

Appendix A-6

2011 Peak Period Turning Movement Counts



Traffic count at Carp - Highway 417 WB off-ramp April 21 AM and April 14 PM

Automobiles

	Carp SB			Carp NB			417 WB ramp		
	R	T	L	R	T	L	R	T	L
7:00		93	2	10	39	0	53	0	56
7:15		93	3	10	59	0	62	0	59
7:30		115	2	15	54	0	54	0	76
7:45		107	2	13	62	0	51	0	120
8:00		111	2	14	51	0	35	0	94
8:15		96	4	16	59	0	45	0	103
8:30		93	2	11	56	0	28	0	102

Peak 7:30

	429	10	58	226		185		393
Total volume	497	20	64	259		207		428
Truck %	14%	50%	9%	13%		11%		8%

3:00

	92	8	24	54	0	51	0	133
3:15		69	4	31	40	0	48	0
3:30		108	11	36	61	0	48	0
3:45		79	7	28	61	0	57	0
4:00		128	19	41	62	0	41	0
4:15		120	12	39	55	0	47	0
4:30		136	25	35	56	0	44	0
4:45		126	17	25	59	0	58	0
5:00		127	11	35	61	0	48	0
5:15		96	13	43	64	0	50	0
5:30		79	10	34	57	0	71	0

Peak 4:30

	485	66	138	240		200		864
Total volume	513	70	140	273		224		887
Truck %	5%	6%	1%	12%		11%		3%

Heavy Trucks

	Carp SB			Carp NB			417 WB ramp		
	R	T	L	R	T	L	R	T	L
7:00		22	3	1	7	0	7	0	3
7:15		16	1	1	6	0	10	0	5
7:30		19	3	3	8	0	5	0	12
7:45		12	5	0	9	0	6	0	6
8:00		20	1	2	8	0	6	0	9
8:15		17	1	1	8	0	5	0	8
8:30		13	4	3	12	0	5	0	11

Peak 7:30

	68	10	6	33		22		35
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3:00

	19	2	0	7	0	11	0	7
3:15		17	3	4	11	0	10	0
3:30		10	4	0	2	0	19	0
3:45		8	2	1	16	0	13	0
4:00		12	1	1	11	0	10	0
4:15		8	3	1	11	0	10	0
4:30		9	2	0	11	0	5	0
4:45		11	2	0	6	0	8	0
5:00		7	0	0	5	0	8	0
5:15		1	0	2	11	0	3	0
5:30		6	0	0	2	0	7	0

Peak 4:30

	28	4	2	33		24		23
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Traffic count at Carp and Highway 417 EB off-ramp on April 14 AM and April 18 PM

Automobiles

	Carp SB			Carp NB			417 EB ramp		
	R	T	L	R	T	L	R	T	L
7:00	71	76	0	184	44	0	25	0	12
7:15	71	89	0	204	41	0	33	0	15
7:30	70	113	0	210	54	0	34	0	17
7:45	60	164	0	203	68	0	42	0	15
8:00	58	138	0	194	65	0	27	0	10
8:15	69	125	0	193	60	0	31	0	8
8:30	50	128	0	153	40	0	24	0	4

Peak 7:30	257	540		800	247		134		50
Total volume	303	601		831	289		139		59
Truck %	15%	10%		4%	15%		4%		15%

3:30	54	219	0	80	64	0	14	0	1
3:45	40	237	0	90	96	0	21	0	2
4:00	71	231	0	94	99	0	13	0	4
4:15	60	272	0	104	79	0	9	0	2
4:30	65	261	0	115	104	0	11	0	1
4:45	61	237	0	121	81	0	13	0	6
5:00	68	256	0	142	101	0	16	0	2
5:15	58	301	0	108	91	0	13	0	3
5:30	42	246	0	139	62	0	11	0	2
5:45	0	0	0	0	0	0	0	0	0

Peak 4:30	252	1055		486	377		53		12
Total volume	271	1090		497	406		57		17
Truck %	7%	3%		2%	7%		7%		29%

Heavy Trucks

	Carp SB			Carp NB			417 EB ramp		
	R	T	L	R	T	L	R	T	L
7:00	14	19	0	10	10	0	0	0	1
7:15	12	10	0	8	4	0	1	0	2
7:30	15	15	0	8	6	0	1	0	3
7:45	10	18	0	6	14	0	1	0	3
8:00	8	14	0	7	9	0	2	0	2
8:15	13	14	0	10	13	0	1	0	1
8:30	15	14	0	8	9	0	0	0	3

