

# CITY OF NOBLESVILLE

## PEAK HOUR INTERSECTION COUNTS ROADWAY SEGMENT COUNTS



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## Peak Hour Intersection Counts

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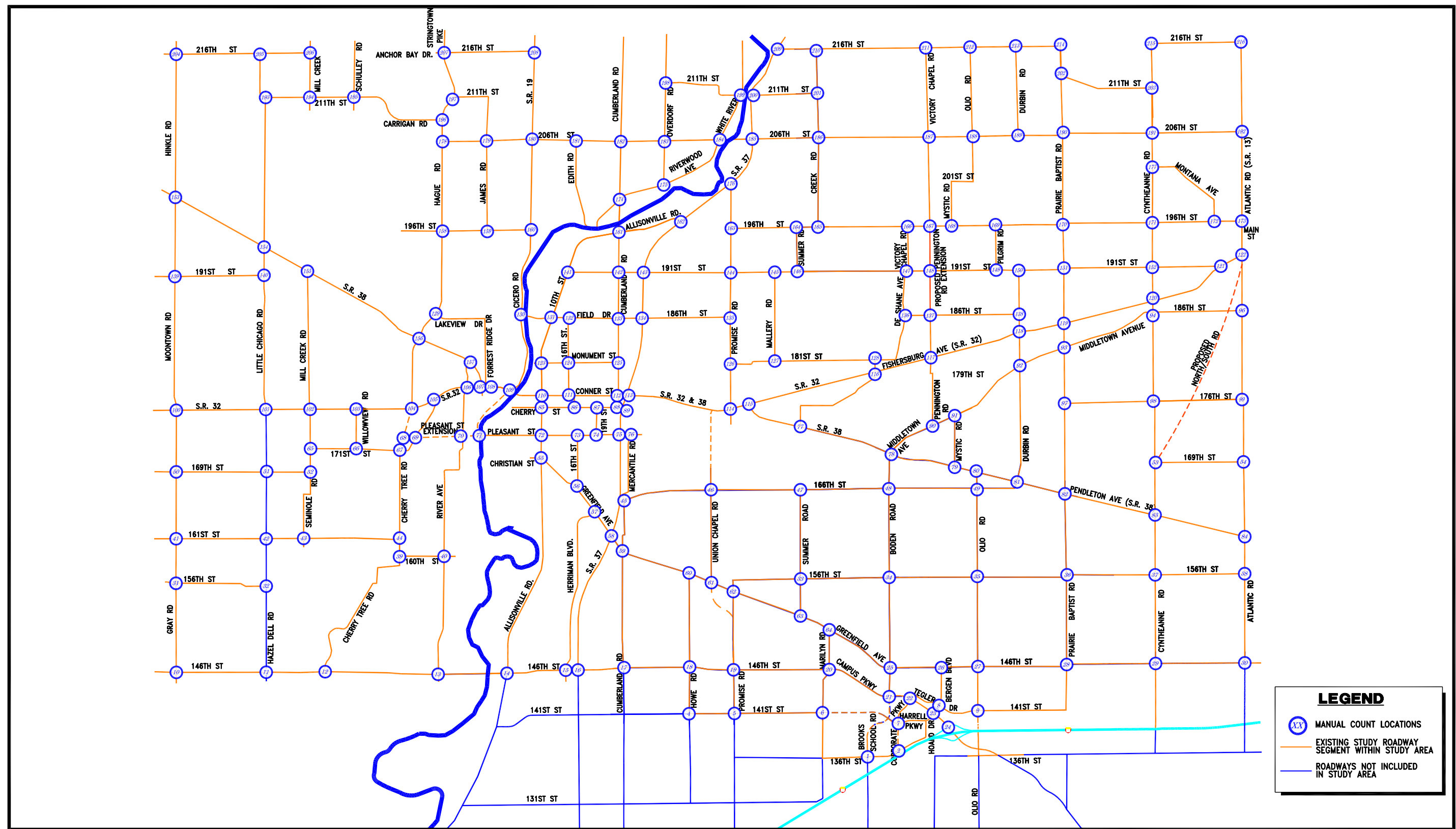
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179	206 <sup>th</sup> Street & James Road	342
180	206 <sup>th</sup> Street & SR 19	344
181	206 <sup>th</sup> Street & Edith Road	346
182	206 <sup>th</sup> Street & Cumberland Road	348
183	206 <sup>th</sup> Street & Overdorf Road	350
184	206 <sup>th</sup> Street & Riverwood Avenue	352
185	206 <sup>th</sup> Street & SR 37	354

186	206 <sup>th</sup> Street & Mill Creek Road	356
187	206 <sup>th</sup> Street & Victory Chapel Road	358
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189	206 <sup>th</sup> Street & Durbin Road	362
190	206 <sup>th</sup> Street & Prairie Baptist Road	364
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**Roadway Segment Counts**

Figure 2:	48-Hour Roadway Segment Traffic Count Locations	418
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Prepared By:



*TRAFFIC IMPACT FEE ANALYSIS  
NOBLESVILLE, INDIANA*

FIGURE 1  
PEAK HOUR MANUAL  
TRAFFIC COUNT LOCATIONS

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
136th St & Brooks School Rd (#1)  
9/25/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	246	1	89	336					272	1	161	434
SOUTHBOUND	3	0	3	6					0	0	0	0
EASTBOUND	1	72	216	289					2	72	296	370
WESTBOUND	38	18	0	56					163	77	0	240

