

# **EXISTING COUNTS**

## **Appendix A**

City of Highland  
 N/S: SR-30 Southbound On/Off Ramps  
 E/W: 5th Street  
 Weather: Sunny

File Name : HI30S5AM  
 Site Code : 00314893  
 Start Date : 4/10/2008  
 Page No : 1

multiplied by 4

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	SR-30 Southbound Off Ramp Southbound				5th Street Westbound				SR-30 Southbound On Ramp Northbound				5th Street Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
07:00 AM	20	0	52	72	124	179	0	303	0	0	0	0	0	35	62	97	472
07:15 AM	23	1	63	87	141	199	0	340	0	0	0	0	0	39	70	109	536
07:30 AM	31	2	73	106	165	177	0	342	0	0	0	0	0	52	70	122	570
07:45 AM	36	2	76	114	157	218	0	375	0	0	0	0	0	55	64	119	608
Total	110	5	264	379	587	773	0	1360	0	0	0	0	0	181	266	447	2186
08:00 AM	31	0	29	60	114	170	0	284	0	0	0	0	0	40	61	101	445
08:15 AM	15	1	23	39	135	148	0	283	0	0	0	0	0	44	49	93	415
08:30 AM	14	0	20	34	123	144	0	267	0	0	0	0	0	68	68	136	437
08:45 AM	19	0	22	41	118	134	0	252	0	0	0	0	0	40	64	104	397
Total	79	1	94	174	490	596	0	1086	0	0	0	0	0	192	242	434	1694
Grand Total	189	6	358	553	1077	1369	0	2446	0	0	0	0	0	373	508	881	3880
Apprch %	34.2	1.1	64.7		44	56	0		0	0	0	0	0	42.3	57.7		
Total %	4.9	0.2	9.2	14.3	27.8	35.3	0	63	0	0	0	0	0	9.6	13.1	22.7	
Passenger Vehicles	181	6	337	524	1052	1297	0	2349	0	0	0	0	0	326	469	795	3668
% Passenger Vehicles	95.8	100	94.1	94.8	97.7	94.7	0	96	0	0	0	0	0	87.4	92.3	90.2	94.5
Large 2 Axle Vehicles	6	0	8	14	8	23	0	31	0	0	0	0	0	13	18	31	76
% Large 2 Axle Vehicles	3.2	0	2.2	2.5	0.7	1.7	0	1.3	0	0	0	0	0	3.5	3.5	3.5	2
3 Axle Vehicles	0	0	1	1	2	10	0	12	0	0	0	0	0	10	4	14	27
% 3 Axle Vehicles	0	0	0.3	0.2	0.2	0.7	0	0.5	0	0	0	0	0	2.7	0.8	1.6	0.7
4+ Axle Trucks	2	0	12	14	15	39	0	54	0	0	0	0	0	24	17	41	109
% 4+ Axle Trucks	1.1	0	3.4	2.5	1.4	2.8	0	2.2	0	0	0	0	0	6.4	3.3	4.7	2.8

Start Time	SR-30 Southbound Off Ramp Southbound				5th Street Westbound				SR-30 Southbound On Ramp Northbound				5th Street Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
07:00 AM	20	0	52	72	124	179	0	303	0	0	0	0	0	35	62	97	472
07:15 AM	23	1	63	87	141	199	0	340	0	0	0	0	0	39	70	109	536
07:30 AM	31	2	73	106	165	177	0	342	0	0	0	0	0	52	70	122	570
07:45 AM	36	2	76	114	157	218	0	375	0	0	0	0	0	55	64	119	608
Total Volume	110	5	264	379	587	773	0	1360	0	0	0	0	0	181	266	447	2186
% App. Total	29	1.3	69.7		43.2	56.8	0		0	0	0	0	0	40.5	59.5		
PHF	.764	.625	.868	.831	.889	.886	.000	.907	.000	.000	.000	.000	.000	.823	.950	.916	.899

Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 07:00 AM

City of Highland  
 N/S: SR-30 Southbound On/Off Ramps  
 E/W: 5th Street  
 Weather: Sunny

