

## **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

				3	5	12	9	6	∞	11	35				7	<sub>∞</sub>	12	11	11	9	<b>&amp;</b>	5	4	9	4		23		
		amp	Γ							_	(1)						_	7	,							}			
	417	WB ramp	⊢	0	0	0	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0				
			R	7	10	2	9	9	2	2	22				11	10	19	13	10	10	2	∞	∞	3	7		24		
			Γ	0	0	0	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0				
	Carp	NB	T	7	9	8	6	8	8	12	33				7	11	2	16	11	11	11	9	5	11	2		33		
			R	1	1	3	0	2	1	3	9				0	4	0	1	1	1	0	0	0	2	0		2		
				3	1	3	5	1	1	4	10				2	3	4	2	1	3	2	2	0	0	0		4		
rucks	Carp	SB		22	16	19	12	20	17	13	89				19	17	10	8	12	8	6	11	7	1	9		28		
Heavy Trucks			R -																										
-		!	L.	7:00	7:15	7:30	7:45	8:00	8:15	8:30	Peak 7:30			ļ	3:00	3:15	3:30	3:45	4:00	4:15	4:30	4:45	5:00	5:15	5:30		Peak 4:30		
											Pea																Pea		
		Ф	١	99	59	76	120	94	103	102	393	428	8%		133	148	162	161	174	164	229	215	204	216	190		864	887	3%
	417	WB ramp		0	0	0	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0				
			_	53	62	54	51	35	45	28	185	207	11%		51	48	48	57	41	47	44	28	48	20	71		200	224	11%
			R	0	0	0	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0				
	Carp	NB	1	39	59	54	62	51	59	99	226	259	13%		54	40	61	61	62	55	99	59	61	64	57		240	273	12%
			_	10	10	15	13	14	16	11	58	64	%6		24	31	36	28	41	39	35	25	35	43	34		138	140	1%
			R	2	3	2	2	2	4	2	10	20	20%		8	4	11	7	19	12	25	17	11	13	10		99	20	%9
les	Carp	SB	7	93	93	115	107	111	96	93	429	497	14%		92	69	108	79	128	120	136	126	127	96	79		485	513	2%
Automobiles			_										, 1																
Au			~	7:00	7:15	7:30	7:45	8:00	8:15	8:30	Peak 7:30	Total volume	Truck %		3:00	3:15	3:30	3:45	4:00	4:15	4:30	4:45	2:00	5:15	5:30		Peak 4:30	Total volume	Truck %