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.86				0.92	
SOUTHBOUND	0.50	0.90			#DIV/0!	0.90
EASTBOUND	0.88				0.84	
WESTBOUND	0.70				0.79	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	3.3%	0.0%	2.2%	3.0%					2.6%	0.0%	0.6%	1.8%
SOUTHBOUND	0.0%	0.0%	33.3%	16.7%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	100.0%	1.4%	4.2%	3.8%					0.0%	0.0%	0.7%	0.5%
WESTBOUND	2.6%	0.0%	0.0%	1.8%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	122	0	122	107	25	132	254
7:00 AM	TO	8:00 AM	336	6	342	289	56	345	687
8:00 AM	TO	9:00 AM	216	3	219	220	51	271	490
3:00 PM	TO	4:00 PM	117	0	117	118	88	206	323
4:00 PM	TO	5:00 PM	292	1	293	236	187	423	716
5:00 PM	TO	6:00 PM	406	1	407	345	253	598	1005
6:00 PM	TO	7:00 PM	201	2	203	163	97	260	463
TOTAL VOLUME			1690	13	1703	1478	757	2235	3938
PERCENTAGE			42.9%	0.3%	43.2%	37.5%	19.2%	56.8%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
136th St & Brooks School Rd (#1)  
9/25/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	80	0	80	0	0	0	41	1	42	121	1	122
7:00 AM - 8:00 AM	238	8	246	1	0	1	87	2	89	326	10	336
8:00 AM - 9:00 AM	139	9	148	0	0	0	67	1	68	206	10	216
PM TIME PERIOD												
3:00 PM - 4:00 PM	59	4	63	0	0	0	53	1	54	112	5	117
4:00 PM - 5:00 PM	163	9	172	0	0	0	119	1	120	282	10	292
5:00 PM - 6:00 PM	256	7	263	1	0	1	141	1	142	398	8	406
6:00 PM - 7:00 PM	112	0	112	2	0	2	87	0	87	201	0	201
PASSENGER	1047 96.6%			4 100.0%			595 98.8%			1646 97.4%		
TRUCK	37 3.4%			0 0.0%			7 1.2%			44 2.6%		
BOTH	1084 64.1%			4 0.2%			602 35.6%			1690 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	3	0	3	0	0	0	2	1	3	5	1	6
8:00 AM - 9:00 AM	1	0	1	0	0	0	2	0	2	3	0	3
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	0	0	0	0	1	1	0	1	1
5:00 PM - 6:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
6:00 PM - 7:00 PM	1	0	1	0	0	0	1	0	1	2	0	2
PASSENGER	5 100.0%			0 #DIV/0!			6 75.0%			11 84.6%		
TRUCK	0 0.0%			0 #DIV/0!			2 25.0%			2 15.4%		
BOTH	5 38.5%			0 0.0%			8 61.5%			13 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	41	1	42	63	2	65	104	3	107
7:00 AM - 8:00 AM	0	1	1	71	1	72	207	9	216	278	11	289
8:00 AM - 9:00 AM	1	0	1	57	0	57	150	12	162	208	12	220
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	31	1	32	82	3	85	114	4	118
4:00 PM - 5:00 PM	1	0	1	49	2	51	180	4	184	230	6	236
5:00 PM - 6:00 PM	1	0	1	65	0	65	278	1	279	344	1	345
6:00 PM - 7:00 PM	1	0	1	34	0	34	127	1	128	162	1	163
PASSENGER	5 83.3%			348 98.6%			1087 97.1%			1440 97.4%		
TRUCK	1 16.7%			5 1.4%			32 2.9%			38 2.6%		
BOTH	6 0.4%			353 23.9%			1119 75.7%			1478 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	0	8	16	1	17	0	0	0	24	1	25
7:00 AM - 8:00 AM	37	1	38	18	0	18	0	0	0	55	1	56
8:00 AM - 9:00 AM	35	2	37	14	0	14	0	0	0	49	2	51
PM TIME PERIOD												
3:00 PM - 4:00 PM	52	1	53	34	0	34	0	1	1	86	2	88
4:00 PM - 5:00 PM	127	1	128	55	4	59	0	0	0	182	5	187
5:00 PM - 6:00 PM	174	1	175	78	0	78	0	0	0	252	1	253
6:00 PM - 7:00 PM	68	0	68	28	0	28	1	0	1	97	0	97
PASSENGER	501 98.8%			243 98.0%			1 50.0%			745 98.4%		
TRUCK	6 1.2%			5 2.0%			1 50.0%			12 1.6%		
BOTH	507 67.0%			248 32.8%			2 0.3%			757 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
141st ST & Howe Rd (#4)  
9/19/2012  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	18	36	7	61					26	51	12	89
SOUTHBOUND	20	42	20	82					21	66	22	109
EASTBOUND	16	222	5	243					27	225	16	268
WESTBOUND	9	183	6	198					12	172	14	198