File Name : HI30S5PM  
 Site Code : 00314893  
 Start Date : 4/10/2008  
 Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

multiplied by 4

Start Time	SR-30 Southbound Off Ramp Southbound				5th Street Westbound				SR-30 Southbound On Ramp Northbound				5th Street Eastbound				Int. Total	
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total		
04:00 PM	74	0	41	115	66	89	0	155	0	0	0	0	0	133	91	0	224	494
04:15 PM	67	1	38	106	67	89	0	156	0	0	0	0	0	143	91	0	234	496
04:30 PM	64	1	32	97	60	125	0	185	0	0	0	0	0	161	102	0	263	545
04:45 PM	80	3	46	129	59	112	0	171	0	0	0	0	0	177	111	0	288	588
Total	285	5	157	447	252	415	0	667	0	0	0	0	0	614	395	0	1009	2123
05:00 PM	79	0	31	110	75	99	0	174	0	0	0	0	0	205	132	0	337	621
05:15 PM	69	1	39	109	60	106	0	166	0	0	0	0	0	188	108	0	296	571
05:30 PM	53	0	11	64	66	110	0	176	0	0	0	0	0	146	105	0	251	491
05:45 PM	48	0	20	68	75	83	0	158	0	0	0	0	0	157	93	0	250	476
Total	249	1	101	351	276	398	0	674	0	0	0	0	0	696	438	0	1134	2159
Grand Total	534	6	258	798	528	813	0	1341	0	0	0	0	0	1310	833	0	2143	4282
Apprch %	66.9	0.8	32.3		39.4	60.6	0		0	0	0	0	0	61.1	38.9	0		
Total %	12.5	0.1	6	18.6	12.3	19	0	31.3	0	0	0	0	0	30.6	19.5	0	50	
Passenger Vehicles	529	6	233	768	524	778	0	1302	0	0	0	0	0	1295	806	0	2101	4171
% Passenger Vehicles	99.1	100	90.3	96.2	99.2	95.7	0	97.1	0	0	0	0	0	98.9	96.8	0	98	97.4
Large 2 Axle Vehicles	4	0	3	7	0	15	0	15	0	0	0	0	0	8	9	0	17	39
% Large 2 Axle Vehicles	0.7	0	1.2	0.9	0	1.8	0	1.1	0	0	0	0	0	0.6	1.1	0	0.8	0.9
3 Axle Vehicles	0	0	3	3	0	5	0	5	0	0	0	0	0	1	1	0	2	10
% 3 Axle Vehicles	0	0	1.2	0.4	0	0.6	0	0.4	0	0	0	0	0	0.1	0.1	0	0.1	0.2
4+ Axle Trucks	1	0	19	20	4	15	0	19	0	0	0	0	0	6	17	0	23	62
% 4+ Axle Trucks	0.2	0	7.4	2.5	0.8	1.8	0	1.4	0	0	0	0	0	0.5	2	0	1.1	1.4

Start Time	SR-30 Southbound Off Ramp Southbound				5th Street Westbound				SR-30 Southbound On Ramp Northbound				5th Street Eastbound				Int. Total	
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total		
04:30 PM	64	1	32	97	60	125	0	185	0	0	0	0	0	161	102	0	263	545
04:45 PM	80	3	46	129	59	112	0	171	0	0	0	0	0	177	111	0	288	588
05:00 PM	79	0	31	110	75	99	0	174	0	0	0	0	0	205	132	0	337	621
05:15 PM	69	1	39	109	60	106	0	166	0	0	0	0	0	188	108	0	296	571
Total Volume	292	5	148	445	254	442	0	696	0	0	0	0	0	731	453	0	1184	2325
% App. Total	65.6	1.1	33.3		36.5	63.5	0		0	0	0	0	0	61.7	38.3	0		
PHF	.913	.417	.804	.862	.847	.884	.000	.941	.000	.000	.000	.000	.000	.891	.858	.000	.878	.936

City of Highland  
 N/S: SR-30 Northbound On/Off Ramps  
 E/W: Greenspot Road  
 Weather: Sunny

File Name : HI30NGRAM  
 Site Code : 00314833  
 Start Date : 4/10/2008  
 Page No : 1

