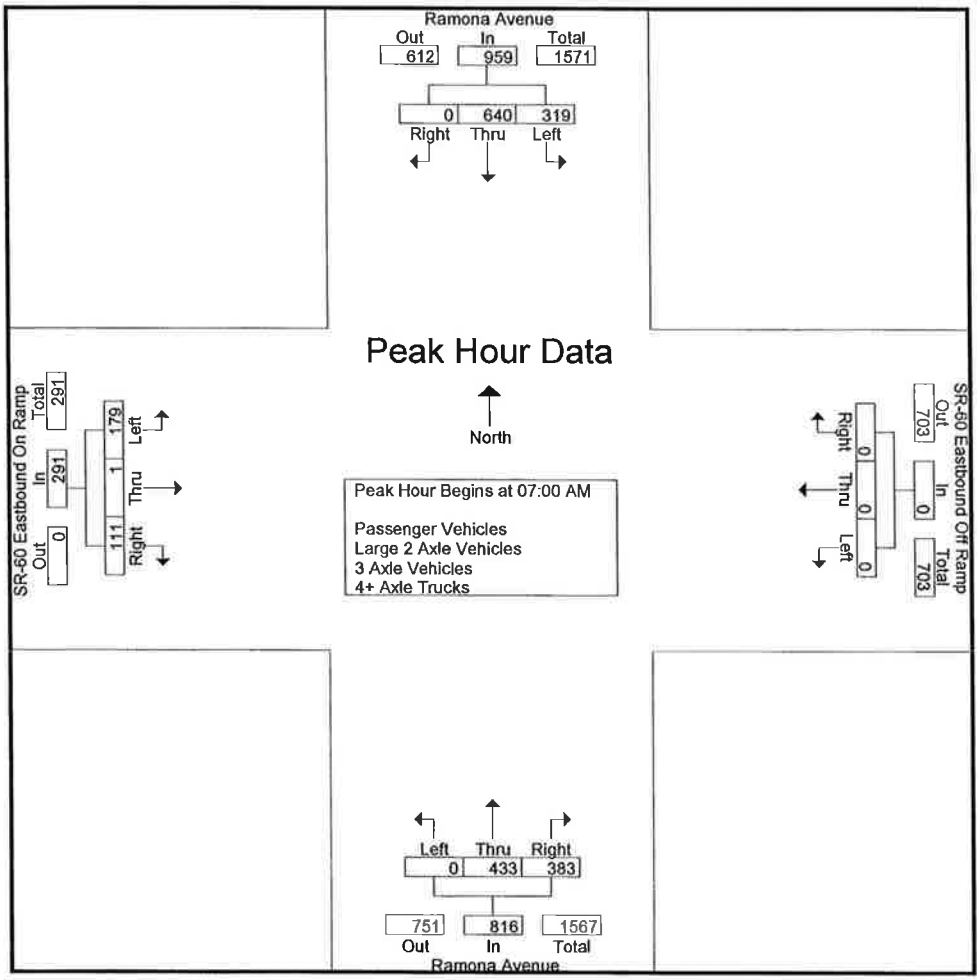
Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of Chino
N/S: Ramona Avenue
E/W: SR-60 Eastbound On/Off Ramps
Weather: Sunny

File Name : CHRA60EAM
Site Code : 04120897
Start Date : 5/14/2008
Page No : 2



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

Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:15 AM			
+0 mins.	75	121	0	196	0	0	0	0	0	112	91	203	38	0	23	61
+15 mins.	73	147	0	220	0	0	0	0	0	102	100	202	52	0	28	80
+30 mins.	**95**	183	0	**278**	0	0	0	0	0	**116**	**109**	**225**	**55**	**1**	35	**91**
+45 mins.	76	**189**	0	265	0	0	0	0	0	103	83	186	47	0	**36**	83
Total Volume	319	640	0	959	0	0	0	0	0	433	383	816	192	1	122	315
% App. Total	33.3	66.7	0		0	0	0		0	53.1	46.9		61	0.3	38.7	
PHF	.839	.847	.000	.862	.000	.000	.000	.000	.000	.933	.878	.907	.873	.250	.847	.865

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

	Ramona Avenue Southbound				SR-60 Eastbound Off Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound On Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	75	121	0	196	0	0	0	0	0	112	91	203	34	0	25	59	458
07:15 AM	73	147	0	220	0	0	0	0	0	102	100	202	38	0	23	61	483
07:30 AM	95	183	0	278	0	0	0	0	0	116	109	225	52	0	28	80	583
07:45 AM	76	189	0	265	0	0	0	0	0	103	83	186	55	1	35	91	542
Total	319	640	0	959	0	0	0	0	0	433	383	816	179	1	111	291	2066
08:00 AM	49	134	0	183	0	0	0	0	0	104	87	191	47	0	36	83	457
08:15 AM	49	144	0	193	0	0	0	0	0	89	94	183	44	0	17	61	437
08:30 AM	54	143	0	197	0	0	0	0	0	91	90	181	45	0	23	68	446
08:45 AM	37	100	0	137	0	0	0	0	0	95	78	173	41	0	28	69	379
Total	189	521	0	710	0	0	0	0	0	379	349	728	177	0	104	281	1719
Grand Total	508	1161	0	1669	0	0	0	0	0	812	732	1544	356	1	215	572	3785
Apprch %	30.4	69.6	0		0	0	0		0	52.6	47.4		62.2	0.2	37.6		
Total %	13.4	30.7	0	44.1	0	0	0	0	0	21.5	19.3	40.8	9.4	0	5.7	15.1	
Passenger Vehicles	496	1129	0	1625	0	0	0	0	0	797	715	1512	342	1	207	550	3687
% Passenger Vehicles	97.6	97.2	0	97.4	0	0	0	0	0	98.2	97.7	97.9	96.1	100	96.3	96.2	97.4
Large 2 Axle Vehicles	4	25	0	29	0	0	0	0	0	8	10	18	6	0	6	12	59
% Large 2 Axle Vehicles	0.8	2.2	0	1.7	0	0	0	0	0	1	1.4	1.2	1.7	0	2.8	2.1	1.6
3 Axle Vehicles	3	4	0	7	0	0	0	0	0	1	3	4	6	0	1	7	18
% 3 Axle Vehicles	0.6	0.3	0	0.4	0	0	0	0	0	0.1	0.4	0.3	1.7	0	0.5	1.2	0.5
4+ Axle Trucks	5	3	0	8	0	0	0	0	0	6	4	10	2	0	1	3	21
% 4+ Axle Trucks	1	0.3	0	0.5	0	0	0	0	0	0.7	0.5	0.6	0.6	0	0.5	0.5	0.6

	Ramona Avenue Southbound				SR-60 Eastbound Off Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound On Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	75	121	0	196	0	0	0	0	0	112	91	203	34	0	25	59	458
07:15 AM	73	147	0	220	0	0	0	0	0	**102**	100	202	38	0	23	61	483
07:30 AM	**95**	183	0	**278**	0	0	0	0	0	**116**	**109**	**225**	52	0	28	80	**583**
07:45 AM	76	**189**	0	265	0	0	0	0	0	103	83	186	**55**	**1**	**35**	**91**	542
Total Volume	319	640	0	959	0	0	0	0	0	433	383	816	179	1	111	291	2066
% App. Total	33.3	66.7	0		0	0	0		0	53.1	46.9		61.5	0.3	38.1		
PHF	.839	.847	.000	.862	.000	.000	.000	.000	.000	.933	.878	.907	.814	.250	.793	.799	.886

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City of Chino
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Weather: Sunny

File Name : CHRA60EAM
Site Code : 04120897
Start Date : 5/14/2008
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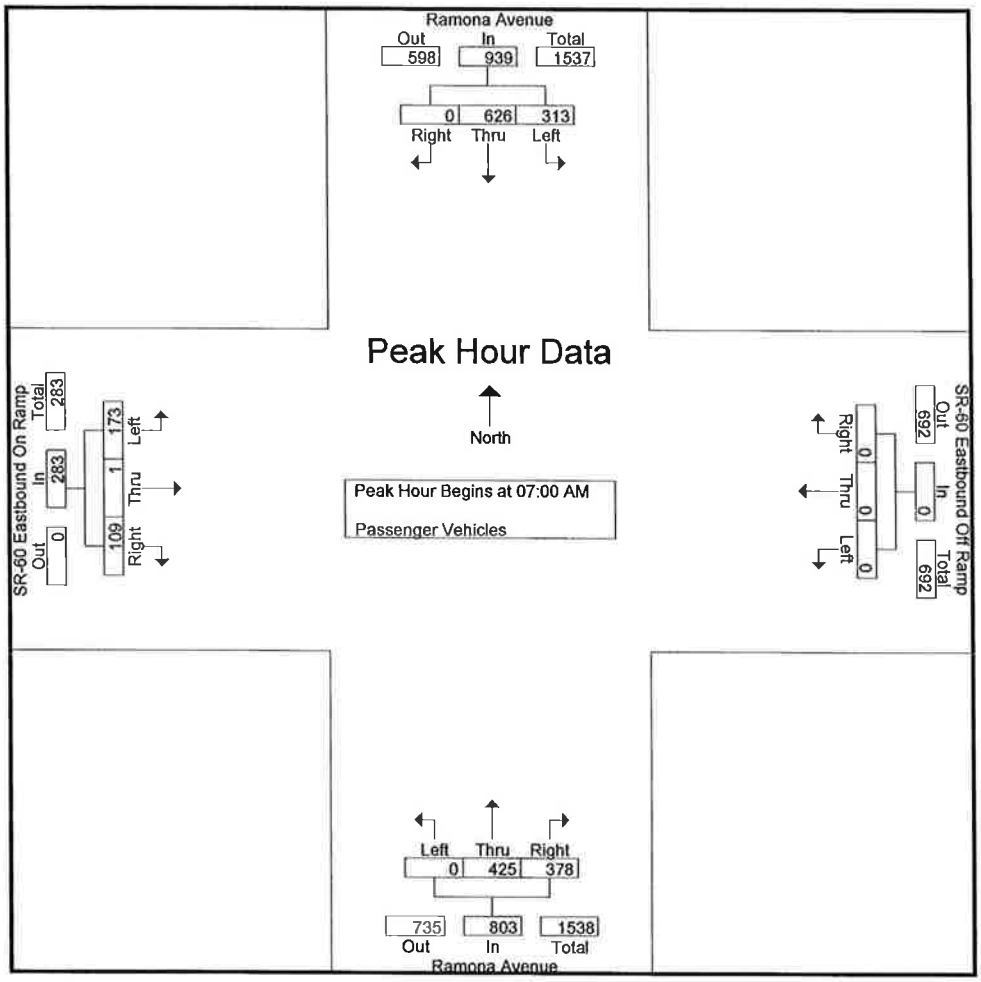

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:15 AM			
+0 mins.	72	120	0	192	0	0	0	0	0	111	88	199	37	0	23	60
+15 mins.	71	143	0	214	0	0	0	0	0	99	99	198	52	0	28	80
+30 mins.	**95**	177	**0**	**272**	0	0	0	0	0	**112**	**109**	**221**	**54**	**1**	**34**	**89**
+45 mins.	75	**186**	0	261	0	0	0	0	0	103	82	185	46	0	33	79
Total Volume	313	626	0	939	0	0	0	0	0	425	378	803	189	1	118	308
% App. Total	33.3	66.7	0		0	0	0		0	52.9	47.1		61.4	0.3	38.3	
PHF	.824	.841	.000	.863	.000	.000	.000	.000	.000	.949	.867	.908	.875	.250	.868	.865

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Groups Printed- Passenger Vehicles