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.76	0.80			0.93	0.93
SOUTHBOUND	0.82				0.88	
EASTBOUND	0.69				0.94	
WESTBOUND	0.93				0.84	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	11.1%	0.0%	0.0%	3.3%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	10.0%	2.4%	0.0%	3.7%					0.0%	1.5%	0.0%	0.9%
EASTBOUND	6.3%	3.2%	0.0%	3.3%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	3.3%	0.0%	3.0%					0.0%	1.2%	0.0%	1.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	27	29	56	38	40	78	134
7:00 AM	TO	8:00 AM	66	98	164	147	187	334	498
8:00 AM	TO	9:00 AM	32	36	68	151	105	256	324
2:00 PM	TO	3:00 PM	40	53	93	110	68	178	271
3:00 PM	TO	4:00 PM	59	59	118	131	187	318	436
4:00 PM	TO	5:00 PM	81	82	163	204	175	379	542
5:00 PM	TO	6:00 PM	89	109	198	268	198	466	664
TOTAL VOLUME			394	466	860	1049	960	2009	2869
PERCENTAGE			13.7%	16.2%	30.0%	36.6%	33.5%	70.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
141st ST & Howe Rd (#4)  
9/19/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	23	0	23	0	0	0	27	0	27
7:00 AM - 8:00 AM	13	2	15	47	0	47	3	1	4	63	3	66
8:00 AM - 9:00 AM	9	0	9	16	0	16	7	0	7	32	0	32
PM TIME PERIOD												
2:00 PM - 3:00 PM	11	0	11	21	0	21	8	0	8	40	0	40
3:00 PM - 4:00 PM	12	1	13	37	2	39	6	1	7	55	4	59
4:00 PM - 5:00 PM	23	1	24	51	0	51	6	0	6	80	1	81
5:00 PM - 6:00 PM	26	0	26	51	0	51	12	0	12	89	0	89
PASSENGER	98 96.1%			246 99.2%			42 95.5%			386 98.0%		
TRUCK	4 3.9%			2 0.8%			7 4.5%			8 2.0%		
BOTH	102 25.9%			248 62.9%			44 11.2%			394 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	14	0	14	10	0	10	29	0	29
7:00 AM - 8:00 AM	14	2	16	49	0	49	33	0	33	96	2	98
8:00 AM - 9:00 AM	9	0	9	20	1	21	6	0	6	35	1	36
PM TIME PERIOD												
2:00 PM - 3:00 PM	7	1	8	32	0	32	13	0	13	52	1	53
3:00 PM - 4:00 PM	8	0	8	38	0	38	11	2	13	57	2	59
4:00 PM - 5:00 PM	9	0	9	51	1	52	16	5	21	76	6	82
5:00 PM - 6:00 PM	21	0	21	65	1	66	22	0	22	108	1	109
PASSENGER	73 96.1%			269 98.9%			111 94.1%			453 97.2%		
TRUCK	3 3.9%			3 1.1%			7 5.9%			13 2.8%		
BOTH	76 16.3%			272 58.4%			118 25.3%			466 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	26	1	27	4	1	5	36	2	38
7:00 AM - 8:00 AM	9	0	9	132	2	134	4	0	4	145	2	147
8:00 AM - 9:00 AM	9	1	10	131	5	136	5	0	5	145	6	151
PM TIME PERIOD												
2:00 PM - 3:00 PM	12	1	13	81	2	83	14	0	14	107	3	110
3:00 PM - 4:00 PM	18	1	19	102	4	106	6	0	6	126	5	131
4:00 PM - 5:00 PM	20	1	21	160	1	161	22	0	22	202	2	204
5:00 PM - 6:00 PM	27	0	27	225	0	225	16	0	16	268	0	268
PASSENGER	101 96.2%			857 98.3%			71 98.6%			1029 98.1%		
TRUCK	4 3.8%			15 1.7%			1 1.4%			20 1.9%		
BOTH	105 10.0%			872 83.1%			72 6.9%			1049 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	33	1	34	1	0	1	39	1	40
7:00 AM - 8:00 AM	5	0	5	176	0	176	6	0	6	187	0	187
8:00 AM - 9:00 AM	4	0	4	94	6	100	1	0	1	99	6	105
PM TIME PERIOD												
2:00 PM - 3:00 PM	4	0	4	58	3	61	3	0	3	65	3	68
3:00 PM - 4:00 PM	6	0	6	161	8	169	11	1	12	178	9	187
4:00 PM - 5:00 PM	5	1	6	139	18	157	12	0	12	156	19	175
5:00 PM - 6:00 PM	12	0	12	170	2	172	14	0	14	196	2	198
PASSENGER	41 97.6%			831 95.6%			48 98.0%			920 95.8%		
TRUCK	1 2.4%			38 4.4%			1 2.0%			40 4.2%		
BOTH	42 4.4%			869 90.5%			49 5.1%			960 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
141St & Promise Rd (#5)  
9/20/2012  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	97	159	7	263					74	188	11	273
SOUTHBOUND	4	132	9	145					28	235	10	273
EASTBOUND	10	71	148	229					19	111	105	235
WESTBOUND	8	103	19	130					6	59	18	83

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.71	0.77				0.98	0.91
SOUTHBOUND	0.79					0.90	
EASTBOUND	0.60					0.84	
WESTBOUND	0.81					0.77	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	6.2%	1.9%	14.3%	3.8%					1.4%	1.6%	0.0%	1.5%
SOUTHBOUND	0.0%	3.0%	0.0%	2.8%					0.0%	0.4%	0.0%	0.4%
EASTBOUND	0.0%	1.4%	2.7%	2.2%					5.3%	0.0%	1.0%	0.9%
WESTBOUND	0.0%	1.0%	0.0%	0.8%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	61	56	117	53	40	93	210
7:00 AM	TO	8:00 AM	263	145	408	229	130	359	767
8:00 AM	TO	9:00 AM	92	64	156	39	47	86	242
2:00 PM	TO	3:00 PM	112	102	214	89	47	136	350
3:00 PM	TO	4:00 PM	255	151	406	140	90	230	636
4:00 PM	TO	5:00 PM	264	188	452	193	87	280	732
5:00 PM	TO	6:00 PM	273	273	546	235	83	318	864
TOTAL VOLUME			1320	979	2299	978	524	1502	3801
PERCENTAGE			34.7%	25.8%	60.5%	25.7%	13.8%	39.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
141St & Promise Rd (#5)  
9/20/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	14	0	14	43	3	46	0	1	1	57	4	61
7:00 AM - 8:00 AM	91	6	97	156	3	159	6	1	7	253	10	263
8:00 AM - 9:00 AM	19	0	19	71	2	73	0	0	0	90	2	92
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	35	0	35	70	3	73	4	0	4	109	3	112
3:00 PM - 4:00 PM	90	11	101	144	4	148	6	0	6	240	15	255
4:00 PM - 5:00 PM	87	8	95	163	1	164	4	1	5	254	10	264
5:00 PM - 6:00 PM	73	1	74	185	3	188	11	0	11	269	4	273
<b>PASSENGER</b>	409 94.0%			832 97.8%			31 91.2%			1272 96.4%		
<b>TRUCK</b>	26 6.0%			19 2.2%			3 8.8%			48 3.6%		
<b>BOTH</b>	435 33.0%			851 64.5%			34 2.6%			1320 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	0	2	47	0	47	7	0	7	56	0	56
7:00 AM - 8:00 AM	4	0	4	128	4	132	9	0	9	141	4	145
8:00 AM - 9:00 AM	4	0	4	53	4	57	2	1	3	59	5	64
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	13	0	13	78	1	79	9	1	10	100	2	102
3:00 PM - 4:00 PM	20	0	20	120	4	124	7	0	7	147	4	151
4:00 PM - 5:00 PM	23	0	23	157	1	158	5	2	7	185	3	188
5:00 PM - 6:00 PM	28	0	28	234	1	235	10	0	10	272	1	273
<b>PASSENGER</b>	94 100.0%			817 98.2%			49 92.5%			960 98.1%		
<b>TRUCK</b>	0 0.0%			15 1.8%			4 7.5%			19 1.9%		
<b>BOTH</b>	94 9.6%			832 85.0%			53 5.4%			979 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	0	2	25	1	26	24	1	25	51	2	53
7:00 AM - 8:00 AM	10	0	10	70	1	71	144	4	148	224	5	229
8:00 AM - 9:00 AM	4	0	4	17	2	19	15	1	16	36	3	39
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	12	0	12	43	3	46	31	0	31	86	3	89
3:00 PM - 4:00 PM	12	2	14	68	0	68	51	7	58	131	9	140
4:00 PM - 5:00 PM	27	0	27	99	0	99	66	1	67	192	1	193
5:00 PM - 6:00 PM	18	1	19	111	0	111	104	1	105	233	2	235
<b>PASSENGER</b>	85 96.6%			433 98.4%			435 96.7%			953 97.4%		
<b>TRUCK</b>	3 3.4%			7 1.6%			15 3.3%			25 2.6%		
<b>BOTH</b>	88 9.0%			440 45.0%			450 46.0%			978 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	1	2	25	0	25	13	0	13	39	1	40
7:00 AM - 8:00 AM	8	0	8	102	1	103	19	0	19	129	1	130
8:00 AM - 9:00 AM	3	0	3	36	2	38	6	0	6	45	2	47
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	1	1	2	34	0	34	11	0	11	46	1	47
3:00 PM - 4:00 PM	2	0	2	73	3	76	12	0	12	87	3	90
4:00 PM - 5:00 PM	5	0	5	63	3	66	16	0	16	84	3	87
5:00 PM - 6:00 PM	6	0	6	59	0	59	18	0	18	83	0	83
<b>PASSENGER</b>	26 92.9%			392 97.8%			95 100.0%			513 97.9%		
<b>TRUCK</b>	2 7.1%			9 2.2%			0 0.0%			11 2.1%		
<b>BOTH</b>	28 5.3%			401 76.5%			95 18.1%			524 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Npbleville  
 Marilyn Road & 141st Street (#6)  
 6/12/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	23	99	1	123					35	103	3
SOUTHBOUND	1	77	33	111					2	141	49	192
EASTBOUND	33	2	24	59					71	12	43	126
WESTBOUND	5	11	4	20					4	3	8	15