multiplied by 4

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	SR-30 Northbound On Ramp Southbound				Greenspot Road Westbound				SR-30 Northbound Off Ramp Northbound				Greenspot Road Eastbound				Int./Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
07:00 AM	0	0	0	0	0	239	60	299	81	2	34	117	16	26	0	42	458
07:15 AM	0	0	0	0	0	302	66	368	83	1	47	131	20	47	0	67	566
07:30 AM	0	0	0	0	0	277	55	332	106	0	56	162	15	83	0	98	592
07:45 AM	0	0	0	0	0	282	61	343	83	1	44	128	17	57	0	74	545
Total	0	0	0	0	0	1100	242	1342	353	4	181	538	68	213	0	281	2161
08:00 AM	0	0	0	0	0	190	56	246	73	1	37	111	17	54	0	71	428
08:15 AM	0	0	0	0	0	218	67	285	66	0	55	121	14	54	0	68	474
08:30 AM	0	0	0	0	0	212	53	265	69	0	39	108	21	49	0	70	443
08:45 AM	0	0	0	0	0	152	38	190	66	2	39	107	10	48	0	58	355
Total	0	0	0	0	0	772	214	986	274	3	170	447	62	205	0	267	1700
Grand Total	0	0	0	0	0	1872	456	2328	627	7	351	985	130	418	0	548	3861
Apprch %	0	0	0	0	0	80.4	19.6		63.7	0.7	35.6		23.7	76.3	0		
Total %	0	0	0	0	0	48.5	11.8	60.3	16.2	0.2	9.1	25.5	3.4	10.8	0	14.2	
Passenger Vehicles	0	0	0	0	0	1832	450	2282	561	7	315	883	94	393	0	487	3652
% Passenger Vehicles	0	0	0	0	0	97.9	98.7	98	89.5	100	89.7	89.6	72.3	94	0	88.9	94.6
Large 2 Axle Vehicles	0	0	0	0	0	16	5	21	23	0	12	35	10	12	0	22	78
% Large 2 Axle Vehicles	0	0	0	0	0	0.9	1.1	0.9	3.7	0	3.4	3.6	7.7	2.9	0	4	2
3 Axle Vehicles	0	0	0	0	0	1	1	2	8	0	5	13	7	4	0	11	26
% 3 Axle Vehicles	0	0	0	0	0	0.1	0.2	0.1	1.3	0	1.4	1.3	5.4	1	0	2	0.7
4+ Axle Trucks	0	0	0	0	0	23	0	23	35	0	19	54	19	9	0	28	105
% 4+ Axle Trucks	0	0	0	0	0	1.2	0	1	5.6	0	5.4	5.5	14.6	2.2	0	5.1	2.7

Start Time	SR-30 Northbound On Ramp Southbound				Greenspot Road Westbound				SR-30 Northbound Off Ramp Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
07:00 AM	0	0	0	0	0	239	60	299	81	2	34	117	16	26	0	42	458
07:15 AM	0	0	0	0	0	<b>302</b>	<b>66</b>	<b>368</b>	83	1	47	131	<b>20</b>	47	0	67	566
07:30 AM	0	0	0	0	0	277	55	332	<b>106</b>	0	<b>56</b>	<b>162</b>	15	<b>83</b>	0	<b>98</b>	<b>592</b>
07:45 AM	0	0	0	0	0	282	61	343	83	1	44	128	17	57	0	74	545
Total Volume	0	0	0	0	0	1100	242	1342	353	4	181	538	68	213	0	281	2161
% App. Total	0	0	0	0	0	82	18		65.6	0.7	33.6		24.2	75.8	0		
PHF	.000	.000	.000	.000	.000	.911	.917	.912	.833	.500	.808	.830	.850	.642	.000	.717	.913

City of Highland  
 N/S: SR-30 Northbound On/Off Ramps  
 E/W: Greenspot Road  
 Weather: Sunny

File Name : HI30NGRPM  
 Site Code : 00314833  
 Start Date : 4/10/2008  
 Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