Traffic count at Carp and Highway 417 EB off-ramp on April 14 AM and April 18 PM

Truck         Heavy Trucks         Heavy Trucks         Fig. 17         Include Trucks         All the fig. 12         Include Trucks         Includ												_				_										_	 $\overline{}$
Carp   Carp   Carp   EB ramp   Carp   Carb   Carp   Carb   Carp   Carb   Carb					1	2	3	3	2	1	3		6				5	1	0	0	2	1	1	П	1	0	2
Carp   Carp   Carp   EB ramp   Carp   Carb   Carp   Carb   Carp   Carb   Carb		417	B ramp	_	0	0	0	0	0	0	0	Ī	0				0	0	0	0	0	0	0	0	0	0	0
Carp   SB   Carp   A17   Carp   A17   Carp   Carp			В		0	1	1	1	2	1	0		2			Ì	0	1	0	1	1	2	0	Н	П	0	4
Automobiles           Carp         Carp         FB ramp         FB ramp         Carp         Carp         SB         Carp         Carp         SB         Carp         Carp         Carp         SB         Carp         Carp         Carp         SB         Carp         Carp         Carp         Carp         SB         SB         Carp         Carp         SB         Carp         Carp         SB         Carp         Carp         SB         Carp         <				В.	0	0	0	0	0	0	0		0			Ì	0	0	0	0	0	0	0	0	0	0	0
Automobiles           Carp         417         A17         Carp         Carp <td></td> <td>Carp</td> <td>NB</td> <td>1</td> <td>10</td> <td>4</td> <td>9</td> <td>14</td> <td>6</td> <td>13</td> <td>6</td> <td></td> <td>42</td> <td></td> <td></td> <td></td> <td>9</td> <td>11</td> <td>11</td> <td>15</td> <td>11</td> <td>2</td> <td>8</td> <td>5</td> <td>2</td> <td>0</td> <td>29</td>		Carp	NB	1	10	4	9	14	6	13	6		42				9	11	11	15	11	2	8	5	2	0	29
Automobiles           R         Carp         417         Resemble         Fearmple         Septemble         Fearmple         Reservant         Carp         Carp         Septemble         Reservant					10	8	8	9	7	10	<b>∞</b>		31				6	5	4	2	3	2	1	2	8	0	11
Name   Part				R	0	0	0	0	0	0	0		0				0	0	0	0	0	0	0	0	0	0	0
Carp         Carp         417           R         T         L         R         T         L           71         76         0         184         44         0         25         0         12           70         113         0         204         41         0         33         0         15           70         113         0         210         54         0         34         0         17           70         113         0         210         54         0         34         0         17           60         164         0         203         68         0         42         0         17           58         138         0         13         60         0         24         0         15           50         128         0         13         0         24         0         4         8:30           50         128         0         153         40         0         24         0         8:30           15%         10%         18         0         13         0         15           15%         10% <td>ucks</td> <td>Carp</td> <td>SB</td> <td>7 .</td> <td>19</td> <td>10</td> <td>15</td> <td>18</td> <td>14</td> <td>14</td> <td>14</td> <td></td> <td>61</td> <td></td> <td></td> <td></td> <td>17</td> <td>14</td> <td>13</td> <td>12</td> <td>15</td> <td>8</td> <td>9</td> <td>9</td> <td>4</td> <td>0</td> <td>35</td>	ucks	Carp	SB	7 .	19	10	15	18	14	14	14		61				17	14	13	12	15	8	9	9	4	0	35
Carp         Carp         417           R         T         L         R         T         L           71         76         0         184         44         0         25         0         12           70         113         0         204         41         0         33         0         15           70         113         0         210         54         0         34         0         17           70         113         0         210         54         0         34         0         17           60         164         0         203         68         0         42         0         17           58         138         0         13         60         0         24         0         15           50         128         0         13         0         24         0         4         8:30           50         128         0         153         40         0         24         0         8:30           15%         10%         18         0         13         0         15           15%         10% <td>leavy Tri</td> <td></td> <td></td> <td></td> <td>14</td> <td>12</td> <td>15</td> <td>10</td> <td>8</td> <td>13</td> <td>15</td> <td></td> <td>46</td> <td></td> <td></td> <td></td> <td>12</td> <td>10</td> <td>9</td> <td>8</td> <td>10</td> <td>5</td> <td>2</td> <td>2</td> <td>3</td> <td>0</td> <td>19</td>	leavy Tri				14	12	15	10	8	13	15		46				12	10	9	8	10	5	2	2	3	0	19
Automobiles           Carp         Carp         417           SB         NB         EB ramp           71         76         0         184         44         0         25         0         12           70         113         0         204         41         0         33         0         15           60         164         0         204         41         0         34         0         15           50         113         0         203         68         0         42         0         15           60         164         0         203         68         0         27         0         15           60         164         0         203         68         0         27         0         15           60         164         0         193         60         0         24         0         4           50         128         0         153         40         0         24         0         15%           40         23         0         13         0         24         4%         15%           54         21	I			<u>~</u>	7:00	7:15	7:30	7:45	8:00	8:15	8:30		7:30				3:30	3:45	4:00	4:15	4:30	4:45	5:00	5:15	5:30	5:45	₹4:30
Automobiles           Carp         Carp         417           SB         NB         EB ramp           71         76         0         184         44         0         25         0           71         89         0         204         41         0         33         0           70         113         0         210         54         0         34         0           60         164         0         203         68         0         42         0           58         138         0         194         65         0         27         0           69         125         0         153         40         0         24         0           59         128         0         153         60         0         24         0           50         128         0         153         40         0         24         0           50         128         0         139         60         0         24         0           40         25         10         4%         15%         4%         139         0													Peak														Peak