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.83					0.82
SOUTHBOUND	0.90	0.97				0.80	0.94
EASTBOUND	0.74					0.95	
WESTBOUND	0.83					0.63	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	4.3%	0.0%	0.0%	0.8%					2.9%	0.0%	0.0%
SOUTHBOUND	0.0%	2.6%	9.1%	4.5%					0.0%	1.4%	2.0%	1.6%
EASTBOUND	3.0%	0.0%	8.3%	5.1%					1.4%	0.0%	2.3%	1.6%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	58	38	96	40	6	46	142
7:00 AM	TO	8:00 AM	117	98	215	52	15	67	282
8:00 AM	TO	9:00 AM	122	101	223	44	23	67	290
3:00 PM	TO	4:00 PM	60	51	111	42	6	48	159
4:00 PM	TO	5:00 PM	128	160	288	84	5	89	377
5:00 PM	TO	6:00 PM	161	191	352	108	11	119	471
6:00 PM	TO	7:00 PM	61	103	164	61	6	67	231
TOTAL VOLUME			707	742	1449	431		503	1952
PERCENTAGE			36.2%	38.0%	74.2%	22.1%		25.8%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Npblesville  
Marilyn Road & 141st Street (#6)  
6/12/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	51	1	52	0	0	0	57	1	58
7:00 AM - 8:00 AM	19	1	20	96	0	96	1	0	1	116	1	117
8:00 AM - 9:00 AM	23	0	23	99	0	99	0	0	0	122	0	122
PM TIME PERIOD												
3:00 PM - 4:00 PM	9	0	9	49	0	49	2	0	2	60	0	60
4:00 PM - 5:00 PM	26	0	26	93	4	97	5	0	5	124	4	128
5:00 PM - 6:00 PM	38	1	39	114	2	116	6	0	6	158	3	161
6:00 PM - 7:00 PM	12	1	13	46	0	46	2	0	2	60	1	61
PASSENGER	133 97.8%			548 98.7%			16 100.0%			697 98.6%		
TRUCK	3 2.2%			7 1.3%			0 0.0%			10 1.4%		
BOTH	136 19.2%			555 78.5%			16 2.3%			707 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	25	0	25	13	0	13	38	0	38
7:00 AM - 8:00 AM	0	0	0	63	1	64	32	2	34	95	3	98
8:00 AM - 9:00 AM	1	0	1	73	4	77	22	1	23	96	5	101
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	41	1	42	9	0	9	50	1	51
4:00 PM - 5:00 PM	1	0	1	124	2	126	32	1	33	157	3	160
5:00 PM - 6:00 PM	1	0	1	147	2	149	40	1	41	188	3	191
6:00 PM - 7:00 PM	1	0	1	71	1	72	30	0	30	102	1	103
PASSENGER	4 100.0%			544 98.0%			178 97.3%			726 97.8%		
TRUCK	0 0.0%			11 2.0%			5 2.7%			16 2.2%		
BOTH	4 0.5%			555 74.8%			183 24.7%			742 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	33	0	33	1	0	1	6	0	6	40	0	40
7:00 AM - 8:00 AM	25	1	26	1	0	1	24	1	25	50	2	52
8:00 AM - 9:00 AM	30	1	31	2	0	2	9	2	11	41	3	44
PM TIME PERIOD												
3:00 PM - 4:00 PM	17	0	17	2	0	2	23	0	23	42	0	42
4:00 PM - 5:00 PM	39	2	41	4	0	4	39	0	39	82	2	84
5:00 PM - 6:00 PM	54	1	55	9	0	9	43	1	44	106	2	108
6:00 PM - 7:00 PM	33	0	33	5	0	5	22	1	23	60	1	61
PASSENGER	231 97.9%			24 100.0%			166 97.1%			421 97.7%		
TRUCK	5 2.1%			0 0.0%			5 2.9%			10 2.3%		
BOTH	236 54.8%			24 5.6%			171 39.7%			431 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	1	0	1	4	0	4	6	0	6
7:00 AM - 8:00 AM	3	0	3	8	0	8	4	0	4	15	0	15
8:00 AM - 9:00 AM	4	0	4	11	0	11	8	0	8	23	0	23
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	0	0	0	2	1	3	5	1	6
4:00 PM - 5:00 PM	1	0	1	0	0	0	4	0	4	5	0	5
5:00 PM - 6:00 PM	1	0	1	2	0	2	8	0	8	11	0	11
6:00 PM - 7:00 PM	3	0	3	1	0	1	2	0	2	6	0	6
PASSENGER	16 100.0%			23 100.0%			32 97.0%			71 98.6%		
TRUCK	0 0.0%			0 0.0%			3 3.0%			1 1.4%		
BOTH	16 22.2%			23 31.9%			33 45.8%			72 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Harrell Pkwy & Hoard Dr (#7)  
 9/26/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	5		111	116					40		157	197
EASTBOUND		1	3	4						59	27	86
WESTBOUND	73	10		83					99	94		193