multiplied by 4

Start Time	SR-30 Northbound On Ramp Southbound				Greenspot Road Westbound				SR-30 Northbound Off Ramp Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
04:00 PM	0	0	0	0	0	98	19	117	68	0	107	175	43	161	0	204	496
04:15 PM	0	0	0	0	0	96	22	118	58	1	97	156	57	159	0	216	490
04:30 PM	0	0	0	0	0	103	27	130	72	1	91	164	44	188	0	232	526
04:45 PM	0	0	0	0	0	110	26	136	65	1	118	184	55	198	0	253	573
Total	0	0	0	0	0	407	94	501	263	3	413	679	199	706	0	905	2085
05:00 PM	0	0	0	0	0	117	48	165	62	2	123	187	52	238	0	290	642
05:15 PM	0	0	0	0	0	101	23	124	58	0	124	182	46	213	0	259	565
05:30 PM	0	0	0	0	0	126	33	159	55	0	114	169	29	174	0	203	531
05:45 PM	0	0	0	0	0	105	39	144	53	0	137	190	33	174	0	207	541
Total	0	0	0	0	0	449	143	592	228	2	498	728	160	799	0	959	2279
Grand Total	0	0	0	0	0	856	237	1093	491	5	911	1407	359	1505	0	1864	4364
Apprch %	0	0	0	0	0	78.3	21.7		34.9	0.4	64.7		19.3	80.7	0		
Total %	0	0	0	0	0	19.6	5.4	25	11.3	0.1	20.9	32.2	8.2	34.5	0	42.7	
Passenger Vehicles	0	0	0	0	0	851	235	1086	457	5	901	1363	345	1497	0	1842	4291
% Passenger Vehicles	0	0	0	0	0	99.4	99.2	99.4	93.1	100	98.9	96.9	96.1	99.5	0	98.8	98.3
Large 2 Axle Vehicles	0	0	0	0	0	1	2	3	18	0	8	26	8	6	0	14	43
% Large 2 Axle Vehicles	0	0	0	0	0	0.1	0.8	0.3	3.7	0	0.9	1.8	2.2	0.4	0	0.8	1
3 Axle Vehicles	0	0	0	0	0	0	0	0	5	0	0	5	0	1	0	1	6
% 3 Axle Vehicles	0	0	0	0	0	0	0	0	1	0	0	0.4	0	0.1	0	0.1	0.1
4+ Axle Trucks	0	0	0	0	0	4	0	4	11	0	2	13	6	1	0	7	24
% 4+ Axle Trucks	0	0	0	0	0	0.5	0	0.4	2.2	0	0.2	0.9	1.7	0.1	0	0.4	0.5

Start Time	SR-30 Northbound On Ramp Southbound				Greenspot Road Westbound				SR-30 Northbound Off Ramp Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
04:45 PM	0	0	0	0	0	110	26	136	65	1	118	184	55	198	0	253	573
05:00 PM	0	0	0	0	0	117	48	165	62	2	123	187	52	238	0	290	642
05:15 PM	0	0	0	0	0	101	23	124	58	0	124	182	46	213	0	259	565
05:30 PM	0	0	0	0	0	126	33	159	55	0	114	169	29	174	0	203	531
Total Volume	0	0	0	0	0	454	130	584	240	3	479	722	182	823	0	1005	2311
% App. Total	0	0	0	0	0	77.7	22.3		33.2	0.4	66.3		18.1	81.9	0		
PHF	.000	.000	.000	.000	.000	.901	.677	.885	.923	.375	.966	.965	.827	.864	.000	.866	.900

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 04:45 PM

City of Highland  
 N/S: Boulder Avenue  
 E/W: Greenspot Road  
 Weather: Sunny

File Name : HIBOGRAM  
 Site Code : 00314843  
 Start Date : 4/9/2008  
 Page No : 1

multiplied by 4

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	Boulder Avenue Southbound				Greenspot Road Westbound				Boulder Avenue Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
07:00 AM	4	33	0	37	55	270	9	334	5	14	28	47	1	51	18	70	488
07:15 AM	8	64	0	72	91	296	13	400	11	24	31	66	0	60	22	82	620
07:30 AM	4	59	0	63	83	275	15	373	10	33	43	86	2	67	31	100	622
07:45 AM	12	44	0	56	81	283	21	385	17	40	43	100	0	57	27	84	625
Total	28	200	0	228	310	1124	58	1492	43	111	145	299	3	235	98	336	2355
08:00 AM	5	27	0	32	48	199	17	264	16	34	38	88	0	86	19	105	489
08:15 AM	5	21	0	26	30	241	32	303	17	22	26	65	0	88	12	100	494
08:30 AM	7	20	0	27	37	247	41	325	12	24	21	57	1	64	9	74	483
08:45 AM	11	18	0	29	31	190	16	237	11	23	21	55	0	63	13	76	397
Total	28	86	0	114	146	877	106	1129	56	103	106	265	1	301	53	355	1863
Grand Total	56	286	0	342	456	2001	164	2621	99	214	251	564	4	536	151	691	4218
Apprch %	16.4	83.6	0		17.4	76.3	6.3		17.6	37.9	44.5		0.6	77.6	21.9		
Total %	1.3	6.8	0	8.1	10.8	47.4	3.9	62.1	2.3	5.1	6	13.4	0.1	12.7	3.6	16.4	
Passenger Vehicles	54	278	0	332	444	1979	164	2587	88	208	233	529	3	514	128	645	4093
% Passenger Vehicles	96.4	97.2	0	97.1	97.4	98.9	100	98.7	88.9	97.2	92.8	93.8	75	95.9	84.8	93.3	97
Large 2 Axle Vehicles	2	6	0	8	10	9	0	19	0	5	13	18	0	12	4	16	61
% Large 2 Axle Vehicles	3.6	2.1	0	2.3	2.2	0.4	0	0.7	0	2.3	5.2	3.2	0	2.2	2.6	2.3	1.4
3 Axle Vehicles	0	2	0	2	2	3	0	5	1	0	1	2	1	3	0	4	13
% 3 Axle Vehicles	0	0.7	0	0.6	0.4	0.1	0	0.2	1	0	0.4	0.4	25	0.6	0	0.6	0.3
4+ Axle Trucks	0	0	0	0	0	10	0	10	10	1	4	15	0	7	19	26	51
% 4+ Axle Trucks	0	0	0	0	0	0.5	0	0.4	10.1	0.5	1.6	2.7	0	1.3	12.6	3.8	1.2