Peak 7:30	46	61	0	31	42	0	5	0	9
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3:30	12	17	0	9	6	0	0	0	5
3:45	10	14	0	5	11	0	1	0	1
4:00	6	13	0	4	11	0	0	0	0
4:15	8	12	0	2	15	0	1	0	0
4:30	10	15	0	3	11	0	1	0	2
4:45	5	8	0	5	5	0	2	0	1
5:00	2	6	0	1	8	0	0	0	1
5:15	2	6	0	2	5	0	1	0	1
5:30	3	4	0	3	2	0	1	0	1
5:45	0	0	0	0	0	0	0	0	0

Peak 4:30	19	35	0	11	29	0	4	0	5
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Traffic count at Carp- Richardson Side Road intersection April 5 PM and April 6 AM

Automobiles

	Carp SB			Carp NB			Richardson EB			Richardson WB		
	R	T	L	R	T	L	R	T	L	R	T	L
6:30	2	49	9	15	47	16	34	9	1	6	8	3
7:00	1	51	11	5	57	25	48	15	0	9	7	3
7:15	2	61	8	3	62	13	49	23	2	5	6	4
7:30	2	62	17	9	78	8	54	23	5	10	3	2
7:45	0	54	12	12	67	14	52	23	2	3	3	10
8:00	2	63	12	14	95	21	46	26	8	11	3	7
8:15	3	66	10	17	58	19	49	20	1	3	8	9
8:30	0	62	11	20	54	25	35	17	0	8	7	7
8:45	2	45	9	15	55	13	23	13	4	9	4	8
Peak 7:30	6	238	50	51	291	62	195	89	16	27	16	28
Total volume	8	274	57	52	324	70	207	105	17	28	22	29
Truck %	25%	13%	12%	2%	10%	11%	6%	15%	6%	4%	27%	3%
3:00	2	51	8	7	64	28	23	6	0	9	17	4
3:15	4	50	13	3	74	36	26	7	2	9	13	8
3:30	4	101	10	3	72	26	17	5	1	14	11	11
3:45	5	62	2	11	74	33	24	6	3	11	25	4
4:00	2	103	8	10	72	36	23	17	4	15	16	6
4:15	3	84	6	8	57	36	24	18	6	21	29	9
4:30	2	66	21	15	70	38	18	14	1	16	24	20
4:45	3	82	13	5	52	39	26	13	3	12	24	12
5:00	6	93	19	12	56	41	20	14	2	17	28	20
5:15	4	54	16	13	60	38	19	9	1	28	26	16
5:30	3	64	6	7	45	36	29	9	4	19	20	15
5:45	0	26	7	4	47	38	18	6	1	12	21	16

Peak 4:15

Peak 4:15	10	327	48	35	245	147	91	60	14	63	91	47
Total volume	11	349	49	38	267	171	93	64	15	65	111	47
Truck %	9%	6%	2%	8%	8%	14%	2%	6%	7%	3%	18%	0%

Traffic count at Carp- Richardson Side Road intersection April 5 PM and April 6 AM

Heavy Trucks

	Carp SB				Carp NB				Richardson EB				Richardson WB			
	R	T	L		R	T	L		R	T	L		R	T	L	
6:30	0	8	2		0	3	1		5	4	2		0	0	1	
7:00	0	14	6		0	3	0		6	3	1		0	1	2	
7:15	1	4	1		2	7	0		9	10	3		0	0	1	
7:30	1	8	1		0	2	3		2	3	0		0	1	1	
7:45	0	7	4		0	9	0		3	8	0		0	0	0	
8:00	0	9	1		0	9	2		0	2	1		1	4	0	
8:15	0	5	0		0	6	3		1	0	0		0	0	0	
8:30	0	8	0		1	10	2		3	1	0		1	1	1	
8:45	0	5	0		0	7	7		2	1	1		0	0	0	
Peak 7:30	1	29	6		0	26	8		6	13	1		1	5	1	
3:00	0	6	0		0	10	3		0	0	0		0	0	0	
3:15	0	5	1		0	12	3		2	0	0		1	1	0	
3:30	0	8	0		0	13	2		2	0	0		1	1	0	
3:45	0	10	0		0	6	6		0	0	0		0	3	0	
4:00	0	5	0		0	4	11		0	0	0		0	5	0	
4:15	0	6	1		0	4	5		0	0	1		0	10	0	
4:30	0	0	0		0	5	2		0	0	0		0	3	0	
4:45	1	3	0		0	3	4		2	2	0		1	0	0	
5:00	0	1	0		0	2	1		0	0	0		1	2	0	
5:15	0	1	0		0	1	2		0	0	0		1	1	0	
5:30	0	0	0		0	3	0		0	0	0		0	1	0	
5:45	0	0	0		0	2	0		1	0	0		0	0	0	
Peak 4:15	1	14	1		0	16	22		2	2	1		1	18	0	