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.91				0.83	
EASTBOUND	0.50	0.85			0.86	0.95
WESTBOUND	0.72				0.97	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%		0.9%	0.9%					0.0%		0.6%	0.5%
EASTBOUND		0.0%	0.0%	0.0%						0.0%	7.4%	2.3%
WESTBOUND	4.1%	10.0%		4.8%					0.0%	3.2%		1.6%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	88		88	0	26	26	114
7:00 AM	TO	8:00 AM	113		113	4	67	71	184
8:00 AM	TO	9:00 AM	111		111	3	80	83	194
3:00 PM	TO	4:00 PM	70		70	34	51	85	155
4:00 PM	TO	5:00 PM	215		215	62	173	235	450
5:00 PM	TO	6:00 PM	180		180	88	189	277	457
6:00 PM	TO	7:00 PM	117		117	38	94	132	249
TOTAL VOLUME			894		894	229	680	909	1803
PERCENTAGE			49.6%		49.6%	12.7%	37.7%	50.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Harrell Pkwy & Hoard Dr (#7)  
9/26/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0				87	1	88	87	1	88
7:00 AM - 8:00 AM	3	0	3				110	0	110	113	0	113
8:00 AM - 9:00 AM	4	0	4				106	1	107	110	1	111
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	11	0	11				55	4	59	66	4	70
4:00 PM - 5:00 PM	34	0	34				176	5	181	210	5	215
5:00 PM - 6:00 PM	30	0	30				150	0	150	180	0	180
6:00 PM - 7:00 PM	24	0	24				92	1	93	116	1	117
<b>PASSENGER</b>	106 100.0%						776 98.5%			882 98.7%		
<b>TRUCK</b>	0 0.0%						12 1.5%			12 1.3%		
<b>BOTH</b>	106 11.9%						788 88.1%			894 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM				2	0	2	2	0	2	4	0	4
8:00 AM - 9:00 AM				2	0	2	1	0	1	3	0	3
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				31	0	31	3	0	3	34	0	34
4:00 PM - 5:00 PM				43	0	43	19	0	19	62	0	62
5:00 PM - 6:00 PM				61	0	61	27	0	27	88	0	88
6:00 PM - 7:00 PM				26	0	26	10	2	12	36	2	38
<b>PASSENGER</b>				165 100.0%			62 96.9%			227 99.1%		
<b>TRUCK</b>				0 0.0%			2 3.1%			2 0.9%		
<b>BOTH</b>				165 72.1%			64 27.9%			229 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	24	0	24	2	0	2				26	0	26
7:00 AM - 8:00 AM	60	2	62	5	0	5				65	2	67
8:00 AM - 9:00 AM	58	4	62	16	2	18				74	6	80
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	20	2	22	29	0	29				49	2	51
4:00 PM - 5:00 PM	84	1	85	88	0	88				172	1	173
5:00 PM - 6:00 PM	118	0	118	69	2	71				187	2	189
6:00 PM - 7:00 PM	39	0	39	54	1	55				93	1	94
<b>PASSENGER</b>	403 97.8%			263 98.1%						666 97.9%		
<b>TRUCK</b>	9 2.2%			5 1.9%						14 2.1%		
<b>BOTH</b>	412 60.6%			268 39.4%						680 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Tegler Dr & Bergen Blvd (#8)  
 9/11/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	51	88	20	159					73	77	67
SOUTHBOUND	12	56	14	82					25	96	28	149
EASTBOUND	17	31	51	99					8	59	39	106
WESTBOUND	61	29	18	108					63	30	13	106