Start Time	Boulder Avenue Southbound				Greenspot Road Westbound				Boulder Avenue Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	8	<b>64</b>	0	<b>72</b>	<b>91</b>	<b>296</b>	13	<b>400</b>	11	24	31	66	0	60	22	82	620
07:30 AM	4	59	0	63	83	275	15	373	10	33	<b>43</b>	86	<b>2</b>	67	<b>31</b>	100	622
07:45 AM	<b>12</b>	44	0	56	81	283	<b>21</b>	385	<b>17</b>	<b>40</b>	43	<b>100</b>	0	57	27	84	<b>625</b>
08:00 AM	5	27	0	32	48	199	17	264	16	34	38	88	0	<b>86</b>	19	<b>105</b>	489
Total Volume	29	194	0	223	303	1053	66	1422	54	131	155	340	2	270	99	371	2356
% App. Total	13	87	0		21.3	74.1	4.6		15.9	38.5	45.6		0.5	72.8	26.7		
PHF	.604	.758	.000	.774	.832	.889	.786	.889	.794	.819	.901	.850	.250	.785	.798	.883	.942

City of Highland  
N/S: Boulder Avenue  
E/W: Greenspot Road  
Weather: Sunny

File Name : HIBOGRPM  
Site Code : 00314843  
Start Date : 4/9/2008  
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

multiplied by 4

Start Time	Boulder Avenue Southbound				Greenspot Road Westbound				Boulder Avenue Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
04:00 PM	18	39	2	59	39	100	13	152	17	48	63	128	5	163	21	189	528
04:15 PM	15	41	1	57	49	89	8	146	17	46	61	124	6	192	26	224	551
04:30 PM	19	48	1	68	48	104	11	163	18	54	52	124	2	168	42	212	567
04:45 PM	16	41	1	58	47	81	21	149	21	54	71	146	5	230	44	279	632
<b>Total</b>	<b>68</b>	<b>169</b>	<b>5</b>	<b>242</b>	<b>183</b>	<b>374</b>	<b>53</b>	<b>610</b>	<b>73</b>	<b>202</b>	<b>247</b>	<b>522</b>	<b>18</b>	<b>753</b>	<b>133</b>	<b>904</b>	<b>2278</b>
05:00 PM	30	54	3	87	40	95	5	140	27	54	59	140	4	221	34	259	626
05:15 PM	24	49	4	77	48	104	14	166	18	88	90	196	5	226	42	273	712
05:30 PM	26	49	1	76	41	105	20	166	24	73	85	182	3	222	43	268	692
05:45 PM	16	39	0	55	52	114	11	177	21	55	75	151	1	205	26	232	615
<b>Total</b>	<b>96</b>	<b>191</b>	<b>8</b>	<b>295</b>	<b>181</b>	<b>418</b>	<b>50</b>	<b>649</b>	<b>90</b>	<b>270</b>	<b>309</b>	<b>669</b>	<b>13</b>	<b>874</b>	<b>145</b>	<b>1032</b>	<b>2645</b>
<b>Grand Total</b>	<b>164</b>	<b>360</b>	<b>13</b>	<b>537</b>	<b>364</b>	<b>792</b>	<b>103</b>	<b>1259</b>	<b>163</b>	<b>472</b>	<b>556</b>	<b>1191</b>	<b>31</b>	<b>1627</b>	<b>278</b>	<b>1936</b>	<b>4923</b>
<b>Apprch %</b>	30.5	67	2.4		28.9	62.9	8.2		13.7	39.6	46.7		1.6	84	14.4		
<b>Total %</b>	3.3	7.3	0.3	10.9	7.4	16.1	2.1	25.6	3.3	9.6	11.3	24.2	0.6	33	5.6	39.3	
Passenger Vehicles	163	359	13	535	358	787	102	1247	159	472	547	1178	31	1613	276	1920	4880
% Passenger Vehicles	99.4	99.7	100	99.6	98.4	99.4	99	99	97.5	100	98.4	98.9	100	99.1	99.3	99.2	99.1
Large 2 Axle Vehicles	1	1	0	2	6	5	0	11	1	0	7	8	0	12	0	12	33
% Large 2 Axle Vehicles	0.6	0.3	0	0.4	1.6	0.6	0	0.9	0.6	0	1.3	0.7	0	0.7	0	0.6	0.7
3 Axle Vehicles	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	2
% 3 Axle Vehicles	0	0	0	0	0	0	0	0	0	0	0.2	0.1	0	0.1	0	0.1	0
4+ Axle Trucks	0	0	0	0	0	0	1	1	3	0	1	4	0	1	2	3	8
% 4+ Axle Trucks	0	0	0	0	0	0	1	0.1	1.8	0	0.2	0.3	0	0.1	0.7	0.2	0.2