Carp         Carp           SB         NB           R         T         L         R           71         76         0         184         44         0         25           71         89         0         204         41         0         33           70         113         0         210         54         0         34           60         164         0         203         68         0         42           58         138         0         193         60         0         24           69         125         0         193         60         0         24           50         128         0         153         40         0         24           50         128         0         139         60         0         24           15%         10%         4%         15%         4%         134           50         10%         4%         15%         4%         134           15%         10%         4%         15%         4%         134           40         237         0         90         90 </td <td></td>																											
Carp         Carp           SB         NB           R         T         L         R           71         76         0         184         44         0         25           71         89         0         204         41         0         33           70         113         0         210         54         0         34           60         164         0         203         68         0         42           58         138         0         193         60         0         24           69         125         0         193         60         0         24           50         128         0         153         40         0         24           50         128         0         139         60         0         24           15%         10%         4%         15%         4%         134           50         10%         4%         15%         4%         134           15%         10%         4%         15%         4%         134           40         237         0         90         90 </td <td></td> <td></td> <td></td> <td></td> <td>12</td> <td>15</td> <td>17</td> <td>15</td> <td>10</td> <td>8</td> <td>4</td> <td></td> <td>50</td> <td>59</td> <td>15%</td> <td></td> <td>1</td> <td>2</td> <td>4</td> <td>2</td> <td>1</td> <td>9</td> <td>2</td> <td>e</td> <td>2</td> <td>0</td> <td>12</td>					12	15	17	15	10	8	4		50	59	15%		1	2	4	2	1	9	2	e	2	0	12
Carp         Carp           R         T         L         R         T         L           71         89         0         204         41         0           71         89         0         204         41         0           70         113         0         210         54         0           60         164         0         203         68         0           50         113         0         210         54         0           60         164         0         203         68         0           50         113         0         193         60         0           60         125         0         153         40         0           50         128         0         158         0         0           50         128         0         15%         0         0           50         10%         4%         15%         0         0           50         27         0         94         99         0           60         272         0         104         79         0           61		417	B ramp										50	59	15%												12
Automobiles  Carp SB R T 71 R 71 R 71 R 70 R 71 R 89 R 70 R 71 R 99 R 70 R 71 R 99 R 70 R 71 R 99 R 70		417	EB ramp		0	0	0	0	0	0	0						0	0	0	0	0	0	0	0	0	0	
Automobiles  Carp SB R T T Cap SB R 71 S6 00 184 70 113 00 204 70 113 00 204 70 113 00 204 70 113 00 204 70 113 00 204 70 113 00 103 58 138 00 193 50 128 00 193 50 128 00 193 50 128 00 193 50 128 00 193 60 272 00 104 60 272 00 104 60 272 00 104 60 272 00 104 60 272 00 104 60 272 00 104 60 272 00 108 42 246 00 139 00 00 255 1055 1055		417	EB ramp		25 0	33 0	34 0	42 0	27 0	31 0	24 0						14 0	21 0	13 0	0 6	11 0	13 0	16 0	13 0	11 0	0 0	
Automobiles  Carp SB R T 71 R9 00 71 89 00 71 89 00 70 113 00 60 164 00 58 138 00 69 125 00 69 125 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 272 00 60 61 237 00 60 63 256 00 63 64 64 64 60 00					0 25 0	0 33 0	0 34 0	0 42 0	0 27 0	0 31 0	0 24 0		134	139	4%		0 14 0	0 21 0	0 13 0	0 6 0	0 11 0	0 13 0	0 16 0	0 13 0	0 11 0	0 0 0	53
Automob R 71 71 71 70 60 69 50 50 50 50 50 50 50 50 50 50 50 50 50				T L R	44 0 25 0	41 0 33 0	54 0 34 0	68 0 42 0	65 0 27 0	60 0 31 0	40 0 24 0		247 134	289 139	15% 4%		64 0 14 0	96 0 21 0	99 0 13 0	0 6 0 62	104 0 11 0	81 0 13 0	101 0 16 0	91 0 13 0	62 0 11 0	0 0 0 0	377 53
Automob R 71 71 71 70 60 69 50 50 50 50 50 50 50 50 50 50 50 50 50				T L R	184 44 0 25 0	204 41 0 33 0	210 54 0 34 0	203 68 0 42 0	194 65 0 27 0	193 60 0 31 0	153 40 0 24 0		247 134	289 139	15% 4%		80 64 0 14 0	90 96 0 21 0	94 99 0 13 0	104 79 0 9 0	115 104 0 11 0	121 81 0 13 0	142 101 0 16 0	108 91 0 13 0	139 62 0 11 0	0 0 0 0 0	377 53
7:15 7:15 7:15 7:30 8:30 8:30 8:30 8:30 8:30 8:30 8:30 8	iles	Carp	NB	L R T L R	0 184 44 0 25 0	0 204 41 0 33 0	0 210 54 0 34 0	0 203 68 0 42 0	0 194 65 0 27 0	0 193 60 0 31 0	0 153 40 0 24 0		800 247 134	831 289 139	4% 15% 4%		0 80 64 0 14 0	0 90 96 0 21 0	0 94 99 0 13 0	0 104 79 0 9 0	0 115 104 0 11 0	0 121 81 0 13 0	0 142 101 0 16 0	0 108 91 0 13 0	0 139 62 0 11 0	0 0 0 0 0	486 377 53
Peak Total v	utomobiles	Carp	NB	T L R T L R	71 76 0 184 44 0 25 0	89 0 204 41 0 33 0	113 0 210 54 0 34 0	164         0         203         68         0         42         0	138 0 194 65 0 27 0	125 0 193 60 0 31 0	128 0 153 40 0 24 0	1	540 800 247 134	601 831 289 139	10% 4% 15% 4%		219 0 80 64 0 14 0	237 0 90 96 0 21 0	231 0 94 99 0 13 0	272 0 104 79 0 9 0	261 0 115 104 0 11 0	237 0 121 81 0 13 0	256 0 142 101 0 16 0	301 0 108 91 0 13 0	246 0 139 62 0 11 0	0 0 0 0 0 0	1055 486 377 53
	Automobiles	Carp	NB	T L R T L R	71 76 0 184 44 0 25 0	71 89 0 204 41 0 33 0	70 113 0 210 54 0 34 0	60 164 0 203 68 0 42 0	58 138 0 194 65 0 27 0	69 125 0 193 60 0 31 0	50 128 0 153 40 0 24 0		257 540 800 247 134	303 601 831 289 139	15% 10% 4% 15% 4%		54 219 0 80 64 0 14 0	40 237 0 90 96 0 21 0	71 231 0 94 99 0 13 0	60 272 0 104 79 0 9 0	65 261 0 115 104 0 11 0	61 237 0 121 81 0 13 0	68 256 0 142 101 0 16 0	58 301 0 108 91 0 13 0	42 246 0 139 62 0 11 0	0 0 0 0 0 0 0	252 1055 486 377 53

