Grand Total	2	1	10	0	145	467	2	0	56	3	136	0	9	275	86	0	1192
Apprch %	15.4	7.7	76.9	0	23.6	76.1	0.3	0	28.7	1.5	69.7	0	2.4	74.3	23.2	0	
Total %	0.2	0.1	0.8	0	12.2	39.2	0.2	0	4.7	0.3	11.4	0	0.8	23.1	7.2	0	



File Name : lake st school
 Site Code : 00000002
 Start Date : 2/11/2004
 Page No : 1

Groups Printed- Unshifted

	Lake From North				East End From East				Lake From South				Pioneer From West				Int. Total
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
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	
03:00 PM	0	0	4	3	67	216	4	1	46	1	89	0	3	130	65	0	629
03:30 PM	1	1	3	0	55	131	1	1	57	7	79	0	2	137	62	1	538
Total	1	1	7	3	122	347	5	2	103	8	168	0	5	267	127	1	1167
04:00 PM	0	0	12	6	38	107	0	7	47	0	65	0	3	167	50	1	503
04:30 PM	0	1	2	1	57	147	2	6	74	1	80	0	4	160	77	0	612
Total	0	1	14	7	95	254	2	13	121	1	145	0	7	327	127	1	1115
05:00 PM	0	2	5	0	43	174	2	2	83	0	131	0	4	237	66	0	749
Grand Total	1	4	26	10	260	775	9	17	307	9	444	0	16	831	320	2	3031
Apprch %	2.4	9.8	63.4	24.4	24.5	73	0.8	1.6	40.4	1.2	58.4	0	1.4	71.1	27.4	0.2	
Total %	0	0.1	0.9	0.3	8.6	25.6	0.3	0.6	10.1	0.3	14.6	0	0.5	27.4	10.6	0.1	