Start Time	Boulder Avenue Southbound				Greenspot Road Westbound				Boulder Avenue Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	16	41	1	58	47	81	21	149	21	54	71	146	5	230	44	279	632
05:00 PM	30	54	3	87	40	95	5	140	27	54	59	140	4	221	34	259	626
05:15 PM	24	49	4	77	48	104	14	166	18	88	90	196	5	226	42	273	712
05:30 PM	26	49	1	76	41	105	20	166	24	73	85	182	3	222	43	268	692
<b>Total Volume</b>	<b>96</b>	<b>193</b>	<b>9</b>	<b>298</b>	<b>176</b>	<b>385</b>	<b>60</b>	<b>621</b>	<b>90</b>	<b>269</b>	<b>305</b>	<b>664</b>	<b>17</b>	<b>899</b>	<b>163</b>	<b>1079</b>	<b>2662</b>
<b>% App. Total</b>	<b>32.2</b>	<b>64.8</b>	<b>3</b>		<b>28.3</b>	<b>62</b>	<b>9.7</b>		<b>13.6</b>	<b>40.5</b>	<b>45.9</b>		<b>1.6</b>	<b>83.3</b>	<b>15.1</b>		
PHF	.800	.894	.563	.856	.917	.917	.714	.935	.833	.764	.847	.847	.850	.977	.926	.967	.935

City of Highland  
 N/S: Orange Street  
 E/W: Greenspot Road  
 Weather: Sunny

File Name : HIORGRAM  
 Site Code : 00314898  
 Start Date : 4/9/2008  
 Page No : 1

Groups Printed- Total Volume

multiplied by 4

Start Time	Orange Street Southbound				Greenspot Road Westbound				Orange Street Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
07:00 AM	1	0	29	30	0	323	2	325	3	0	0	3	11	74	1	86	444
07:15 AM	3	0	39	42	1	375	5	381	1	0	1	2	30	84	1	115	540
07:30 AM	14	0	83	97	0	357	36	393	0	0	0	0	33	88	0	121	611
07:45 AM	23	1	78	102	2	358	19	379	1	0	0	1	21	94	0	115	597
Total	41	1	229	271	3	1413	62	1478	5	0	1	6	95	340	2	437	2192
08:00 AM	23	0	52	75	0	225	34	259	2	0	2	4	28	108	1	137	475
08:15 AM	55	0	108	163	0	252	58	310	0	0	0	0	32	91	0	123	596
08:30 AM	67	0	153	220	0	214	43	257	0	1	0	1	25	83	0	108	586
08:45 AM	5	0	34	39	1	248	0	249	3	0	0	3	10	81	1	92	383
Total	150	0	347	497	1	939	135	1075	5	1	2	8	95	363	2	460	2040
Grand Total	191	1	576	768	4	2352	197	2553	10	1	3	14	190	703	4	897	4232
Apprch %	24.9	0.1	75		0.2	92.1	7.7		71.4	7.1	21.4		21.2	78.4	0.4		
Total %	4.5	0	13.6	18.1	0.1	55.6	4.7	60.3	0.2	0	0.1	0.3	4.5	16.6	0.1	21.2	