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.85					0.83
SOUTHBOUND	0.64	0.90				0.70	0.88
EASTBOUND	0.92					0.74	
WESTBOUND	0.82					0.76	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	3.9%	5.7%	5.0%	5.0%					2.7%	5.2%	0.0%
SOUTHBOUND	41.7%	8.9%	0.0%	12.2%					0.0%	3.1%	0.0%	2.0%
EASTBOUND	0.0%	6.5%	0.0%	2.0%					0.0%	0.0%	2.6%	0.9%
WESTBOUND	4.9%	3.4%	5.6%	4.6%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	85	83	168	47	26	73	241
7:00 AM	TO	8:00 AM	135	99	234	93	89	182	416
8:00 AM	TO	9:00 AM	133	69	202	80	71	151	353
3:00 PM	TO	4:00 PM	70	57	127	50	36	86	213
4:00 PM	TO	5:00 PM	169	140	309	94	80	174	483
5:00 PM	TO	6:00 PM	209	124	333	105	109	214	547
6:00 PM	TO	7:00 PM	108	59	167	52	64	116	283
TOTAL VOLUME			909	631	1540	521	475	996	2536
PERCENTAGE			35.8%	24.9%	60.7%	20.5%	18.7%	39.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Tegler Dr & Bergen Blvd (#8)  
9/11/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	25	1	26	50	0	50	8	1	9	83	2	85
7:00 AM - 8:00 AM	45	3	48	66	5	71	15	1	16	126	9	135
8:00 AM - 9:00 AM	44	1	45	63	3	66	21	1	22	128	5	133
PM TIME PERIOD												
3:00 PM - 4:00 PM	21	0	21	28	1	29	20	0	20	69	1	70
4:00 PM - 5:00 PM	47	1	48	73	4	77	44	0	44	164	5	169
5:00 PM - 6:00 PM	61	1	62	73	3	76	71	0	71	205	4	209
6:00 PM - 7:00 PM	43	0	43	27	0	27	38	0	38	108	0	108
PASSENGER	286 97.6%			380 96.0%			217 98.6%			883 97.1%		
TRUCK	7 2.4%			16 4.0%			3 1.4%			26 2.9%		
BOTH	293 32.2%			396 43.6%			220 24.2%			909 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	65	0	65	12	0	12	83	0	83
7:00 AM - 8:00 AM	8	5	13	67	4	71	15	0	15	90	9	99
8:00 AM - 9:00 AM	5	4	9	40	3	43	17	0	17	62	7	69
PM TIME PERIOD												
3:00 PM - 4:00 PM	15	0	15	32	2	34	8	0	8	55	2	57
4:00 PM - 5:00 PM	20	0	20	90	6	96	24	0	24	134	6	140
5:00 PM - 6:00 PM	19	0	19	77	2	79	26	0	26	122	2	124
6:00 PM - 7:00 PM	7	0	7	36	1	37	15	0	15	58	1	59
PASSENGER	80 89.9%			407 95.8%			117 100.0%			604 95.7%		
TRUCK	9 10.1%			18 4.2%			0 0.0%			27 4.3%		
BOTH	89 14.1%			425 67.4%			117 18.5%			631 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	7	0	7	10	0	10	29	1	30	46	1	47
7:00 AM - 8:00 AM	12	0	12	27	2	29	52	0	52	91	2	93
8:00 AM - 9:00 AM	14	0	14	15	0	15	51	0	51	80	0	80
PM TIME PERIOD												
3:00 PM - 4:00 PM	5	0	5	19	0	19	25	1	26	49	1	50
4:00 PM - 5:00 PM	15	0	15	41	0	41	37	1	38	93	1	94
5:00 PM - 6:00 PM	9	0	9	64	0	64	30	2	32	103	2	105
6:00 PM - 7:00 PM	6	0	6	21	0	21	24	1	25	51	1	52
PASSENGER	68 100.0%			197 99.0%			248 97.6%			513 98.5%		
TRUCK	0 0.0%			2 1.0%			6 2.4%			8 1.5%		
BOTH	68 13.1%			199 38.2%			254 48.8%			521 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	13	0	13	9	0	9	4	0	4	26	0	26
7:00 AM - 8:00 AM	45	3	48	25	1	26	15	0	15	85	4	89
8:00 AM - 9:00 AM	39	1	40	21	0	21	9	1	10	69	2	71
PM TIME PERIOD												
3:00 PM - 4:00 PM	19	0	19	11	0	11	4	2	6	34	2	36
4:00 PM - 5:00 PM	47	0	47	23	0	23	10	0	10	80	0	80
5:00 PM - 6:00 PM	54	0	54	45	0	45	10	0	10	109	0	109
6:00 PM - 7:00 PM	36	1	37	21	0	21	6	0	6	63	1	64
PASSENGER	253 98.1%			155 99.4%			58 95.1%			466 98.1%		
TRUCK	5 1.9%			1 0.6%			3 4.9%			9 1.9%		
BOTH	258 54.3%			156 32.8%			61 12.8%			475 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Tegler Dr - 141st St & Olio Rd (#9)  
 9/18/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	29	149	7	185					30	272	24
SOUTHBOUND	0	293	1	294					0	192	1	193
EASTBOUND	1	1	25	27					11	4	47	62
WESTBOUND	21	4	2	27					16	2	0	18

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.84	0.88			0.88
SOUTHBOUND	0.83				0.85	
EASTBOUND	0.52				0.82	
WESTBOUND	0.61				0.75	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	3.4%	6.7%	42.9%	7.6%					3.3%	2.2%	0.0%
SOUTHBOUND	0.0%	2.7%	0.0%	2.7%					0.0%	4.2%	0.0%	4.1%
EASTBOUND	0.0%	0.0%	12.0%	11.1%					0.0%	25.0%	2.1%	3.2%
WESTBOUND	9.5%	0.0%	50.0%	11.1%					18.8%	0.0%	0.0%	16.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	52	162	214	17	13	30	244
7:00 AM	TO	8:00 AM	185	294	479	27	27	54	533
8:00 AM	TO	9:00 AM	155	178	333	30	22	52	385
3:00 PM	TO	4:00 PM	113	69	182	15	7	22	204
4:00 PM	TO	5:00 PM	295	185	480	53	20	73	553
5:00 PM	TO	6:00 PM	329	180	509	55	15	70	579
6:00 PM	TO	7:00 PM	131	64	195	37	7	44	239
TOTAL VOLUME			1260	1132	2392	234	111	345	2737
PERCENTAGE			46.0%	41.4%	87.4%	8.5%	4.1%	12.6%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Tegler Dr - 141st St & Olio Rd (#9)  
9/18/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	7	0	7	41	0	41	4	0	4	52	0	52
7:00 AM - 8:00 AM	28	1	29	139	10	149	4	3	7	171	14	185
8:00 AM - 9:00 AM	28	2	30	102	14	116	8	1	9	138	17	155
PM TIME PERIOD												
3:00 PM - 4:00 PM	17	2	19	83	3	86	8	0	8	108	5	113
4:00 PM - 5:00 PM	31	1	32	230	7	237	26	0	26	287	8	295
5:00 PM - 6:00 PM	29	1	30	272	7	279	20	0	20	321	8	329
6:00 PM - 7:00 PM	20	0	20	94	3	97	14	0	14	128	3	131
PASSENGER	160 95.8%			961 95.6%			84 95.5%			1205 95.6%		
TRUCK	7 4.2%			44 4.4%			4 4.5%			55 4.4%		
BOTH	167 13.3%			1005 79.8%			88 7.0%			1260 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	153	5	158	4	0	4	157	5	162
7:00 AM - 8:00 AM	0	0	0	285	8	293	1	0	1	286	8	294
8:00 AM - 9:00 AM	2	1	3	165	8	173	2	0	2	169	9	178
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	1	2	59	4	63	4	0	4	64	5	69
4:00 PM - 5:00 PM	1	0	1	169	9	178	6	0	6	176	9	185
5:00 PM - 6:00 PM	0	0	0	174	3	177	2	1	3	176	4	180
6:00 PM - 7:00 PM	0	0	0	64	0	64	0	0	0	64	0	64
PASSENGER	4 66.7%			1069 96.7%			19 95.0%			1092 96.5%		
TRUCK	2 33.3%			37 3.3%			1 5.0%			40 3.5%		
BOTH	6 0.5%			1106 97.7%			20 1.8%			1132 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	4	0	4	12	0	12	17	0	17
7:00 AM - 8:00 AM	1	0	1	1	0	1	22	3	25	24	3	27
8:00 AM - 9:00 AM	3	0	3	2	1	3	23	1	24	28	2	30
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	2	0	2	11	1	12	14	1	15
4:00 PM - 5:00 PM	5	0	5	5	1	6	41	1	42	51	2	53
5:00 PM - 6:00 PM	8	0	8	7	1	8	39	0	39	54	1	55
6:00 PM - 7:00 PM	5	0	5	1	0	1	30	1	31	36	1	37
PASSENGER	24 100.0%			22 88.0%			178 96.2%			224 95.7%		
TRUCK	0 0.0%			3 12.0%			7 3.8%			10 4.3%		
BOTH	24 10.3%			25 10.7%			185 79.1%			234 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	11	0	11	2	0	2	0	0	0	13	0	13
7:00 AM - 8:00 AM	19	2	21	4	0	4	1	1	2	24	3	27
8:00 AM - 9:00 AM	10	2	12	4	0	4	5	1	6	19	3	22
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	4	0	4	0	0	0	7	0	7
4:00 PM - 5:00 PM	13	0	13	7	0	7	0	0	0	20	0	20
5:00 PM - 6:00 PM	10	3	13	2	0	2	0	0	0	12	3	15
6:00 PM - 7:00 PM	5	0	5	2	0	2	0	0	0	7	0	7
PASSENGER	71 91.0%			25 100.0%			6 75.0%			102 91.9%		
TRUCK	7 9.0%			0 0.0%			2 25.0%			9 8.1%		
BOTH	78 70.3%			25 22.5%			8 7.2%			111 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