	Ramona Avenue Southbound				SR-60 Eastbound Off Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound On Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	72	120	0	192	0	0	0	0	0	111	88	199	30	0	24	54	445
07:15 AM	71	143	0	214	0	0	0	0	0	99	99	198	37	0	23	60	472
07:30 AM	95	177	0	272	0	0	0	0	0	112	109	221	52	0	28	80	573
07:45 AM	75	186	0	261	0	0	0	0	0	103	82	185	54	1	34	89	535
Total	313	626	0	939	0	0	0	0	0	425	378	803	173	1	109	283	2025
08:00 AM	48	131	0	179	0	0	0	0	0	103	83	186	46	0	33	79	444
08:15 AM	46	139	0	185	0	0	0	0	0	88	91	179	42	0	17	59	423
08:30 AM	53	136	0	189	0	0	0	0	0	89	88	177	41	0	22	63	429
08:45 AM	36	97	0	133	0	0	0	0	0	92	75	167	40	0	26	66	366
Total	183	503	0	686	0	0	0	0	0	372	337	709	169	0	98	267	1662
Grand Total	496	1129	0	1625	0	0	0	0	0	797	715	1512	342	1	207	550	3687
Apprch %	30.5	69.5	0		0	0	0		0	52.7	47.3		62.2	0.2	37.6		
Total %	13.5	30.6	0	44.1	0	0	0	0	0	21.6	19.4	41	9.3	0	5.6	14.9	

	Ramona Avenue Southbound				SR-60 Eastbound Off Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound On Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	72	120	0	192	0	0	0	0	0	111	88	199	30	0	24	54	445
07:15 AM	71	143	0	214	0	0	0	0	0	99	99	198	37	0	23	60	472
07:30 AM	**95**	177	0	**272**	0	0	0	0	0	**112**	**109**	**221**	52	0	28	80	**573**
07:45 AM	75	**186**	0	261	0	0	0	0	0	103	82	185	**54**	**1**	**34**	**89**	535
Total Volume	313	626	0	939	0	0	0	0	0	425	378	803	173	1	109	283	2025
% App. Total	33.3	66.7	0		0	0	0		0	52.9	47.1		61.1	0.4	38.5		
PHF	.824	.841	.000	.863	.000	.000	.000	.000	.000	.949	.867	.908	.801	.250	.801	.795	.884

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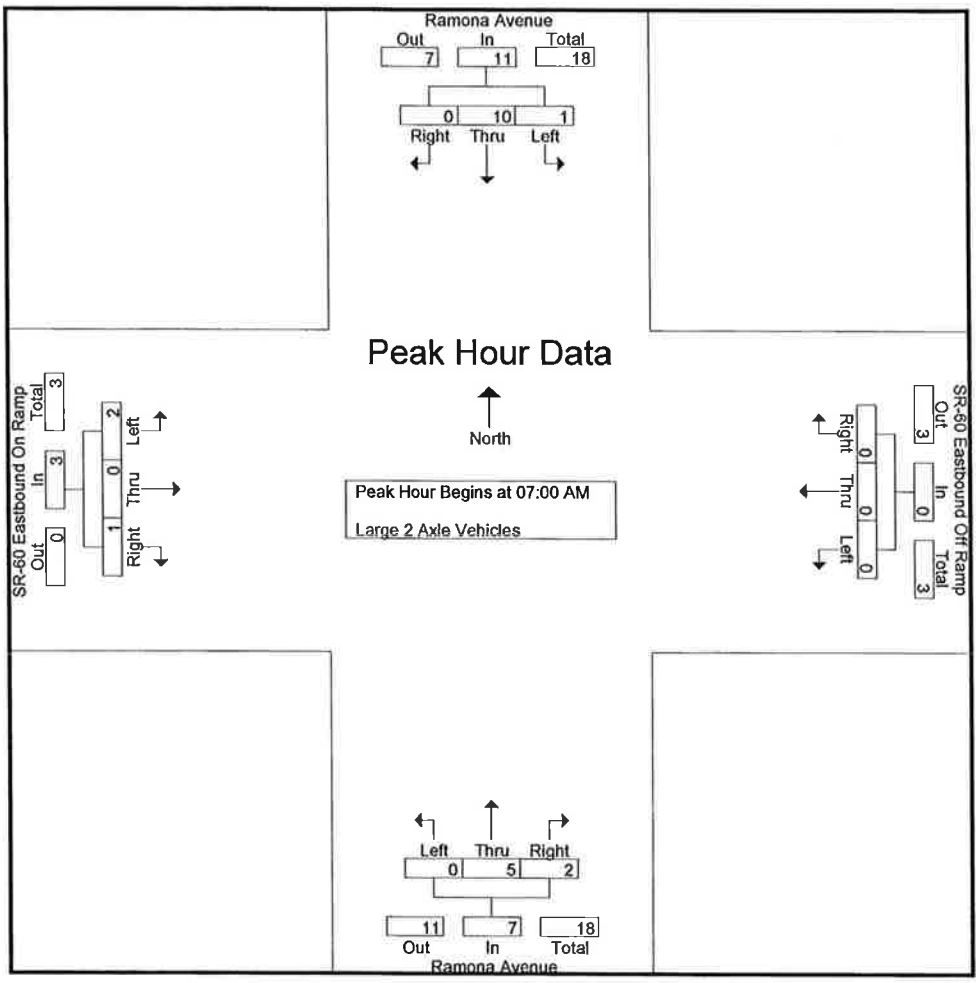

Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:00 AM			
+0 mins.	**1**	0	0	1	0	0	0	0	0	1	**1**	2	**2**	0	0	**2**
+15 mins.	0	**4**	0	**4**	0	0	0	0	0	1	0	1	0	0	0	0
+30 mins.	0	4	0	4	0	0	0	0	0	**3**	0	**3**	0	0	0	0
+45 mins.	0	2	0	2	0	0	0	0	0	0	1	1	0	0	**1**	**1**
Total Volume	1	10	0	11	0	0	0	0	0	5	2	7	2	0	1	3
% App. Total	9.1	90.9	0		0	0	0		0	71.4	28.6		66.7	0	33.3	
PHF	.250	.625	.000	.688	.000	.000	.000	.000	.000	.417	.500	.583	.250	.000	.250	.375

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Groups Printed- Large 2 Axle Vehicles

	Ramona Avenue Southbound				SR-60 Eastbound Off Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound On Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	1	0	0	1	0	0	0	0	0	1	1	2	2	0	0	2	5
07:15 AM	0	4	0	4	0	0	0	0	0	1	0	1	0	0	0	0	5
07:30 AM	0	4	0	4	0	0	0	0	0	3	0	3	0	0	0	0	7
07:45 AM	0	2	0	2	0	0	0	0	0	0	1	1	0	0	1	1	4
Total	1	10	0	11	0	0	0	0	0	5	2	7	2	0	1	3	21
08:00 AM	1	2	0	3	0	0	0	0	0	1	4	5	0	0	2	2	10
08:15 AM	1	4	0	5	0	0	0	0	0	0	2	2	0	0	0	0	7
08:30 AM	0	6	0	6	0	0	0	0	0	1	1	2	4	0	1	5	13
08:45 AM	1	3	0	4	0	0	0	0	0	1	1	2	0	0	2	2	8
Total	3	15	0	18	0	0	0	0	0	3	8	11	4	0	5	9	38
Grand Total	4	25	0	29	0	0	0	0	0	8	10	18	6	0	6	12	59
Apprch %	13.8	86.2	0		0	0	0		0	44.4	55.6		50	0	50		
Total %	6.8	42.4	0	49.2	0	0	0	0	0	13.6	16.9	30.5	10.2	0	10.2	20.3	

	Ramona Avenue Southbound				SR-60 Eastbound Off Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound On Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
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																	
07:00 AM	1	0	0	1	0	0	0	0	0	1	1	2	2	0	0	2	5
07:15 AM	0	4	0	4	0	0	0	0	0	1	0	1	0	0	0	0	5
07:30 AM	0	4	0	4	0	0	0	0	0	3	0	3	0	0	0	0	7
07:45 AM	0	2	0	2	0	0	0	0	0	0	1	1	0	0	1	1	4
Total Volume	1	10	0	11	0	0	0	0	0	5	2	7	2	0	1	3	21
% App. Total	9.1	90.9	0		0	0	0		0	71.4	28.6		66.7	0	33.3		
PHF	.250	.625	.000	.688	.000	.000	.000	.000	.000	.417	.500	.583	.250	.000	.250	.375	.750

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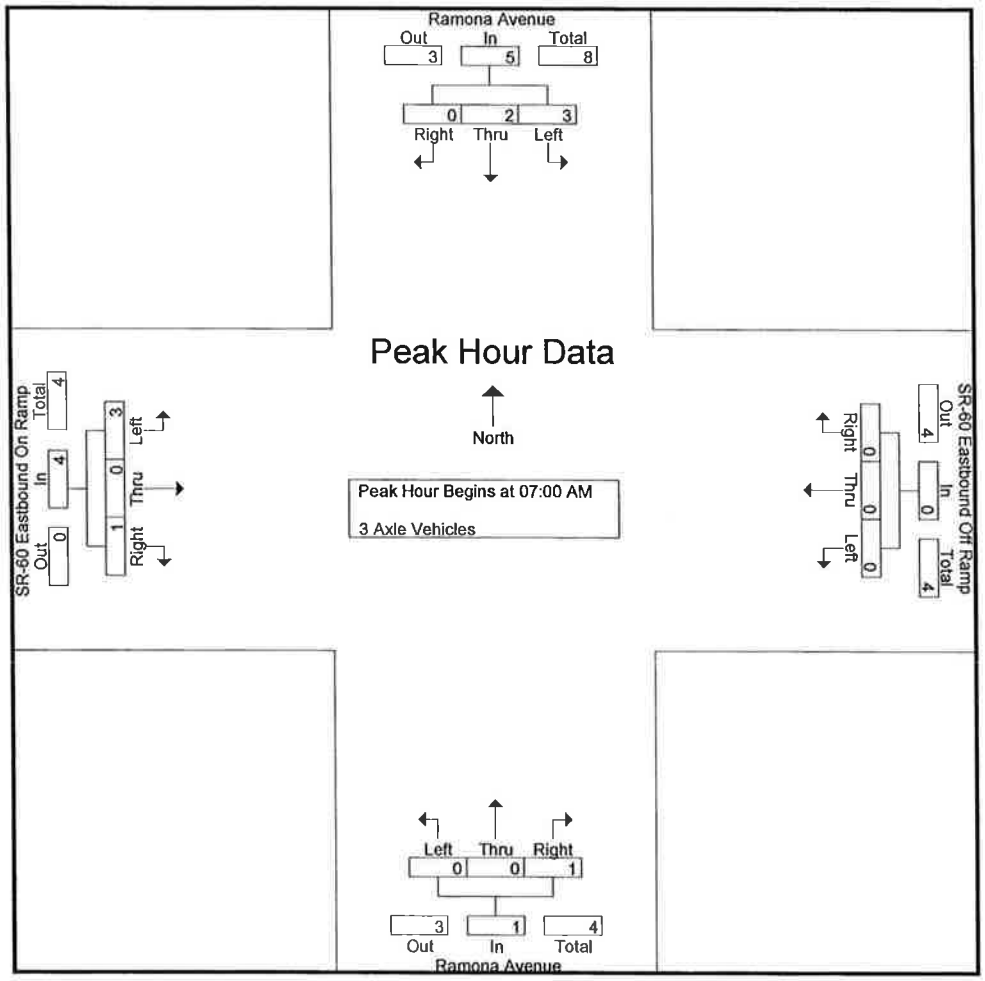

Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:00 AM			
+0 mins.	1	1	0	2	0	0	0	0	0	0	1	1	2	0	1	3
+15 mins.	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1
+30 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+45 mins.	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	3	2	0	5	0	0	0	0	0	0	1	1	3	0	1	4
% App. Total	60	40	0		0	0	0		0	0	100		75	0	25	
PHF	.750	.500	.000	.625	.000	.000	.000	.000	.000	.000	.250	.250	.375	.000	.250	.333

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Groups Printed- 3 Axle Vehicles

	Ramona Avenue Southbound				SR-60 Eastbound Off Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound On Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	1	1	0	2	0	0	0	0	0	0	1	1	2	0	1	3	6
07:15 AM	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	3	2	0	5	0	0	0	0	0	0	1	1	3	0	1	4	10
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
08:15 AM	0	1	0	1	0	0	0	0	0	0	1	1	1	0	0	1	3
08:30 AM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
08:45 AM	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	1	3
Total	0	2	0	2	0	0	0	0	0	1	2	3	3	0	0	3	8
Grand Total	3	4	0	7	0	0	0	0	0	1	3	4	6	0	1	7	18
Apprch %	42.9	57.1	0		0	0	0		0	25	75		85.7	0	14.3		
Total %	16.7	22.2	0	38.9	0	0	0	0	0	5.6	16.7	22.2	33.3	0	5.6	38.9	