Start Time	Orange Street Southbound				Greenspot Road Westbound				Orange Street Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	14	0	83	97	0	357	36	<b>393</b>	0	0	0	0	33	88	0	121	<b>611</b>
07:45 AM	23	1	78	102	2	358	19	379	1	0	0	1	21	94	0	115	597
08:00 AM	23	0	52	75	0	225	34	259	2	0	2	4	28	<b>108</b>	1	<b>137</b>	475
08:15 AM	<b>55</b>	0	<b>108</b>	<b>163</b>	0	252	<b>58</b>	310	0	0	0	0	32	91	0	123	596
Total Volume	115	1	321	437	2	1192	147	1341	3	0	2	5	114	381	1	496	2279
% App. Total	26.3	0.2	73.5		0.1	88.9	11		60	0	40		23	76.8	0.2		
PHF	.523	.250	.743	.670	.250	.832	.634	.853	.375	.000	.250	.313	.864	.882	.250	.905	.932

City of Highland  
 N/S: Orange Street  
 E/W: Greenspot Road  
 Weather: Sunny

File Name : HIORGRPM  
 Site Code : 00314898  
 Start Date : 4/9/2008  
 Page No : 1

Groups Printed- Total Volume

multiplied by 4

Start Time	Orange Street Southbound				Greenspot Road Westbound				Orange Street Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
04:00 PM	18	0	27	45	0	120	7	127	1	0	0	1	15	223	2	240	413
04:15 PM	2	0	18	20	1	133	9	143	1	0	1	2	19	242	4	265	430
04:30 PM	5	0	12	17	0	151	1	152	3	0	0	3	17	248	1	266	438
04:45 PM	0	0	10	10	1	155	5	161	3	0	1	4	24	308	1	333	508
Total	25	0	67	92	2	559	22	583	8	0	2	10	75	1021	8	1104	1789
05:00 PM	7	0	10	17	0	132	0	132	0	0	1	1	18	321	1	340	490
05:15 PM	2	1	12	15	0	174	3	177	1	0	0	1	24	363	3	390	583
05:30 PM	7	0	27	34	1	175	6	182	2	0	0	2	25	333	2	360	578
05:45 PM	4	0	17	21	1	166	7	174	1	1	0	2	24	313	4	341	538
Total	20	1	66	87	2	647	16	665	4	1	1	6	91	1330	10	1431	2189
Grand Total	45	1	133	179	4	1206	38	1248	12	1	3	16	166	2351	18	2535	3978
Apprch %	25.1	0.6	74.3		0.3	96.6	3		75	6.2	18.8		6.5	92.7	0.7		
Total %	1.1	0	3.3	4.5	0.1	30.3	1	31.4	0.3	0	0.1	0.4	4.2	59.1	0.5	63.7	

Start Time	Orange Street Southbound				Greenspot Road Westbound				Orange Street Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	7	0	10	17	0	132	0	132	0	0	1	1	18	321	1	340	490
05:15 PM	2	1	12	15	0	174	3	177	1	0	0	1	24	363	3	390	583
05:30 PM	7	0	27	34	1	175	6	182	2	0	0	2	25	333	2	360	578
05:45 PM	4	0	17	21	1	166	7	174	1	1	0	2	24	313	4	341	538
Total Volume	20	1	66	87	2	647	16	665	4	1	1	6	91	1330	10	1431	2189
% App. Total	23	1.1	75.9		0.3	97.3	2.4		66.7	16.7	16.7		6.4	92.9	0.7		
PHF	.714	.250	.611	.640	.500	.924	.571	.913	.500	.250	.250	.750	.910	.916	.625	.917	.939

City of Highland  
 N/S: Church Street  
 E/W: Greenspot Road  
 Weather: Sunny

File Name : HICHGRAM  
 Site Code : 00314859  
 Start Date : 4/9/2008  
 Page No : 1

Groups Printed- Total Volume

multiplied by 4

Start Time	Church Street Southbound				Greenspot Road Westbound				Church Street Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
07:00 AM	17	1	63	81	0	169	10	179	10	2	2	14	19	57	1	77	351
07:15 AM	16	2	57	75	1	243	8	252	7	1	0	8	13	65	2	80	415
07:30 AM	18	2	62	82	0	227	22	249	9	1	0	10	28	69	0	97	438
07:45 AM	20	2	57	79	16	179	56	251	9	7	2	18	30	67	1	98	446
Total	71	7	239	317	17	818	96	931	35	11	4	50	90	258	4	352	1650
08:00 AM	16	3	63	82	2	179	16	197	1	2	0	3	27	99	4	130	412
08:15 AM	8	0	44	52	0	171	13	184	1	0	0	1	27	104	1	132	369
08:30 AM	3	2	44	49	0	130	16	146	6	0	0	6	34	90	1	125	326
08:45 AM	6	2	35	43	0	141	5	146	5	4	0	9	26	62	3	91	289
Total	33	7	186	226	2	621	50	673	13	6	0	19	114	355	9	478	1396
Grand Total	104	14	425	543	19	1439	146	1604	48	17	4	69	204	613	13	830	3046
Apprch %	19.2	2.6	78.3		1.2	89.7	9.1		69.6	24.6	5.8		24.6	73.9	1.6		
Total %	3.4	0.5	14	17.8	0.6	47.2	4.8	52.7	1.6	0.6	0.1	2.3	6.7	20.1	0.4	27.2	