L&Q Realty  
 146th Street & Gray Road  
 5/16/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	65	112	89	<b>266</b>					121	236	253
SOUTHBOUND	138	270	91	<b>499</b>					174	153	53	<b>380</b>
EASTBOUND	157	676	112	<b>945</b>					135	1650	145	<b>1930</b>
WESTBOUND	250	1006	202	<b>1458</b>					91	790	145	<b>1026</b>

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.81	<b>0.90</b>			0.81
SOUTHBOUND	0.89				0.90	
EASTBOUND	0.80				0.90	
WESTBOUND	0.91				0.90	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.9%	2.2%	1.1%					4.1%	0.0%	0.0%
SOUTHBOUND	3.6%	0.7%	0.0%	1.4%					0.6%	0.0%	0.0%	0.3%
EASTBOUND	0.6%	6.8%	4.5%	5.5%					0.0%	1.3%	0.0%	1.1%
WESTBOUND	2.0%	4.9%	2.0%	4.0%					0.0%	1.3%	0.7%	1.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	239	448	687	807	1349	2156	2843
7:00 AM	TO	8:00 AM	219	395	614	846	1322	2168	2782
8:00 AM	TO	9:00 AM	205	284	489	707	943	1650	2139
2:00 PM	TO	3:00 PM	241	246	487	973	784	1757	2244
3:00 PM	TO	4:00 PM	354	445	799	1191	883	2074	2873
4:00 PM	TO	5:00 PM	386	408	794	1453	970	2423	3217
5:00 PM	TO	6:00 PM	610	380	990	1930	1026	2956	3946
6:00 PM	TO	7:00 PM	429	295	724	1217	865	2082	2806
TOTAL VOLUME			2683	2901	5584	9124	8142	17266	22850
PERCENTAGE			11.7%	12.7%	24.4%	39.9%	35.6%	75.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th Street & Gray Road (#10)  
5/16/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	64	1	65	108	0	108	64	2	66	236	3	239
7:00 AM - 8:00 AM	58	2	60	72	2	74	81	4	85	211	8	219
8:00 AM - 9:00 AM	84	2	86	67	0	67	47	5	52	198	7	205
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	68	4	72	78	1	79	85	5	90	231	10	241
3:00 PM - 4:00 PM	96	3	99	126	0	126	125	4	129	347	7	354
4:00 PM - 5:00 PM	86	1	87	141	3	144	154	1	155	381	5	386
5:00 PM - 6:00 PM	116	5	121	236	0	236	253	0	253	605	5	610
6:00 PM - 7:00 PM	124	0	124	139	1	140	165	0	165	428	1	429
PASSENGER	696 97.5%			967 99.3%			974 97.9%			2637 98.3%		
TRUCK	18 2.5%			7 0.7%			21 2.1%			46 1.7%		
BOTH	714 26.6%			974 36.3%			995 37.1%			2683 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	115	1	116	241	0	241	91	0	91	447	1	448
7:00 AM - 8:00 AM	117	5	122	215	3	218	55	0	55	387	8	395
8:00 AM - 9:00 AM	91	7	98	124	1	125	58	3	61	273	11	284
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	105	2	107	98	1	99	39	1	40	242	4	246
3:00 PM - 4:00 PM	184	8	192	153	0	153	98	2	100	435	10	445
4:00 PM - 5:00 PM	175	3	178	152	0	152	77	1	78	404	4	408
5:00 PM - 6:00 PM	173	1	174	153	0	153	53	0	53	379	1	380
6:00 PM - 7:00 PM	126	1	127	132	0	132	36	0	36	294	1	295
PASSENGER	1086 97.5%			1268 99.6%			507 98.6%			2861 98.6%		
TRUCK	28 2.5%			5 0.4%			7 1.4%			40 1.4%		
BOTH	1114 38.4%			1273 43.9%			514 17.7%			2901 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	160	1	161	513	29	542	102	2	104	775	32	807
7:00 AM - 8:00 AM	67	3	70	611	58	669	98	9	107	776	70	846
8:00 AM - 9:00 AM	51	3	54	496	53	549	100	4	104	647	60	707
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	58	4	62	705	78	783	123	5	128	886	87	973
3:00 PM - 4:00 PM	112	2	114	864	63	927	143	7	150	1119	72	1191
4:00 PM - 5:00 PM	92	1	93	1221	37	1258	101	1	102	1414	39	1453
5:00 PM - 6:00 PM	135	0	135	1629	21	1650	145	0	145	1909	21	1930
6:00 PM - 7:00 PM	64	1	65	1005	14	1019	133	0	133	1202	15	1217
PASSENGER	739 98.0%			7044 95.2%			945 97.1%			8728 95.7%		
TRUCK	15 2.0%			353 4.8%			28 2.9%			396 4.3%		
BOTH	754 8.3%			7397 81.1%			973 10.7%			9124 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	236	3	239	904	22	926	182	2	184	1322	27	1349
7:00 AM - 8:00 AM	251	4	255	904	49	953	108	6	114	1263	59	1322
8:00 AM - 9:00 AM	106	2	108	688	55	743	84	8	92	878	65	943
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	58	4	62	582	71	653	69	0	69	709	75	784
3:00 PM - 4:00 PM	77	2	79	638	56	694	108	2	110	823	60	883
4:00 PM - 5:00 PM	90	0	90	726	39	765	114	1	115	930	40	970
5:00 PM - 6:00 PM	91	0	91	780	10	790	144	1	145	1015	11	1026
6:00 PM - 7:00 PM	67	0	67	695	8	703	95	0	95	857	8	865
PASSENGER	976 98.5%			5917 95.0%			904 97.8%			7797 95.8%		
TRUCK	15 1.5%			310 5.0%			20 2.2%			345 4.2%		
BOTH	991 12.2%			6227 76.5%			924 11.3%			8142 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Hazel Dell Road & 146th Street (#11)  
 10/15/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	139	138	92	369					242	638	188	1068
SOUTHBOUND	170	602	227	999					199	318	192	709
EASTBOUND	89	547	255	891					423	1219	147	1789
WESTBOUND	304	1113	112	1529					195	817	197	1209