	Ramona Avenue Southbound				SR-60 Eastbound Off Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound On Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
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																	
07:00 AM	**1**	**1**	0	**2**	0	0	0	0	0	0	**1**	**1**	**2**	0	**1**	**3**	**6**
07:15 AM	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Total Volume	3	2	0	5	0	0	0	0	0	0	1	1	3	0	1	4	10
% App. Total	60	40	0		0	0	0		0	0	100		75	0	25		
PHF	.750	.500	.000	.625	.000	.000	.000	.000	.000	.000	.250	.250	.375	.000	.250	.333	.417

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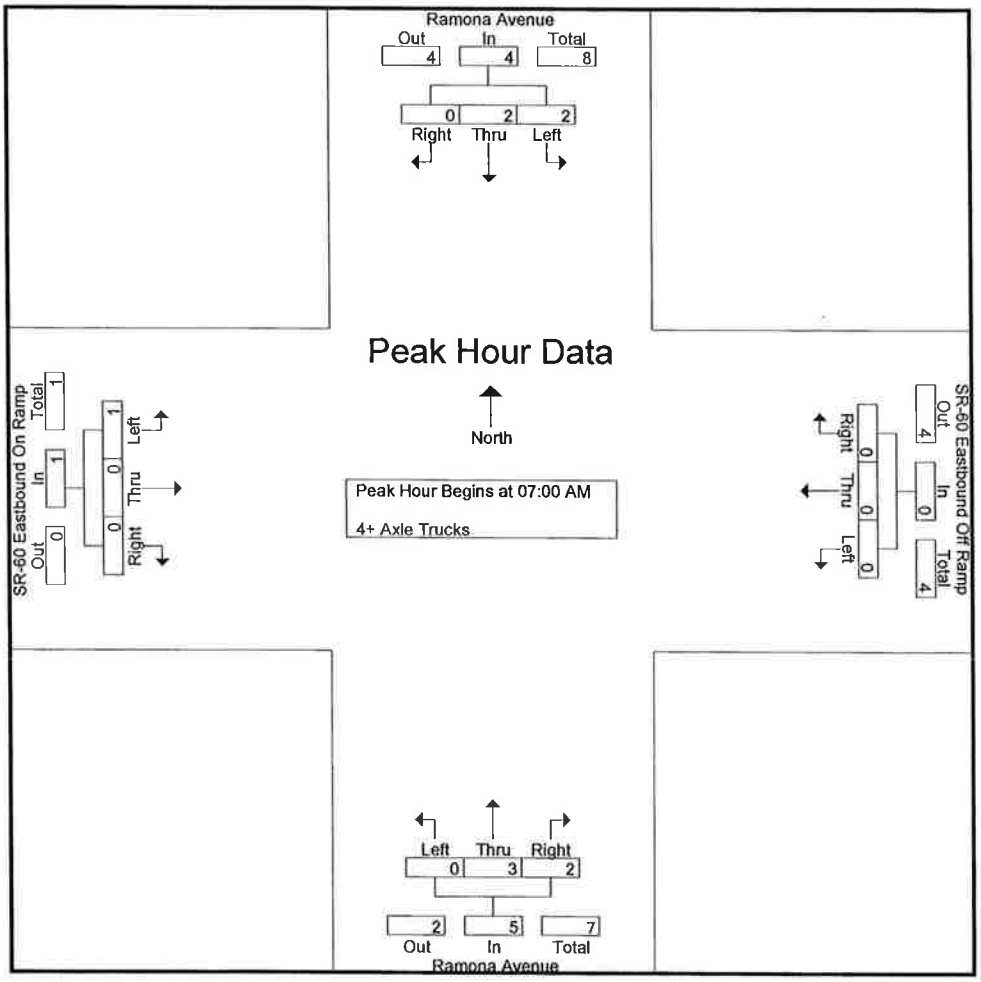

Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:00 AM			
+0 mins.	**1**	0	0	1	0	0	0	0	0	0	**1**	1	0	0	0	0
+15 mins.	1	0	0	1	0	0	0	0	0	**2**	1	**3**	0	0	0	0
+30 mins.	0	**2**	0	**2**	0	0	0	0	0	1	0	1	0	0	0	0
+45 mins.	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Total Volume	2	2	0	4	0	0	0	0	0	3	2	5	1	0	0	1
% App. Total	50	50	0		0	0	0		0	60	40		100	0	0	
PHF	.500	.250	.000	.500	.000	.000	.000	.000	.000	.375	.500	.417	.250	.000	.000	.250

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of Chino
N/S: Ramona Avenue
E/W: SR-60 Eastbound On/Off Ramps
Weather: Sunny

File Name : CHRA60EAM
Site Code : 04120897
Start Date : 5/14/2008
Page No : 1

Groups Printed- 4+ Axle Trucks

	Ramona Avenue Southbound				SR-60 Eastbound Off Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound On Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	2
07:15 AM	1	0	0	1	0	0	0	0	0	2	1	3	0	0	0	0	4
07:30 AM	0	2	0	2	0	0	0	0	0	1	0	1	0	0	0	0	3
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	2	2	0	4	0	0	0	0	0	3	2	5	1	0	0	1	10
08:00 AM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	2
08:15 AM	2	0	0	2	0	0	0	0	0	1	0	1	1	0	0	1	4
08:30 AM	1	0	0	1	0	0	0	0	0	1	1	2	0	0	0	0	3
08:45 AM	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	2
Total	3	1	0	4	0	0	0	0	0	3	2	5	1	0	1	2	11
Grand Total	5	3	0	8	0	0	0	0	0	6	4	10	2	0	1	3	21
Apprch %	62.5	37.5	0		0	0	0		0	60	40		66.7	0	33.3		
Total %	23.8	14.3	0	38.1	0	0	0	0	0	28.6	19	47.6	9.5	0	4.8	14.3	

	Ramona Avenue Southbound				SR-60 Eastbound Off Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound On Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
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																	
07:00 AM	**1**	0	0	1	0	0	0	0	0	0	**1**	1	0	0	0	0	2
07:15 AM	1	0	0	1	0	0	0	0	0	**2**	1	**3**	0	0	0	0	4
07:30 AM	0	**2**	0	**2**	0	0	0	0	0	1	0	1	0	0	0	0	3
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**	1
Total Volume	2	2	0	4	0	0	0	0	0	3	2	5	1	0	0	1	10
% App. Total	50	50	0		0	0	0		0	60	40		100	0	0		
PHF	.500	.250	.000	.500	.000	.000	.000	.000	.000	.375	.500	.417	.250	.000	.000	.250	.625

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City of Chino
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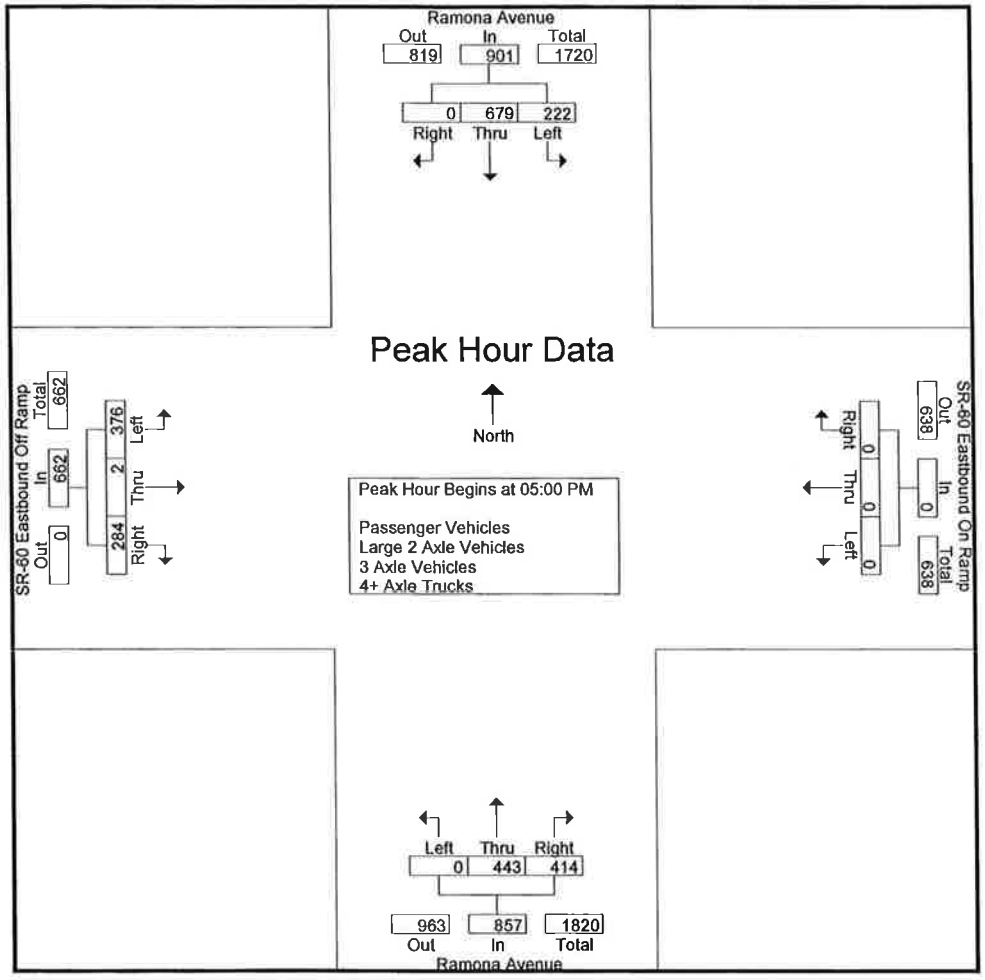
File Name : CHRA60EPM
Site Code : 04120897
Start Date : 5/14/2008
Page No : 2



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

Peak Hour for Each Approach Begins at:

	05:00 PM				04:00 PM				05:00 PM				05:00 PM			
+0 mins.	**67**	169	0	**236**	0	0	0	0	0	**121**	**109**	**230**	83	0	71	154
+15 mins.	49	**184**	0	233	0	0	0	0	0	104	106	210	**105**	0	**78**	**183**
+30 mins.	57	161	0	218	0	0	0	0	0	104	109	213	98	0	75	173
+45 mins.	49	165	0	214	0	0	0	0	0	114	90	204	90	**2**	60	152
Total Volume	222	679	0	901	0	0	0	0	0	443	414	857	376	2	284	662
% App. Total	24.6	75.4	0		0	0	0		0	51.7	48.3		56.8	0.3	42.9	
PHF	.828	.923	.000	.954	.000	.000	.000	.000	.000	.915	.950	.932	.895	.250	.910	.904