Start Time	Church Street Southbound				Greenspot Road Westbound				Church Street Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
07:15 AM	16	2	57	75	1	<b>243</b>	8	<b>252</b>	7	1	0	8	13	65	2	80	415
07:30 AM	18	2	62	<b>82</b>	0	227	22	249	<b>9</b>	1	0	10	28	69	0	97	438
07:45 AM	<b>20</b>	2	57	79	<b>16</b>	179	<b>56</b>	251	9	<b>7</b>	<b>2</b>	<b>18</b>	<b>30</b>	67	1	98	<b>446</b>
08:00 AM	16	<b>3</b>	<b>63</b>	82	2	179	16	197	1	2	0	3	27	<b>99</b>	<b>4</b>	<b>130</b>	412
Total Volume	70	9	239	318	19	828	102	949	26	11	2	39	98	300	7	405	1711
% App. Total	22	2.8	75.2		2	87.2	10.7		66.7	28.2	5.1		24.2	74.1	1.7		
PHF	.875	.750	.948	.970	.297	.852	.455	.941	.722	.393	.250	.542	.817	.758	.438	.779	.959

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 07:15 AM

City of Highland  
N/S: Church Street  
E/W: Greenspot Road  
Weather: Sunny

File Name : HICHGRPM  
Site Code : 00314859  
Start Date : 4/9/2008  
Page No : 1

Groups Printed- Total Volume

multiplied by 4

Start Time	Church Street Southbound				Greenspot Road Westbound				Church Street Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
04:00 PM	10	0	25	35	1	80	13	94	5	0	1	6	52	160	3	215	350
04:15 PM	11	0	28	39	4	93	20	117	6	2	0	8	50	196	7	253	417
04:30 PM	21	2	26	49	0	99	20	119	0	0	1	1	50	175	3	228	397
04:45 PM	18	4	37	59	2	85	14	101	7	0	1	8	73	233	3	309	477
Total	60	6	116	182	7	357	67	431	18	2	3	23	225	764	16	1005	1641
05:00 PM	20	3	30	53	6	93	7	106	4	2	2	8	66	221	8	295	462
05:15 PM	18	1	44	63	1	97	21	119	7	0	0	7	59	237	8	304	493
05:30 PM	19	1	37	57	1	107	10	118	3	0	0	3	57	248	3	308	486
05:45 PM	15	0	28	43	1	63	18	82	6	0	0	6	64	201	3	268	399
Total	72	5	139	216	9	360	56	425	20	2	2	24	246	907	22	1175	1840
Grand Total	132	11	255	398	16	717	123	856	38	4	5	47	471	1671	38	2180	3481
Apprch %	33.2	2.8	64.1		1.9	83.8	14.4		80.9	8.5	10.6		21.6	76.7	1.7		
Total %	3.8	0.3	7.3	11.4	0.5	20.6	3.5	24.6	1.1	0.1	0.1	1.4	13.5	48	1.1	62.6	

Start Time	Church Street Southbound				Greenspot Road Westbound				Church Street Northbound				Greenspot Road Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	18	<b>4</b>	37	59	2	85	14	101	<b>7</b>	0	1	<b>8</b>	<b>73</b>	233	3	<b>309</b>	477
05:00 PM	<b>20</b>	3	30	53	<b>6</b>	93	7	106	4	<b>2</b>	<b>2</b>	8	66	221	<b>8</b>	295	462
05:15 PM	18	1	<b>44</b>	<b>63</b>	1	97	<b>21</b>	<b>119</b>	7	0	0	7	59	237	8	304	<b>493</b>
05:30 PM	19	1	37	57	1	<b>107</b>	10	118	3	0	0	3	57	<b>248</b>	3	308	486
Total Volume	75	9	148	232	10	382	52	444	21	2	3	26	255	939	22	1216	1918
% App. Total	32.3	3.9	63.8		2.3	86	11.7		80.8	7.7	11.5		21	77.2	1.8		
PHF	.938	.563	.841	.921	.417	.893	.619	.933	.750	.250	.375	.813	.873	.947	.688	.984	.973