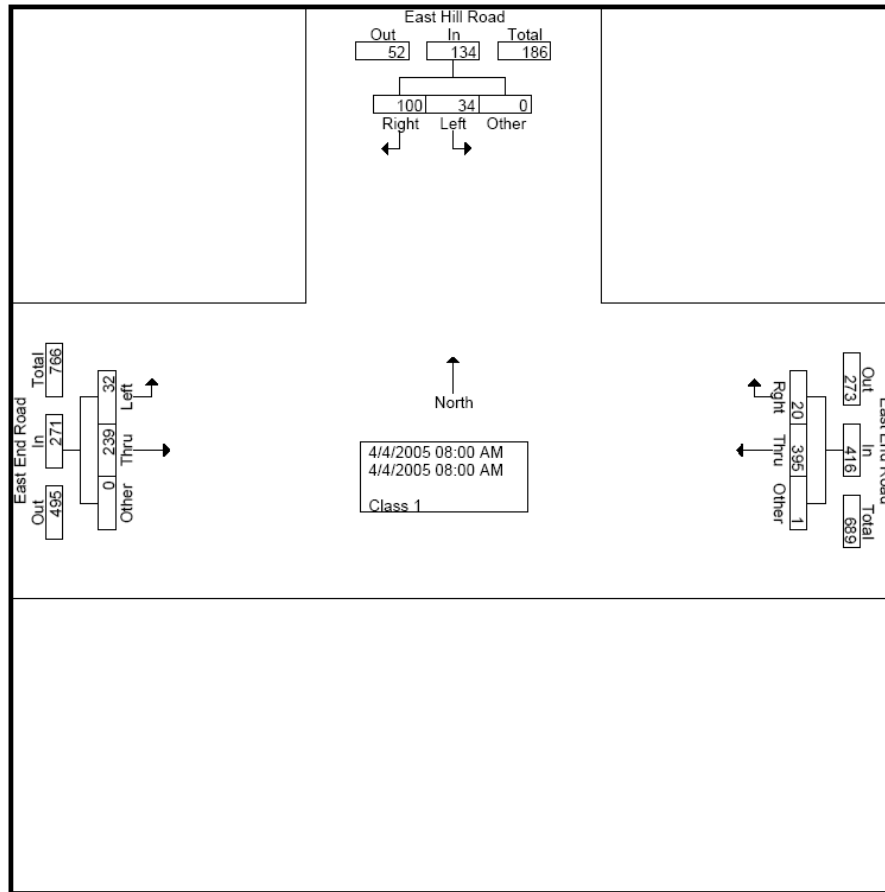


East End Road and East Hill Road

File Name : Not Named
 Site Code : 00000000
 Start Date : 4/4/2005
 Page No : 1

Groups Printed- Class 1

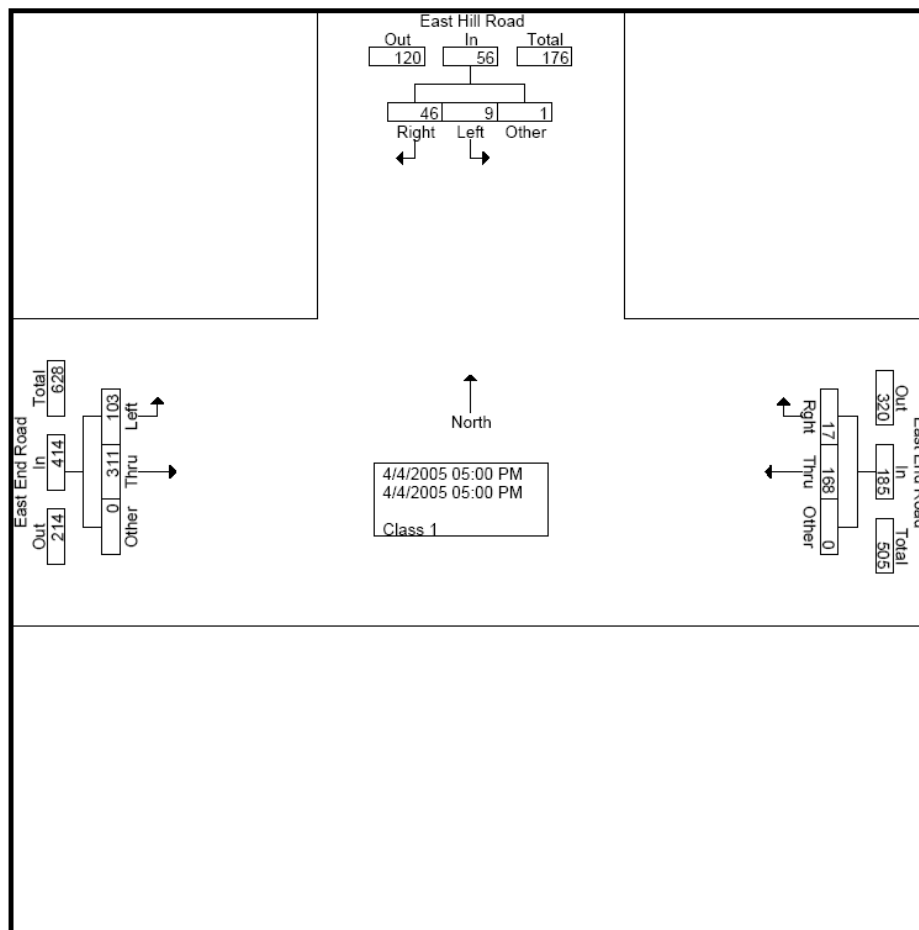
	East Hill Road From North			East End Road From East			East End Road From West			Int. Total
	Left	Right	Other	Thru	Right	Other	Left	Thru	Other	
Start Time										
08:00 AM	34	100	0	395	20	1	32	239	0	821
Grand Total	34	100	0	395	20	1	32	239	0	821
Apprch %	25.4	74.6	0	95	4.8	0.2	11.8	88.2	0	
Total %	4.1	12.2	0	48.1	2.4	0.1	3.9	29.1	0	



File Name : Not Named
 Site Code : 00000000
 Start Date : 4/4/2005
 Page No : 1

Groups Printed- Class 1

	East Hill Road From North			East End Road From East			East End Road From West			
Start Time	Left	Right	Other	Thru	Right	Other	Left	Thru	Other	Int. Total
05:00 PM	9	46	1	168	17	0	103	311	0	655
Grand Total	9	46	1	168	17	0	103	311	0	655
Apprch %	16.1	82.1	1.8	90.8	9.2	0	24.9	75.1	0	
Total %	1.4	7	0.2	25.6	2.6	0	15.7	47.5	0	



Appendix B
Future AADT (2011 and 2021) and
Intersection Turning Movements (2004 and 2021

Homer Streets Forecasts (Except Heath Street, see below)