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File Name : CHRA60EPM
Site Code : 04120897
Start Date : 5/14/2008
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Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	60	137	0	197	0	0	0	0	0	103	107	210	80	1	54	135	542
04:15 PM	63	147	0	210	0	0	0	0	0	116	113	229	68	1	60	129	568
04:30 PM	57	144	0	201	0	0	0	0	0	91	98	189	59	0	68	127	517
04:45 PM	52	154	0	206	0	0	0	0	0	107	91	198	82	0	67	149	553
Total	232	582	0	814	0	0	0	0	0	417	409	826	289	2	249	540	2180
05:00 PM	67	169	0	236	0	0	0	0	0	121	109	230	83	0	71	154	620
05:15 PM	49	184	0	233	0	0	0	0	0	104	106	210	105	0	78	183	626
05:30 PM	57	161	0	218	0	0	0	0	0	104	109	213	98	0	75	173	604
05:45 PM	49	165	0	214	0	0	0	0	0	114	90	204	90	2	60	152	570
Total	222	679	0	901	0	0	0	0	0	443	414	857	376	2	284	662	2420
Grand Total	454	1261	0	1715	0	0	0	0	0	860	823	1683	665	4	533	1202	4600
Apprch %	26.5	73.5	0		0	0	0		0	51.1	48.9		55.3	0.3	44.3		
Total %	9.9	27.4	0	37.3	0	0	0	0	0	18.7	17.9	36.6	14.5	0.1	11.6	26.1	
Passenger Vehicles	445	1237	0	1682	0	0	0	0	0	842	812	1654	653	2	532	1187	4523
% Passenger Vehicles	98	98.1	0	98.1	0	0	0	0	0	97.9	98.7	98.3	98.2	50	99.8	98.8	98.3
Large 2 Axle Vehicles	4	16	0	20	0	0	0	0	0	12	6	18	6	1	1	8	46
% Large 2 Axle Vehicles	0.9	1.3	0	1.2	0	0	0	0	0	1.4	0.7	1.1	0.9	25	0.2	0.7	1
3 Axle Vehicles	4	3	0	7	0	0	0	0	0	3	2	5	1	1	0	2	14
% 3 Axle Vehicles	0.9	0.2	0	0.4	0	0	0	0	0	0.3	0.2	0.3	0.2	25	0	0.2	0.3
4+ Axle Trucks	1	5	0	6	0	0	0	0	0	3	3	6	5	0	0	5	17
% 4+ Axle Trucks	0.2	0.4	0	0.3	0	0	0	0	0	0.3	0.4	0.4	0.8	0	0	0.4	0.4

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. 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	**67**	169	0	**236**	0	0	0	0	0	**121**	**109**	**230**	83	0	71	154	620
05:15 PM	49	**184**	0	233	0	0	0	0	0	104	106	210	**105**	0	**78**	**183**	**626**
05:30 PM	57	161	0	218	0	0	0	0	0	104	109	213	98	0	75	173	604
05:45 PM	49	165	0	214	0	0	0	0	0	114	90	204	90	**2**	60	152	570
Total Volume	222	679	0	901	0	0	0	0	0	443	414	857	376	2	284	662	2420
% App. Total	24.6	75.4	0		0	0	0		0	51.7	48.3		56.8	0.3	42.9		
PHF	.828	.923	.000	.954	.000	.000	.000	.000	.000	.915	.950	.932	.895	.250	.910	.904	.966

Counts Unlimited Inc.
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951-485-7934

City of Chino
N/S: Ramona Avenue
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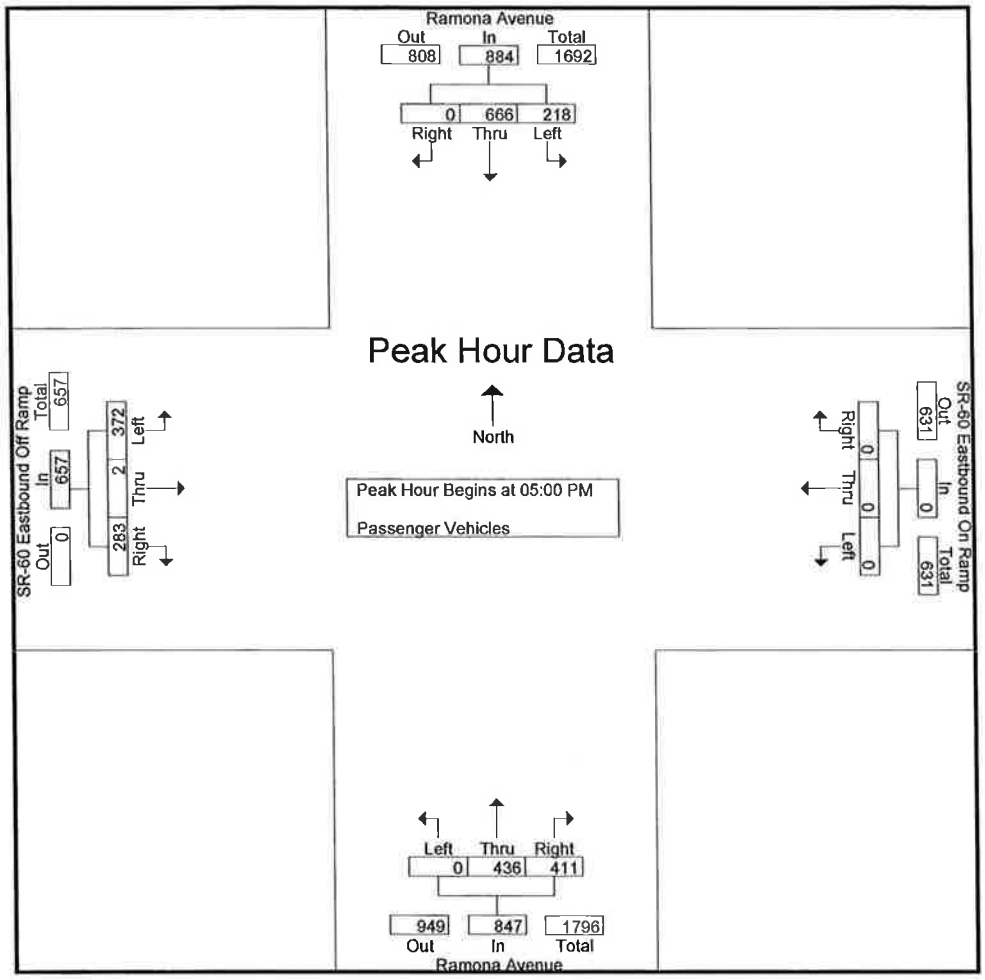
Weather: Sunny

File Name : CHRA60EPM
Site Code : 04120897
Start Date : 5/14/2008
Page No : 2



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

Peak Hour for Each Approach Begins at:

	05:00 PM				04:00 PM				05:00 PM				05:00 PM			
+0 mins.	**67**	164	0	**231**	0	0	0	0	0	**117**	**109**	**226**	82	0	70	152
+15 mins.	49	**180**	0	229	0	0	0	0	0	103	104	207	**103**	0	**78**	**181**
+30 mins.	55	160	0	215	0	0	0	0	0	103	108	211	97	0	75	172
+45 mins.	47	162	0	209	0	0	0	0	0	113	90	203	90	**2**	60	152
Total Volume	218	666	0	884	0	0	0	0	0	436	411	847	372	2	283	657
% App. Total	24.7	75.3	0		0	0	0		0	51.5	48.5		56.6	0.3	43.1	
PHF	.813	.925	.000	.957	.000	.000	.000	.000	.000	.932	.943	.937	.903	.250	.907	.907

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Groups Printed- Passenger Vehicles

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	59	134	0	193	0	0	0	0	0	101	105	206	77	0	54	131	530
04:15 PM	60	145	0	205	0	0	0	0	0	114	110	224	65	0	60	125	554
04:30 PM	57	141	0	198	0	0	0	0	0	87	97	184	58	0	68	126	508
04:45 PM	51	151	0	202	0	0	0	0	0	104	89	193	81	0	67	148	543
Total	227	571	0	798	0	0	0	0	0	406	401	807	281	0	249	530	2135
05:00 PM	67	164	0	231	0	0	0	0	0	117	109	226	82	0	70	152	609
05:15 PM	49	180	0	229	0	0	0	0	0	103	104	207	103	0	78	181	617
05:30 PM	55	160	0	215	0	0	0	0	0	103	108	211	97	0	75	172	598
05:45 PM	47	162	0	209	0	0	0	0	0	113	90	203	90	2	60	152	564
Total	218	666	0	884	0	0	0	0	0	436	411	847	372	2	283	657	2388
Grand Total	445	1237	0	1682	0	0	0	0	0	842	812	1654	653	2	532	1187	4523
Apprch %	26.5	73.5	0		0	0	0		0	50.9	49.1		55	0.2	44.8		
Total %	9.8	27.3	0	37.2	0	0	0	0	0	18.6	18	36.6	14.4	0	11.8	26.2	

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. 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	**67**	164	0	**231**	0	0	0	0	0	**117**	**109**	**226**	82	0	70	152	609
05:15 PM	49	**180**	0	229	0	0	0	0	0	103	104	207	**103**	0	**78**	**181**	**617**
05:30 PM	55	160	0	215	0	0	0	0	0	103	108	211	97	0	75	172	598
05:45 PM	47	162	0	209	0	0	0	0	0	113	90	203	90	**2**	60	152	564
Total Volume	218	666	0	884	0	0	0	0	0	436	411	847	372	2	283	657	2388
% App. Total	24.7	75.3	0		0	0	0		0	51.5	48.5		56.6	0.3	43.1		
PHF	.813	.925	.000	.957	.000	.000	.000	.000	.000	.932	.943	.937	.903	.250	.907	.907	.968

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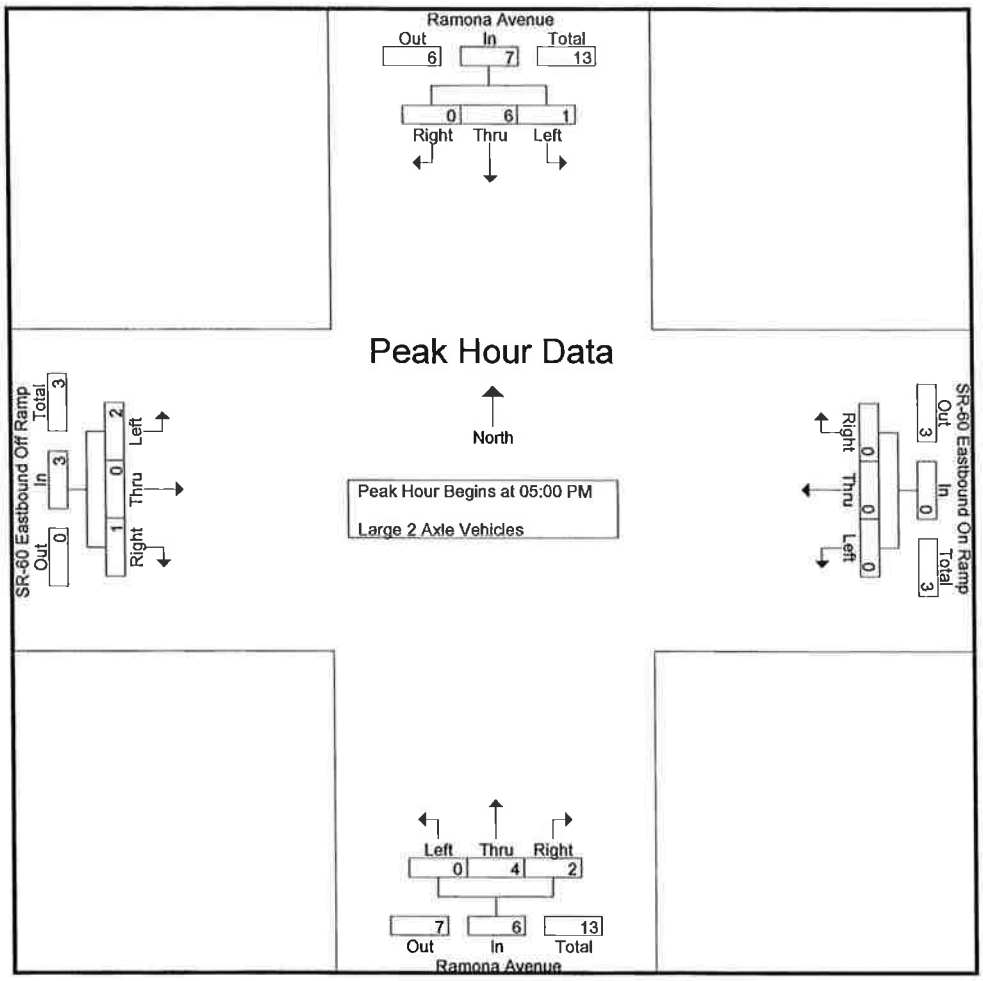

Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	0	2	0	2	0	0	0	0	0	2	0	2	1	0	1	2
+15 mins.	0	1	0	1	0	0	0	0	0	1	1	2	1	0	0	1
+30 mins.	1	1	0	2	0	0	0	0	0	1	1	2	0	0	0	0
+45 mins.	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	1	6	0	7	0	0	0	0	0	4	2	6	2	0	1	3
% App. Total	14.3	85.7	0		0	0	0		0	66.7	33.3		66.7	0	33.3	
PHF	.250	.750	.000	.875	.000	.000	.000	.000	.000	.500	.500	.750	.500	.000	.250	.375