29% 12

53 57 7%

406 377

486 2%

1055 1090 3%

252 271 7%

Total volume Truck % Peak 4:30

7%

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

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c			3	3	4	2	10	7	9	7	8		28	29	3%	4	8	11	4	9	6	20	12	20	16	15	16
Richardson WR			8	7	9	3	3	3	8	7	4		16	22	27%	17	13	11	25	16	29	24	24	28	26	20	21
æ	~	:	9	6	5	10	3	11	3	8	6		27	28	4%	6	6	14	11	15	21	16	12	17	28	19	12
u		,	1	0	2	5	2	8	1	0	4		16	17	%9	0	2	1	8	4	9	1	3	2	1	4	1
Richardson EB	3 -		6	15	23	23	23	56	20	17	13		89	105	15%	9	7	5	9	17	18	14	13	14	6	6	9
æ	~	:	34	48	49	54	52	46	49	35	23		195	207	%9	23	26	17	24	23	24	18	26	20	19	53	18
		,	16	25	13	8	14	21	19	25	13		62	70	11%	28	36	26	33	36	36	38	39	41	38	36	38
Carp	2 -		47	57	62	78	29	95	28	54	55		291	324	10%	64	74	72	74	72	57	70	52	26	60	45	47
	~	:	15	5	3	6	12	14	17	20	15		51	52	2%	7	3	3	11	10	8	15	5	12	13	7	4
		,	6	11	8	17	12	12	10	11	6		50	57	12%	8	13	10	2	8	9	21	13	19	16	9	7
Carp	2 L	_	49	51	61	62	54	63	99	62	45		238	274	13%	51	50	101	62	103	84	99	82	93	54	64	26
			2	1	2	2	0	2	Э	0	2		9	8	25%	2	4	4	5	2	3	2	3	9	4	3	0
	_1_		6:30	7:00	7:15	7:30	7:45	8:00	8:15	8:30	8:45		Peak 7:30	Total volume	Truck %	3:00	3:15	3:30	3:45	4:00	4:15	4:30	4:45	2:00	5:15	5:30	5:45

Total volu Truck 9

10	327	48	35	245	147	91	60	14	63	91	47
11	349	49	38	267	171	93	64	15	65	111	47
%6	%9	2%	8%	8%	14%	2%	%9	%/	3%	18%	%0

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

u			1	2	1	1	0	0	0	1	0		1		0	0	0	0	0	0	0	0	0	0	0	0
Richardson WB	L		0	1	0	1	0	4	0	1	0		5		0	1	1	3	5	10	3	0	2	1	1	0
R	~		0	0	0	0	0	1	0	1	0		1		0	1	1	0	0	0	0	1	1	1	0	0
Ē			. 2	1	3	0	0	1	0	0	1		1		0	0	0	0	0	1	0	0	0	0	0	0
Richardson EB	_		4	3	10	3	8	2	0	1	1		13		0	0	0	0	0	0	0	2	0	0	0	0
E	~		5	6	6	2	3	0	1	3	2		9		0	2	2	0	0	0	0	2	0	0	0	1
			1	0	0	3	0	2	3	2	7		8		3	3	2	6	11	5	2	4	1	2	0	0
Carp NB	⊢		3	3	7	2	6	6	9	10	7		56		10	12	13	6	4	4	5	3	2	Ψ	3	2
	~		0	0	2	0	0	0	0	1	0		0		0	0	0	0	0	0	0	0	0	0	0	0
			2	9	1	1	4	1	0	0	0		9		0	1	0	0	0	1	0	0	0	0	0	0
Carp SB			8	14	4	8	7	6	5	8	5		59		9	5	8	10	5	9	0	3	1	₽	0	0
Carp	۵۷		0	0	1	1	0	0	0	0	0		1		0	0	0	0	0	0	0	1	0	0	0	0
		<u> </u>	08:9	7:00	7:15	7:30	7:45	8:00	8:15	8:30	8:45	 	Peak 7:30		3:00	3:15	3:30	3:45	4:00	4:15	4:30	4:45	5:00	5:15	2:30	5:45

22 16 0 Peak 4:15