Begin	End	Central Region AADT's 2003	2003 Summer Conversion Factor	Summer 2003	By Linear Extrapol- ation 2011	By Avg Annual Growth 2011	Est. Future ADT 2021	'03 to '21 Avg Annual Growth Rate	'03 to '21 Segment Weighted Growth	Growth Factor 2003- 2021
Sterling Highway CDS Route 110000										
Southwest Marine Hwy	FAA Road	4,055	2.15	8,714	10,373	10,210	12,446	2.00%	2.00%	1.43
FAA Road	Lake Street	6,250	1.38	8,638	10,281	10,120	12,336	2.00%		1.43
Lake Street	Main Street	9,393	1.38	12,981	15,452	15,209	18,540	2.00%		1.43
Main Street	Pioneer Avenue	8,838	1.38	12,214	14,539	14,311	17,445	2.00%		1.43
Pioneer Avenue	Crittenden Drive	9,370	1.38	12,949	15,414	15,172	18,495	2.00%		1.43
Crittenden Drive	West Hill Rd.	6,890	1.38	9,522	11,334	11,157	13,600	2.00%		1.43
West Hill Road	Rogers Loop	4,960	1.38	6,855	8,159	8,031	9,790	2.00%		1.43
Pioneer Avenue CDS Route 110100										
Lake Street	Main Street	6,871	1.16	7,977	9,496	9,347	11393	2.00%	2.00%	1.43
Main Street	Sterling Highway	4,580	1.16	5,317	6,329	6,230	7595	2.00%		1.43
Lake Street CDS Route 110150										
Sterling Highway	Pioneer Avenue	6,110	1.16	7,094	7,768	7,732	8612	1.08%	1.08%	1.21
Kachemak Bay Drive CDS Route 110200										
Sterling Highway	Lou's Storage	2,130	1.38	2,944	3,504	3,449	4204	2.00%	2.00%	1.43

Begin	End	Central Region AADT's 2003	2003 Summer Conversion Factor	Summer 2003	By Linear Extapol- ation 2011	By Avg Annual Growth 2011	Est. Future ADT 2021	'03 to '21 Avg Annual Growth Rate	'03 to '21 Segment Weighted Growth	Growth Factor 2003- 2021
East End Road CDS Route 110300										
Lake Street	East Hill Road	7,776	1.16	9,028	10,746	10,578	12894	2.00%	2.00%	1.43
East Hill Road	Kachemak Bay Drive	4,650	1.16	5,399	6,426	6,325	7711	2.00%		1.43
East Hill Road CDS Route 110305										
East End Road	Mission Road	1,590	1.16	1,846	2,197	2,163	2637	2.00%	2.00%	1.43
Bartlett Street CDS Route 110500										
Pioneer Avenue	Fairview Avenue	1,913	1.16	2,221	2,644	2,602	3172	2.00%	2.00%	1.4
Olson Lane CDS Route 110615										
Sterling Highway	Bunnell Avenue	680	1.38	940	1,119	1,101	1342	2.00%	2.00%	1.43
Main Street CDS Route 110625										
Bunnell Avenue	Sterling Highway	1,898	1.16	2,204	2,623	2,582	3147	2.00%	2.00%	1.43
Sterling Highway	Pioneer Avenue	2,640	1.16	3,065	3,648	3,591	4378	2.00%		1.43
West Hill Road CDS Route 110800										
Sterling Highway	Miller Loop	2,075	1.38	2,868	3,412	3,360	4092	2.00%	2.00%	1.43

Heath Street AADT Forecasts

Heath Street Location	Summer Peak Hour Link Volume (vph)	Day to week factor	AADT Peak Hour Factor	Estimated 2003	By Linear Extr. 2011	By Avg Annual Growth 2011	Est. Future ADT 2021	Avg Annual Growth Rate	Growth Factor '03-'21
North of Pioneer Ave	70	104.6%	8.8%	761	1,468	1,256	2,353	6.48%	3.09
South of Pioneer Ave	278	104.6%	8.8%	3,020	4,277	4,051	5,848	3.74%	1.94
North of Sterling Hwy	291	109.6%	8.8%	3,017	4,273	4,047	5,842	3.74%	1.94

2004 (existing) Summer PM Peak Turning Movements

Intersection	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
Sterling & West Hill Rd	0	0	0	85	0	9	10	145	0	0	348	192
Sterling & Pioneer Ave	0	1	4	77	4	187	109	252	0	1	394	92
Sterling & Main St	14	13	48	75	19	32	27	363	16	46	416	92
Sterling & Heath St.	10	4	8	38	2	129	82	366	10	5	455	36
Sterling & Lake St.	0	0	0	178	0	210	209	330	2	2	327	185
Sterling & Kachemak	0	326	42	144	231	7	5	6	1	57	1	138
Pioneer & Bartlett	0	0	0	90	0	67	82	167	0	0	200	58
Pioneer & Main St.	21	48	73	39	38	31	29	206	30	56	252	45
Pioneer & Heath St.	33	3	93	13	17	17	15	356	75	57	354	5
Pioneer & Lake St.	133	3	202	7	6	15	10	300	123	100	294	2
East End Rd & E Fairview	0	0	0	54	1	29	76	466	0	4	411	24
East End Rd & E Hill Rd	0	0	0	15	0	76	171	516	0	0	279	28