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Weather: Sunny

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Groups Printed- Large 2 Axle Vehicles

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	1	3	0	4	0	0	0	0	0	1	1	2	1	0	0	1	7
04:15 PM	1	2	0	3	0	0	0	0	0	1	1	2	2	1	0	3	8
04:30 PM	0	3	0	3	0	0	0	0	0	4	1	5	0	0	0	0	8
04:45 PM	1	2	0	3	0	0	0	0	0	2	1	3	1	0	0	1	7
Total	3	10	0	13	0	0	0	0	0	8	4	12	4	1	0	5	30
05:00 PM	0	2	0	2	0	0	0	0	0	2	0	2	1	0	1	2	6
05:15 PM	0	1	0	1	0	0	0	0	0	1	1	2	1	0	0	1	4
05:30 PM	1	1	0	2	0	0	0	0	0	1	1	2	0	0	0	0	4
05:45 PM	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	1	6	0	7	0	0	0	0	0	4	2	6	2	0	1	3	16
Grand Total	4	16	0	20	0	0	0	0	0	12	6	18	6	1	1	8	46
Apprch %	20	80	0		0	0	0		0	66.7	33.3		75	12.5	12.5		
Total %	8.7	34.8	0	43.5	0	0	0	0	0	26.1	13	39.1	13	2.2	2.2	17.4	

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	**2**	0	**2**	0	0	0	0	0	**2**	0	**2**	**1**	0	**1**	**2**	**6**
05:15 PM	0	1	0	1	0	0	0	0	0	1	**1**	2	**1**	0	0	1	4
05:30 PM	**1**	1	0	2	0	0	0	0	0	1	1	2	0	0	0	0	4
05:45 PM	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Total Volume	1	6	0	7	0	0	0	0	0	4	2	6	2	0	1	3	16
% App. Total	14.3	85.7	0		0	0	0		0	66.7	33.3		66.7	0	33.3		
PHF	.250	.750	.000	.875	.000	.000	.000	.000	.000	.500	.500	.750	.500	.000	.250	.375	.667

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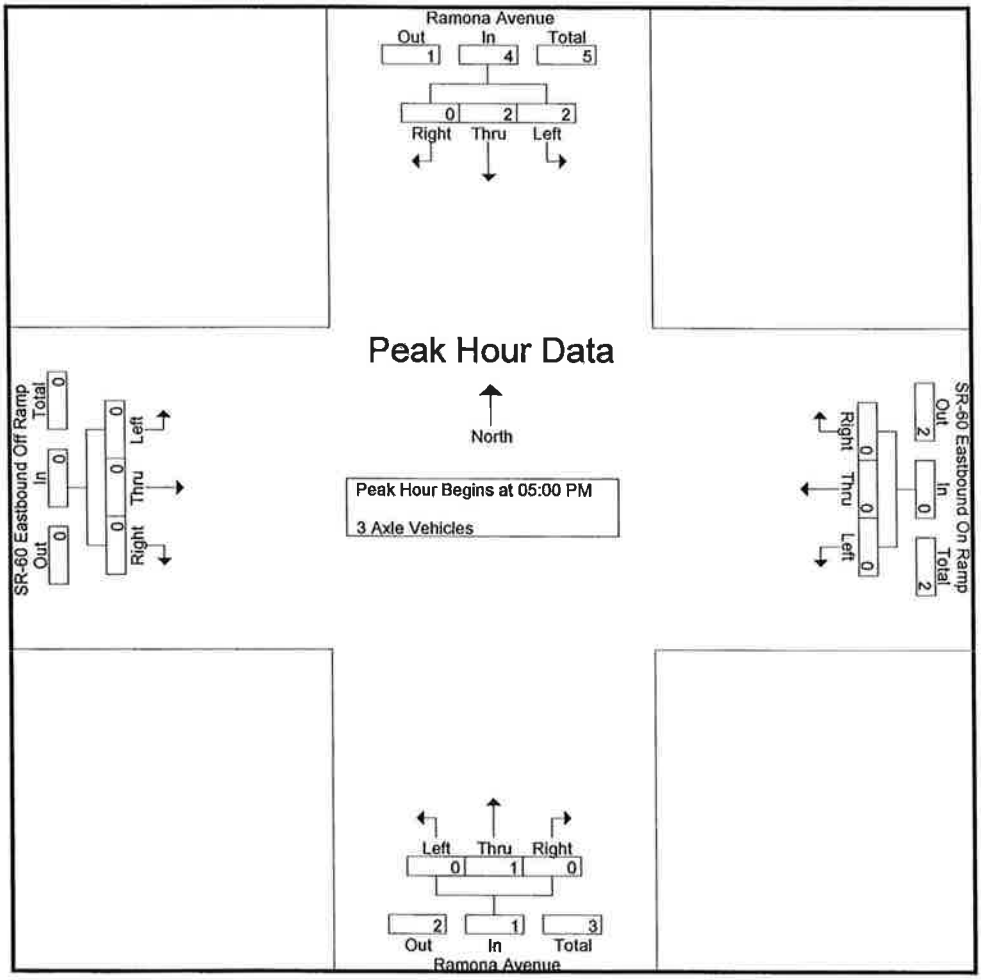

Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+15 mins.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+45 mins.	2	1	0	3	0	0	0	0	0	1	0	1	0	0	0	0
Total Volume	2	2	0	4	0	0	0	0	0	1	0	1	0	0	0	0
% App. Total	50	50	0		0	0	0		0	100	0		0	0	0	
PHF	.250	.500	.000	.333	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000

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Weather: Sunny

File Name : CHRA60EPM
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Start Date : 5/14/2008
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Groups Printed- 3 Axle Vehicles

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	2	4
04:15 PM	2	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	3
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	2
Total	2	1	0	3	0	0	0	0	0	2	2	4	1	1	0	2	9
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	2	1	0	3	0	0	0	0	0	1	0	1	0	0	0	0	4
Total	2	2	0	4	0	0	0	0	0	1	0	1	0	0	0	0	5
Grand Total	4	3	0	7	0	0	0	0	0	3	2	5	1	1	0	2	14
Apprch %	57.1	42.9	0		0	0	0		0	60	40		50	50	0		
Total %	28.6	21.4	0	50	0	0	0	0	0	21.4	14.3	35.7	7.1	7.1	0	14.3	

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	2	1	0	3	0	0	0	0	0	1	0	1	0	0	0	0	4
Total Volume	2	2	0	4	0	0	0	0	0	1	0	1	0	0	0	0	5
% App. Total	50	50	0		0	0	0		0	100	0		0	0	0		
PHF	.250	.500	.000	.333	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.313

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of Chino
N/S: Ramona Avenue
E/W: SR-60 Eastbound On/Off Ramps
Weather: Sunny

File Name : CHRA60EPM
Site Code : 04120897
Start Date : 5/14/2008
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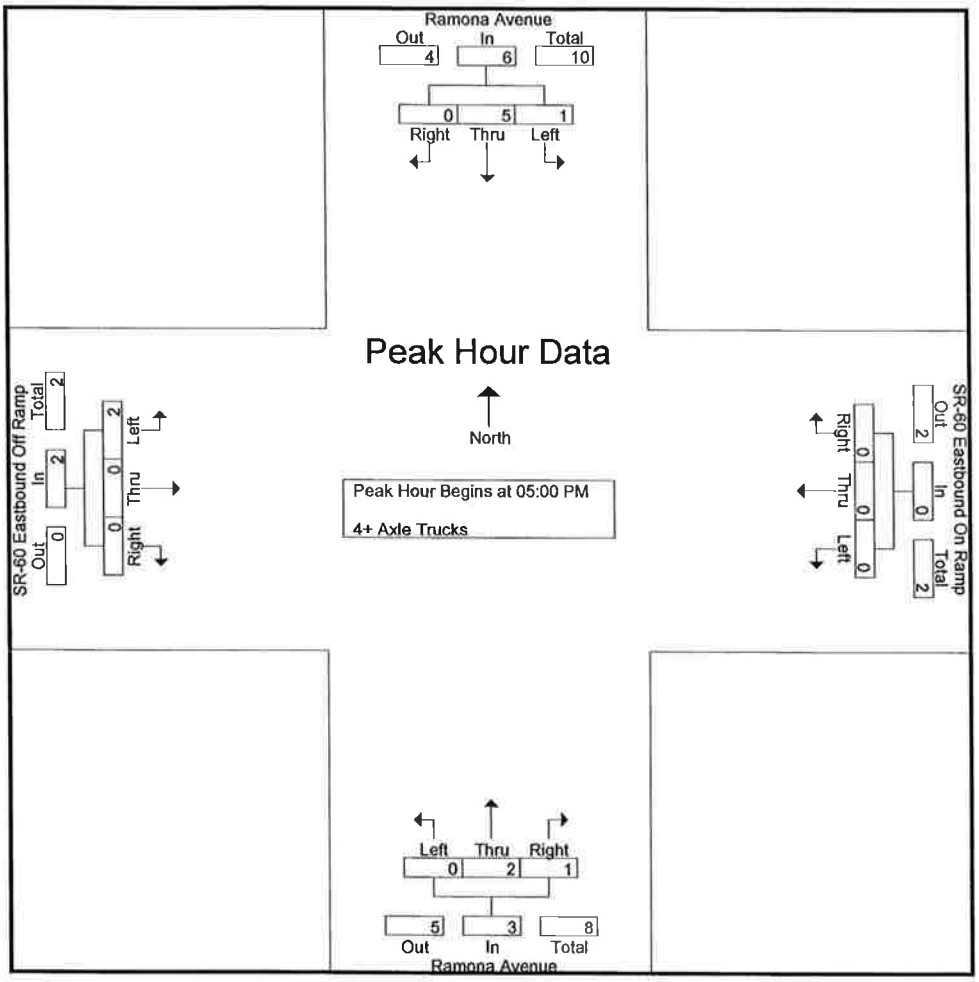

Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	0	3	0	3	0	0	0	0	0	2	0	2	0	0	0	0
+15 mins.	0	2	0	2	0	0	0	0	0	0	1	1	1	0	0	1
+30 mins.	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1
+45 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	1	5	0	6	0	0	0	0	0	2	1	3	2	0	0	2
% App. Total	16.7	83.3	0		0	0	0		0	66.7	33.3		100	0	0	
PHF	.250	.417	.000	.500	.000	.000	.000	.000	.000	.250	.250	.375	.500	.000	.000	.500

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of Chino
N/S: Ramona Avenue
E/W: SR-60 Eastbound On/Off Ramps
Weather: Sunny

File Name : CHRA60EPM
Site Code : 04120897
Start Date : 5/14/2008
Page No : 1

Groups Printed- 4+ Axle Trucks

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
04:15 PM	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	1	3
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
04:45 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	1	2	3	3	0	0	3	6
05:00 PM	0	3	0	3	0	0	0	0	0	2	0	2	0	0	0	0	5
05:15 PM	0	2	0	2	0	0	0	0	0	0	1	1	1	0	0	1	4
05:30 PM	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	5	0	6	0	0	0	0	0	2	1	3	2	0	0	2	11
Grand Total	1	5	0	6	0	0	0	0	0	3	3	6	5	0	0	5	17
Apprch %	16.7	83.3	0		0	0	0		0	50	50		100	0	0		
Total %	5.9	29.4	0	35.3	0	0	0	0	0	17.6	17.6	35.3	29.4	0	0	29.4	

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	**3**	0	**3**	0	0	0	0	0	**2**	0	**2**	0	0	0	0	**5**
05:15 PM	0	2	0	2	0	0	0	0	0	0	**1**	1	**1**	0	0	**1**	4
05:30 PM	**1**	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	1	5	0	6	0	0	0	0	0	2	1	3	2	0	0	2	11
% App. Total	16.7	83.3	0		0	0	0		0	66.7	33.3		100	0	0		
PHF	.250	.417	.000	.500	.000	.000	.000	.000	.000	.250	.250	.375	.500	.000	.000	.500	.550

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of Chino
N/S: Ramona Avenue
E/W: SR-60 Eastbound On/Off Ramps
Weather: Sunny

File Name : CHRA60EPM
Site Code : 04120897
Start Date : 5/14/2008
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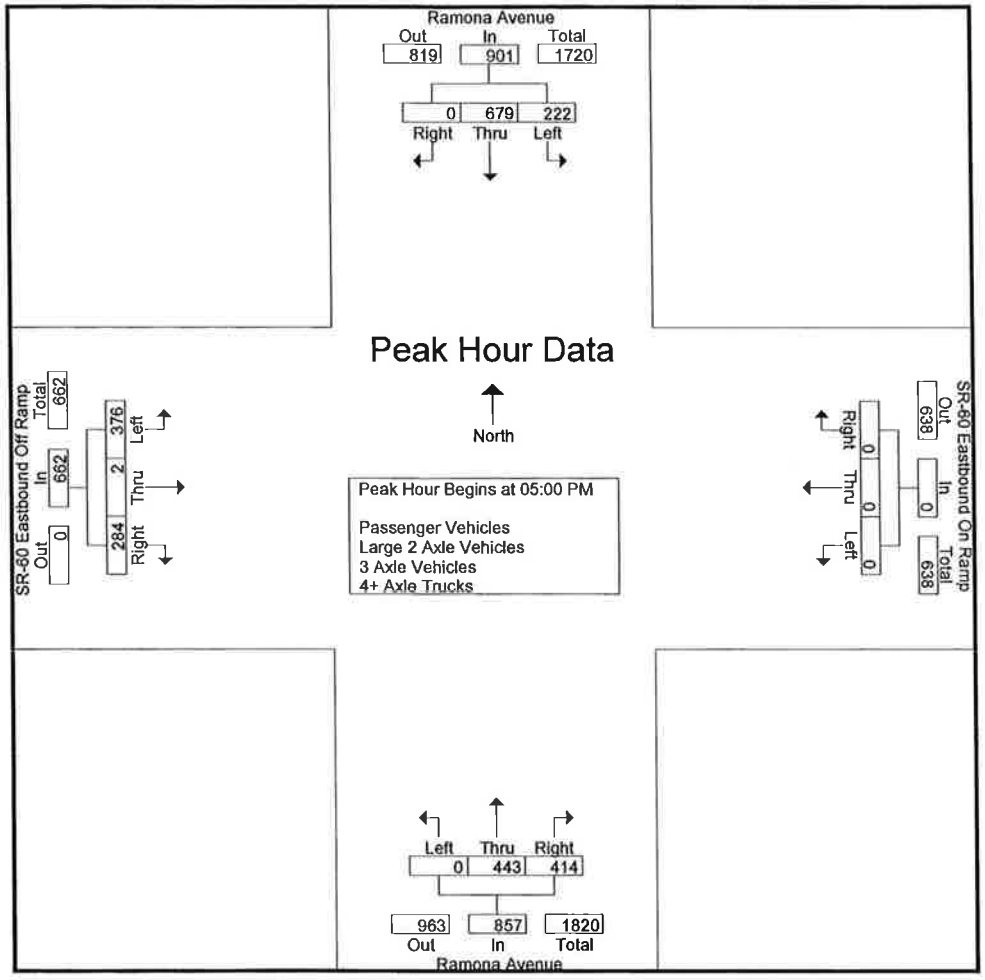

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM				04:00 PM				05:00 PM				05:00 PM			
+0 mins.	**67**	169	0	**236**	0	0	0	0	0	**121**	**109**	**230**	83	0	71	154
+15 mins.	49	**184**	0	233	0	0	0	0	0	104	106	210	**105**	0	**78**	**183**
+30 mins.	57	161	0	218	0	0	0	0	0	104	109	213	98	0	75	173
+45 mins.	49	165	0	214	0	0	0	0	0	114	90	204	90	**2**	60	152
Total Volume	222	679	0	901	0	0	0	0	0	443	414	857	376	2	284	662
% App. Total	24.6	75.4	0		0	0	0		0	51.7	48.3		56.8	0.3	42.9	
PHF	.828	.923	.000	.954	.000	.000	.000	.000	.000	.915	.950	.932	.895	.250	.910	.904

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of Chino
N/S: Ramona Avenue
E/W: SR-60 Eastbound On/Off Ramps
Weather: Sunny

File Name : CHRA60EPM
Site Code : 04120897
Start Date : 5/14/2008
Page No : 1

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

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	60	137	0	197	0	0	0	0	0	103	107	210	80	1	54	135	542
04:15 PM	63	147	0	210	0	0	0	0	0	116	113	229	68	1	60	129	568
04:30 PM	57	144	0	201	0	0	0	0	0	91	98	189	59	0	68	127	517
04:45 PM	52	154	0	206	0	0	0	0	0	107	91	198	82	0	67	149	553
Total	232	582	0	814	0	0	0	0	0	417	409	826	289	2	249	540	2180
05:00 PM	67	169	0	236	0	0	0	0	0	121	109	230	83	0	71	154	620
05:15 PM	49	184	0	233	0	0	0	0	0	104	106	210	105	0	78	183	626
05:30 PM	57	161	0	218	0	0	0	0	0	104	109	213	98	0	75	173	604
05:45 PM	49	165	0	214	0	0	0	0	0	114	90	204	90	2	60	152	570
Total	222	679	0	901	0	0	0	0	0	443	414	857	376	2	284	662	2420
Grand Total	454	1261	0	1715	0	0	0	0	0	860	823	1683	665	4	533	1202	4600
Apprch %	26.5	73.5	0		0	0	0		0	51.1	48.9		55.3	0.3	44.3		
Total %	9.9	27.4	0	37.3	0	0	0	0	0	18.7	17.9	36.6	14.5	0.1	11.6	26.1	
Passenger Vehicles	445	1237	0	1682	0	0	0	0	0	842	812	1654	653	2	532	1187	4523
% Passenger Vehicles	98	98.1	0	98.1	0	0	0	0	0	97.9	98.7	98.3	98.2	50	99.8	98.8	98.3
Large 2 Axle Vehicles	4	16	0	20	0	0	0	0	0	12	6	18	6	1	1	8	46
% Large 2 Axle Vehicles	0.9	1.3	0	1.2	0	0	0	0	0	1.4	0.7	1.1	0.9	25	0.2	0.7	1
3 Axle Vehicles	4	3	0	7	0	0	0	0	0	3	2	5	1	1	0	2	14
% 3 Axle Vehicles	0.9	0.2	0	0.4	0	0	0	0	0	0.3	0.2	0.3	0.2	25	0	0.2	0.3
4+ Axle Trucks	1	5	0	6	0	0	0	0	0	3	3	6	5	0	0	5	17
% 4+ Axle Trucks	0.2	0.4	0	0.3	0	0	0	0	0	0.3	0.4	0.4	0.8	0	0	0.4	0.4

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. 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	**67**	169	0	**236**	0	0	0	0	0	**121**	**109**	**230**	83	0	71	154	620
05:15 PM	49	**184**	0	233	0	0	0	0	0	104	106	210	**105**	0	**78**	**183**	**626**
05:30 PM	57	161	0	218	0	0	0	0	0	104	109	213	98	0	75	173	604
05:45 PM	49	165	0	214	0	0	0	0	0	114	90	204	90	**2**	60	152	570
Total Volume	222	679	0	901	0	0	0	0	0	443	414	857	376	2	284	662	2420
% App. Total	24.6	75.4	0		0	0	0		0	51.7	48.3		56.8	0.3	42.9		
PHF	.828	.923	.000	.954	.000	.000	.000	.000	.000	.915	.950	.932	.895	.250	.910	.904	.966

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of Chino
N/S: Ramona Avenue
E/W: SR-60 Eastbound On/Off Ramps
Weather: Sunny

File Name : CHRA60EPM
Site Code : 04120897
Start Date : 5/14/2008
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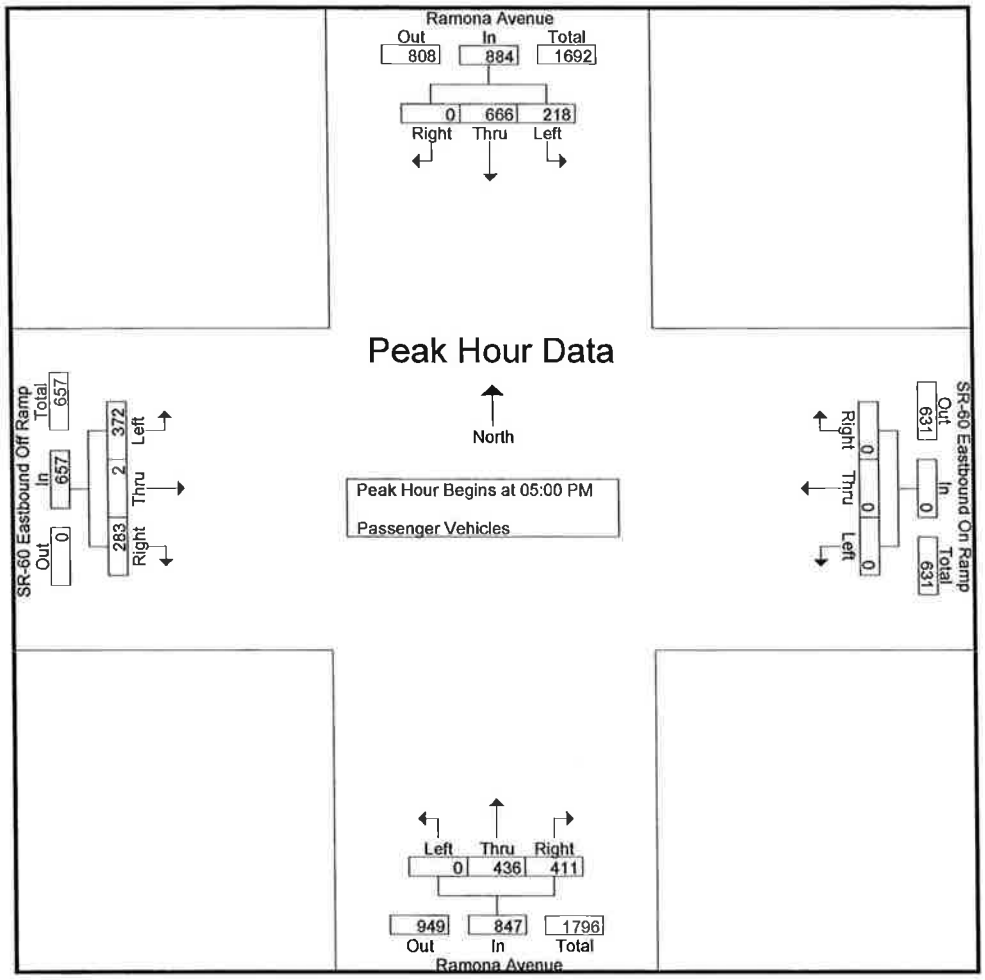

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM				04:00 PM				05:00 PM				05:00 PM			
+0 mins.	**67**	164	0	**231**	0	0	0	0	0	**117**	**109**	**226**	82	0	70	152
+15 mins.	49	**180**	0	229	0	0	0	0	0	103	104	207	**103**	0	**78**	**181**
+30 mins.	55	160	0	215	0	0	0	0	0	103	108	211	97	0	75	172
+45 mins.	47	162	0	209	0	0	0	0	0	113	90	203	90	**2**	60	152
Total Volume	218	666	0	884	0	0	0	0	0	436	411	847	372	2	283	657
% App. Total	24.7	75.3	0		0	0	0		0	51.5	48.5		56.6	0.3	43.1	
PHF	.813	.925	.000	.957	.000	.000	.000	.000	.000	.932	.943	.937	.903	.250	.907	.907

Counts Unlimited Inc.
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Moreno Valley, CA 92557
951-485-7934

City of Chino
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E/W: SR-60 Eastbound On/Off Ramps
Weather: Sunny