2004 (existing) Summer AM Peak Turning Movements

Intersection	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
Sterling & West Hill Rd	0	0	0	175	0	6	1	389	0	0	151	54
Sterling & Pioneer Ave	0	0	0	18	0	84	142	221	1	0	125	32
Sterling & Main St	4	8	20	54	11	2	6	217	17	15	136	34
Sterling & Heath St.	5	3	10	35	1	58	38	223	6	8	179	27
Sterling & Lake St.	0	0	0	103	0	96	140	199	0	0	137	88
Sterling & Kachemak	0	113	24	129	81	0	0	0	0	42	0	117
Pioneer & Bartlett	0	0	0	33	0	22	43	101	1	0	123	38
Pioneer & Main St.	7	25	30	31	39	13	23	149	16	28	163	28
Pioneer & Heath St.	17	9	47	3	7	11	22	203	49	64	228	10
Pioneer & Lake St.	69	1	69	3	3	8	6	140	72	95	263	3
East End Rd & E Fairview	0	0	0	23	0	24	64	335	1	0	488	87
East End Rd & E Hill Rd	2	0	0	56	0	166	53	396	0	2	655	33

2004 (existing) Winter PM Peak Turning Movements

Intersection	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
Pioneer & Heath St.	46	11	103	10	24	129	57	282	72	71	300	9
Pioneer & Lake St.	103	8	168	1	1	7	5	267	127	122	347	5
East End Rd & E Fairview	0	0	0	45	1	24	64	390	0	3	344	20

2004 (existing) Winter AM Peak Turning Movements

Intersection	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
Pioneer & Heath St.	17	3	42	14	18	102	95	280	33	46	295	11
Pioneer & Lake St.	35	2	109	1	1	8	7	212	63	109	339	1
East End Rd & E Fairview	0	0	0	21	0	22	61	258	1	0	406	86

2021 Summer PM Peak

Intersection	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
Sterling & West Hill Rd	0	0	0	122	0	13	15	207	0	0	497	275
Sterling & Pioneer Ave	0	2	6	109	6	267	155	360	0	2	563	131
Sterling & Main St	20	19	69	107	27	46	39	518	23	66	594	131
Sterling & Heath St.	14	12	5	96	3	210	170	470	14	7	610	92
Sterling & Lake St.	0	0	0	216	0	255	254	516	3	3	507	225
Sterling & Kachemak	0	465	61	205	330	10	7	8	2	81	2	197
Pioneer & Bartlett	14	17	26	123	11	90	117	239	5	5	286	83
Pioneer & Main St.	30	69	104	56	54	44	41	294	43	80	360	64
Pioneer & Heath St.	47	117	70	18	105	41	21	508	107	73	506	7
Pioneer & Lake St.	160	4	243	10	9	21	14	428	151	123	420	3
East End Rd & E Fairview	0	0	0	77	2	41	109	665	0	5	586	34
East End Rd & E Hill Rd	2	0	0	21	0	109	244	736	0	0	398	40

2021 Summer AM Peak

Intersection	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
Sterling & West Hill Rd	0	0	0	250	0	8	2	555	0	0	216	77
Sterling & Pioneer Ave	0	0	0	26	0	119	203	316	2	0	179	46
Sterling & Main St	6	11	29	77	16	3	9	310	24	21	194	49
Sterling & Heath St.	7	12	7	69	2	116	70	302	9	11	256	53
Sterling & Lake St.	0	0	0	125	0	117	170	314	0	0	215	107
Sterling & Kachemak	0	162	34	184	115	0	0	0	0	61	0	168
Pioneer & Bartlett	14	17	26	43	4	31	61	144	5	5	176	54
Pioneer & Main St.	10	36	43	44	56	19	33	213	23	40	233	40
Pioneer & Heath St.	26	65	39	9	55	28	31	290	70	87	326	14
Pioneer & Lake St.	84	1	84	4	4	11	9	200	87	115	376	4
East End Rd & E Fairview	0	0	0	32	0	34	92	479	2	0	697	124
East End Rd & E Hill Rd	2	0	0	81	0	237	76	566	0	2	935	47

2021 Winter PM Peak Turning Movements

Intersection	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
Pioneer & Heath St.	66	16	147	14	34	184	82	403	103	102	429	13
Pioneer & Lake St.	147	11	240	1	1	10	7	382	182	174	496	7
East End Rd & E Fairview	0	0	0	64	1	34	92	558	0	4	492	29

2021 Winter AM Peak Turning Movements

Intersection	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
Pioneer & Heath St.	24	4	60	20	26	146	136	400	47	66	422	16
Pioneer & Lake St.	50	3	156	1	1	11	10	303	90	156	485	1
East End Rd & E Fairview	0	0	0	30	0	31	87	369	1	0	581	123