File Name : CHRA60EPM
Site Code : 04120897
Start Date : 5/14/2008
Page No : 1

Groups Printed- Passenger Vehicles

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	59	134	0	193	0	0	0	0	0	101	105	206	77	0	54	131	530
04:15 PM	60	145	0	205	0	0	0	0	0	114	110	224	65	0	60	125	554
04:30 PM	57	141	0	198	0	0	0	0	0	87	97	184	58	0	68	126	508
04:45 PM	51	151	0	202	0	0	0	0	0	104	89	193	81	0	67	148	543
Total	227	571	0	798	0	0	0	0	0	406	401	807	281	0	249	530	2135
05:00 PM	67	164	0	231	0	0	0	0	0	117	109	226	82	0	70	152	609
05:15 PM	49	180	0	229	0	0	0	0	0	103	104	207	103	0	78	181	617
05:30 PM	55	160	0	215	0	0	0	0	0	103	108	211	97	0	75	172	598
05:45 PM	47	162	0	209	0	0	0	0	0	113	90	203	90	2	60	152	564
Total	218	666	0	884	0	0	0	0	0	436	411	847	372	2	283	657	2388
Grand Total	445	1237	0	1682	0	0	0	0	0	842	812	1654	653	2	532	1187	4523
Apprch %	26.5	73.5	0		0	0	0		0	50.9	49.1		55	0.2	44.8		
Total %	9.8	27.3	0	37.2	0	0	0	0	0	18.6	18	36.6	14.4	0	11.8	26.2	

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. 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	**67**	164	0	**231**	0	0	0	0	0	**117**	**109**	**226**	82	0	70	152	609
05:15 PM	49	**180**	0	229	0	0	0	0	0	103	104	207	**103**	0	**78**	**181**	**617**
05:30 PM	55	160	0	215	0	0	0	0	0	103	108	211	97	0	75	172	598
05:45 PM	47	162	0	209	0	0	0	0	0	113	90	203	90	**2**	60	152	564
Total Volume	218	666	0	884	0	0	0	0	0	436	411	847	372	2	283	657	2388
% App. Total	24.7	75.3	0		0	0	0		0	51.5	48.5		56.6	0.3	43.1		
PHF	.813	.925	.000	.957	.000	.000	.000	.000	.000	.932	.943	.937	.903	.250	.907	.907	.968

Counts Unlimited Inc.
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City of Chino
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File Name : CHRA60EPM
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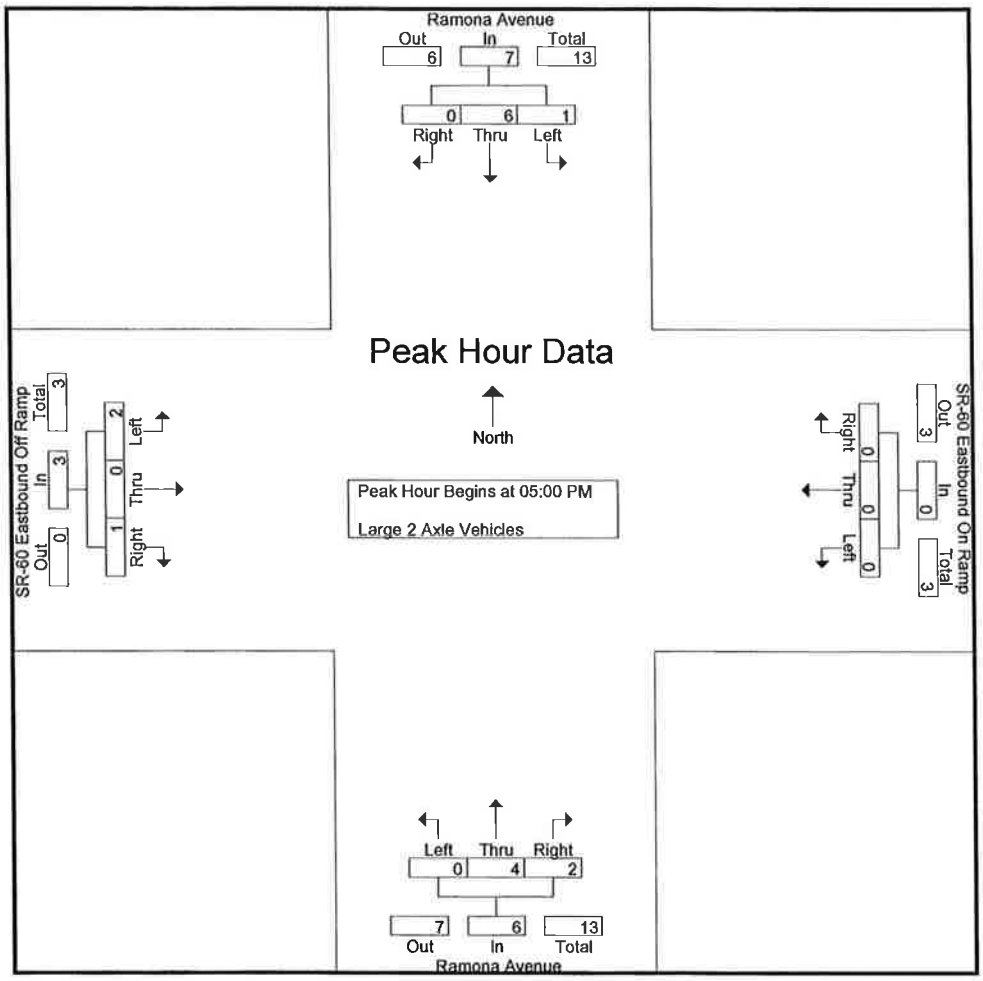

Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	0	2	0	2	0	0	0	0	0	2	0	2	1	0	1	2
+15 mins.	0	1	0	1	0	0	0	0	0	1	1	2	1	0	0	1
+30 mins.	1	1	0	2	0	0	0	0	0	1	1	2	0	0	0	0
+45 mins.	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	1	6	0	7	0	0	0	0	0	4	2	6	2	0	1	3
% App. Total	14.3	85.7	0		0	0	0		0	66.7	33.3		66.7	0	33.3	
PHF	.250	.750	.000	.875	.000	.000	.000	.000	.000	.500	.500	.750	.500	.000	.250	.375

Counts Unlimited Inc.
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951-485-7934

City of Chino
N/S: Ramona Avenue
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Weather: Sunny

File Name : CHRA60EPM
Site Code : 04120897
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Groups Printed- Large 2 Axle Vehicles

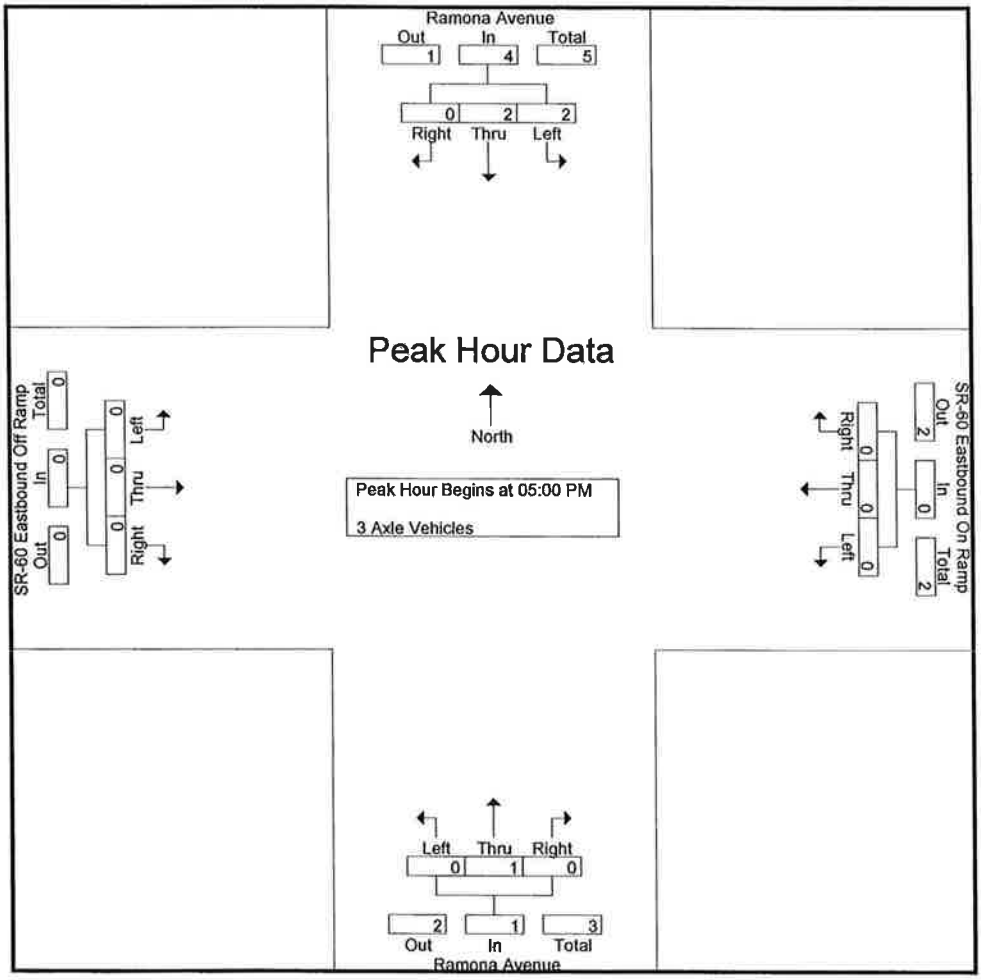
	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	1	3	0	4	0	0	0	0	0	1	1	2	1	0	0	1	7
04:15 PM	1	2	0	3	0	0	0	0	0	1	1	2	2	1	0	3	8
04:30 PM	0	3	0	3	0	0	0	0	0	4	1	5	0	0	0	0	8
04:45 PM	1	2	0	3	0	0	0	0	0	2	1	3	1	0	0	1	7
Total	3	10	0	13	0	0	0	0	0	8	4	12	4	1	0	5	30
05:00 PM	0	2	0	2	0	0	0	0	0	2	0	2	1	0	1	2	6
05:15 PM	0	1	0	1	0	0	0	0	0	1	1	2	1	0	0	1	4
05:30 PM	1	1	0	2	0	0	0	0	0	1	1	2	0	0	0	0	4
05:45 PM	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	1	6	0	7	0	0	0	0	0	4	2	6	2	0	1	3	16
Grand Total	4	16	0	20	0	0	0	0	0	12	6	18	6	1	1	8	46
Apprch %	20	80	0		0	0	0		0	66.7	33.3		75	12.5	12.5		
Total %	8.7	34.8	0	43.5	0	0	0	0	0	26.1	13	39.1	13	2.2	2.2	17.4	

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	**2**	0	**2**	0	0	0	0	0	**2**	0	**2**	**1**	0	**1**	**2**	**6**
05:15 PM	0	1	0	1	0	0	0	0	0	1	**1**	2	**1**	0	0	1	4
05:30 PM	**1**	1	0	2	0	0	0	0	0	1	1	2	0	0	0	0	4
05:45 PM	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Total Volume	1	6	0	7	0	0	0	0	0	4	2	6	2	0	1	3	16
% App. Total	14.3	85.7	0		0	0	0		0	66.7	33.3		66.7	0	33.3		
PHF	.250	.750	.000	.875	.000	.000	.000	.000	.000	.500	.500	.750	.500	.000	.250	.375	.667

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of Chino
N/S: Ramona Avenue
E/W: SR-60 Eastbound On/Off Ramps
Weather: Sunny

File Name : CHRA60EPM
Site Code : 04120897
Start Date : 5/14/2008
Page No : 2



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

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+15 mins.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+45 mins.	2	1	0	3	0	0	0	0	0	1	0	1	0	0	0	0
Total Volume	2	2	0	4	0	0	0	0	0	1	0	1	0	0	0	0
% App. Total	50	50	0		0	0	0		0	100	0		0	0	0	
PHF	.250	.500	.000	.333	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of Chino
N/S: Ramona Avenue
E/W: SR-60 Eastbound On/Off Ramps
Weather: Sunny

File Name : CHRA60EPM
Site Code : 04120897
Start Date : 5/14/2008
Page No : 1

Groups Printed- 3 Axle Vehicles

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	2	4
04:15 PM	2	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	3
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	2
Total	2	1	0	3	0	0	0	0	0	2	2	4	1	1	0	2	9
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	2	1	0	3	0	0	0	0	0	1	0	1	0	0	0	0	4
Total	2	2	0	4	0	0	0	0	0	1	0	1	0	0	0	0	5
Grand Total	4	3	0	7	0	0	0	0	0	3	2	5	1	1	0	2	14
Apprch %	57.1	42.9	0		0	0	0		0	60	40		50	50	0		
Total %	28.6	21.4	0	50	0	0	0	0	0	21.4	14.3	35.7	7.1	7.1	0	14.3	

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	2	1	0	3	0	0	0	0	0	1	0	1	0	0	0	0	4
Total Volume	2	2	0	4	0	0	0	0	0	1	0	1	0	0	0	0	5
% App. Total	50	50	0		0	0	0		0	100	0		0	0	0		
PHF	.250	.500	.000	.333	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.313

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of Chino
N/S: Ramona Avenue
E/W: SR-60 Eastbound On/Off Ramps
Weather: Sunny

File Name : CHRA60EPM
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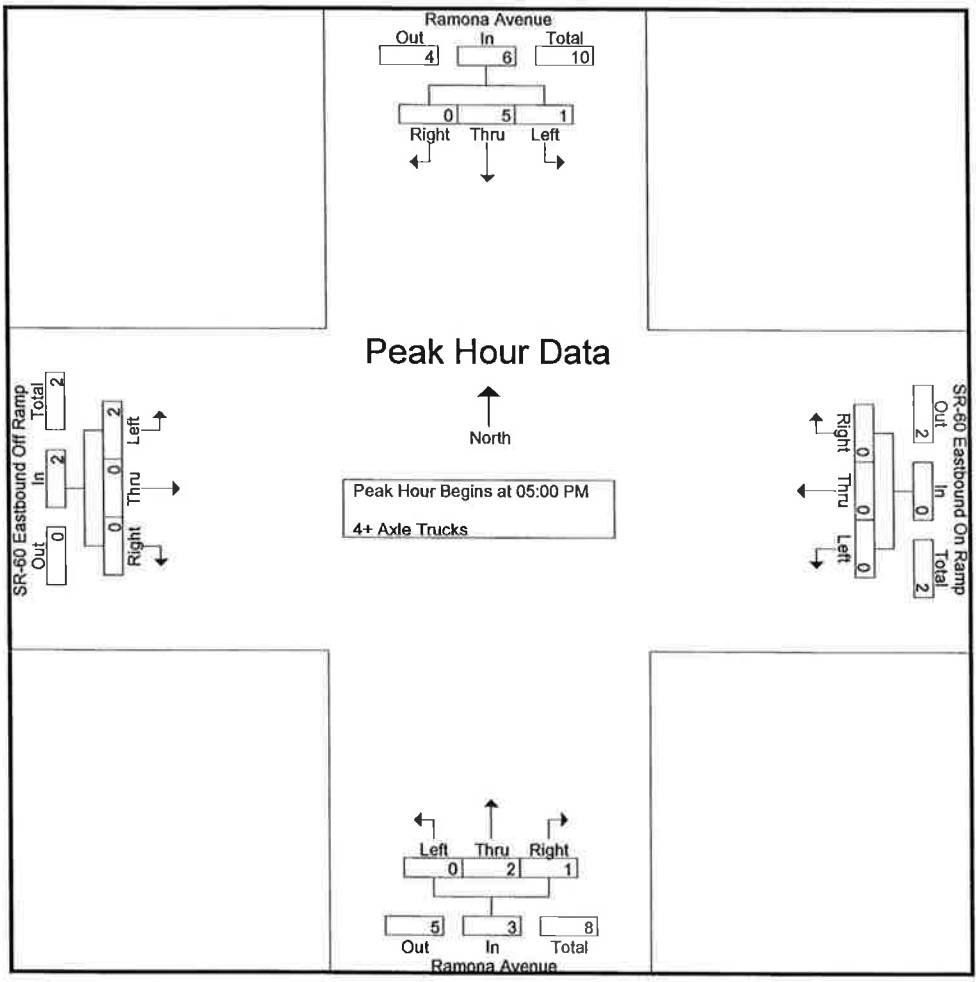

Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	0	3	0	3	0	0	0	0	0	2	0	2	0	0	0	0
+15 mins.	0	2	0	2	0	0	0	0	0	0	1	1	1	0	0	1
+30 mins.	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1
+45 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	1	5	0	6	0	0	0	0	0	2	1	3	2	0	0	2
% App. Total	16.7	83.3	0		0	0	0		0	66.7	33.3		100	0	0	
PHF	.250	.417	.000	.500	.000	.000	.000	.000	.000	.250	.250	.375	.500	.000	.000	.500

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of Chino
N/S: Ramona Avenue
E/W: SR-60 Eastbound On/Off Ramps
Weather: Sunny

File Name : CHRA60EPM
Site Code : 04120897
Start Date : 5/14/2008
Page No : 1

Groups Printed- 4+ Axle Trucks

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
04:15 PM	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	1	3
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
04:45 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	1	2	3	3	0	0	3	6
05:00 PM	0	3	0	3	0	0	0	0	0	2	0	2	0	0	0	0	5
05:15 PM	0	2	0	2	0	0	0	0	0	0	1	1	1	0	0	1	4
05:30 PM	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	5	0	6	0	0	0	0	0	2	1	3	2	0	0	2	11
Grand Total	1	5	0	6	0	0	0	0	0	3	3	6	5	0	0	5	17
Apprch %	16.7	83.3	0		0	0	0		0	50	50		100	0	0		
Total %	5.9	29.4	0	35.3	0	0	0	0	0	17.6	17.6	35.3	29.4	0	0	29.4	

	Ramona Avenue Southbound				SR-60 Eastbound On Ramp Westbound				Ramona Avenue Northbound				SR-60 Eastbound Off Ramp Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	**3**	0	**3**	0	0	0	0	0	**2**	0	**2**	0	0	0	0	**5**
05:15 PM	0	2	0	2	0	0	0	0	0	0	**1**	1	**1**	0	0	**1**	4
05:30 PM	**1**	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	1	5	0	6	0	0	0	0	0	2	1	3	2	0	0	2	11
% App. Total	16.7	83.3	0		0	0	0		0	66.7	33.3		100	0	0		
PHF	.250	.417	.000	.500	.000	.000	.000	.000	.000	.250	.250	.375	.500	.000	.000	.500	.550

WEBSTER

WEbster Based Signal Timing Evaluation Routine

For Capacity and Level of Service Analysis Using HCM 2000 Control Delay

Existing Traffic with Existing Lane Geometrics

60 EB at Ramona | **KOA** | **AM Peak Hour**

Input

Movement Times	Eastbound			Westbound			Northbound			Southbound		
	L	*T*	R	L	T	R	L	*T*	R	*L*	T	R
Movement 1: 20 secs	X	X	X									
Movement 2: 19 secs										X		
Movement 3: 24 secs								X	X		X	
Movement 4: 0 secs												
Movement 5: 0 secs												
Movement 6: 0 secs												
# of Lanes (#, S, P)	S	1	1					2	S	1	2	
Unadjusted Volume	185	10	113					442	389	327	651	
Peak Hour Factor (PHF)	0.95	0.95	0.95					0.95	0.95	0.95	0.95	
Growth Factor (%)												
Project Trip Volume (vph)												
Sat. Flow Override (vph)	Shrd								Shrd			
Min. Time or Ped. Time	10	20	20					20	20	10	20	
Permissive Veh/Cycle												
Progression Adj. Factor (PAF)	-	1.00	1.00					1.00	-	1.00	1.00	

Parameter Values (using default set 'SANBAG (Existing)')

	Other	Default
Duration of Peak Period (min)		15
Lost Time (sec)		2
Min. Time (Left Turns, sec)		10
Min/Ped Time (Thru Lanes, sec)		20
Sat Flow (1 Left lane, vphg)	1700	1800
Sat Flow (2 Left lanes, vphg)	3200	3500
Sat Flow (1 Thru lane, vphg)	1800	1900
Sat Flow (1 Right lane, vphg)		1800
Vehicle Length (feet)		20

Output

		***						***		***		
Pk. Hr. Vol. (vph)	195	11	119					465	409	344	685	
Saturation Flow (vph)	Shrd	1800	1800					3600	Shrd	1700	3600	
X or V/C	-	0.40	0.23					0.70	-	0.75	0.54	
Effective green (sec)	-	18	18					22	-	17	22	
Split Time (sec)	-	20	20					24	-	19	24	
Min. Time or Ped. Time (sec)	-	20	20					20	-	10	20	
Delay - 15 min pk (sec/veh)	-	20	18					21	-	32	18	
Level of Service (LOS)	-	C+	B					C+	-	C-	B	
Average 'Q' (veh/ln)	-	3	1					5	-	5	4	
Design 'Q'- ft/ln	-	100	40					160	-	160	120	
Do Vehicles Clear?	-	YES	YES					YES	-	YES	YES	

Summary

Whole Intersection

Weighted Avg Delay (sec) = 22
Level of Service - LOS = C+

Critical Movements

Weighted Avg Delay (sec) = 23
Level of Service - LOS = C+
Intersection Capacity Utilization - ICU = 0.62

Required Cycle Length is 63 sec

Min./Ped. Times Satisfied

WEBSTER

WEbster Based Signal Timing Evaluation Routine

For Capacity and Level of Service Analysis Using HCM 2000 Control Delay

Existing Traffic with Existing Lane Geometrics

60 EB at Ramona | **KOA** | **PM Peak Hour**

Input

	Eastbound			Westbound			Northbound			Southbound		
Movement Times	L	*T*	R	L	T	R	L	*T*	R	*L*	T	R
Movement 1: 20 secs	X	X	X									
Movement 2: 12 secs										X		
Movement 3: 20 secs								X	X		X	
Movement 4: 0 secs												
Movement 5: 0 secs												
Movement 6: 0 secs												
# of Lanes (#, S, P)	S	1	1					2	S	1	2	
Unadjusted Volume	381	10	285					450	417	227	694	
Peak Hour Factor (PHF)	0.95	0.95	0.95					0.95	0.95	0.95	0.95	
Growth Factor (%)												
Project Trip Volume (vph)												
Sat. Flow Override (vph)	Shrd								Shrd			
Min. Time or Ped. Time	10	20	20					20	20	10	20	
Permissive Veh/Cycle												
Progression Adj. Factor (PAF)	-	1.00	1.00					1.00	-	1.00	1.00	

Parameter Values (using default set 'SANBAG (Existing)')

	Other	Default
Duration of Peak Period (min)		15
Lost Time (sec)		2
Min. Time (Left Turns, sec)		10
Min/Ped Time (Thru Lanes, sec)		20
Sat Flow (1 Left lane, vphg)	1700	1800
Sat Flow (2 Left lanes, vphg)	3200	3500
Sat Flow (1 Thru lane, vphg)	1800	1900
Sat Flow (1 Right lane, vphg)		1800
Vehicle Length (feet)		20

Output

	***						***		***			
Pk. Hr. Vol. (vph)	401	11	300					474	439	239	731	
Saturation Flow (vph)	Shrd	1800	1800					3600	Shrd	1700	3600	
X or V/C	-	0.66	0.48					0.73	-	0.73	0.59	
Effective green (sec)	-	18	18					18	-	10	18	
Split Time (sec)	-	20	20					20	-	12	20	
Min. Time or Ped. Time (sec)	-	20	20					20	-	10	20	
Delay - 15 min pk (sec/veh)	-	20	16					19	-	33	16	
Level of Service (LOS)	-	B	B					B	-	C-	B	
Average 'Q' (veh/ln)	-	4	3					4	-	3	3	
Design 'Q'- ft/ln	-	120	100					120	-	100	100	
Do Vehicles Clear?	-	YES	YES					YES	-	YES	YES	

Summary

Whole Intersection

Weighted Avg Delay (sec) = 19
Level of Service - LOS = B

Critical Movements

Weighted Avg Delay (sec) = 21
Level of Service - LOS = C+
Intersection Capacity Utilization - ICU = 0.70

Required Cycle Length is 52 sec

Min./Ped. Times Satisfied