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.93	0.95			0.94	0.92
SOUTHBOUND	0.92				0.89	
EASTBOUND	0.86				0.85	
WESTBOUND	0.94				0.92	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	4.3%	2.2%	20.7%	7.6%					0.4%	1.1%	3.7%	1.4%
SOUTHBOUND	1.8%	0.3%	2.6%	1.1%					2.0%	4.1%	1.6%	2.8%
EASTBOUND	2.2%	9.1%	4.3%	7.1%					0.2%	4.3%	5.4%	3.4%
WESTBOUND	3.6%	8.1%	2.7%	6.8%					3.6%	5.0%	5.1%	4.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	86	376	462	229	469	698	1160
7:00 AM	TO	8:00 AM	369	1008	1377	817	1527	2344	3721
8:00 AM	TO	9:00 AM	206	433	639	401	656	1057	1696
2:00 PM	TO	3:00 PM	423	464	887	985	775	1760	2647
3:00 PM	TO	4:00 PM	574	516	1090	1134	884	2018	3108
4:00 PM	TO	5:00 PM	758	576	1334	1463	956	2419	3753
5:00 PM	TO	6:00 PM	1068	709	1777	1789	1209	2998	4775
TOTAL VOLUME			3484	4082	7566	6818	6476	13294	20860
PERCENTAGE			16.7%	19.6%	36.3%	32.7%	31.0%	63.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Hazel Dell Road & 146th Street (#11)  
10/15/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	28	0	28	23	0	23	32	3	35	83	3	86
7:00 AM - 8:00 AM	137	3	140	134	2	136	69	24	93	340	29	369
8:00 AM - 9:00 AM	76	6	82	67	5	72	50	2	52	193	13	206
PM TIME PERIOD												
2:00 PM - 3:00 PM	109	11	120	203	6	209	88	6	94	400	23	423
3:00 PM - 4:00 PM	145	4	149	302	5	307	114	4	118	561	13	574
4:00 PM - 5:00 PM	200	2	202	412	12	424	122	10	132	734	24	758
5:00 PM - 6:00 PM	241	1	242	631	7	638	181	7	188	1053	15	1068
PASSENGER	936 97.2%			1772 98.0%			656 92.1%			3364 96.6%		
TRUCK	27 2.8%			37 2.0%			56 7.9%			120 3.4%		
BOTH	963 27.6%			1809 51.9%			712 20.4%			3484 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	55	1	56	235	1	236	84	0	84	374	2	376
7:00 AM - 8:00 AM	167	2	169	606	2	608	226	5	231	999	9	1008
8:00 AM - 9:00 AM	62	5	67	254	1	255	109	2	111	425	8	433
PM TIME PERIOD												
2:00 PM - 3:00 PM	106	12	118	193	9	202	140	4	144	439	25	464
3:00 PM - 4:00 PM	141	17	158	203	5	208	147	3	150	491	25	516
4:00 PM - 5:00 PM	174	10	184	226	8	234	157	1	158	557	19	576
5:00 PM - 6:00 PM	195	4	199	305	13	318	189	3	192	689	20	709
PASSENGER	900 94.6%			2022 98.1%			1052 98.3%			3974 97.4%		
TRUCK	51 5.4%			39 1.9%			18 1.7%			108 2.6%		
BOTH	951 23.3%			2061 50.5%			1070 26.2%			4082 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	26	0	26	164	7	171	32	0	32	222	7	229
7:00 AM - 8:00 AM	74	1	75	485	26	511	226	5	231	785	32	817
8:00 AM - 9:00 AM	56	2	58	220	30	250	83	10	93	359	42	401
PM TIME PERIOD												
2:00 PM - 3:00 PM	171	2	173	570	111	681	126	5	131	867	118	985
3:00 PM - 4:00 PM	204	3	207	657	123	780	139	8	147	1000	134	1134
4:00 PM - 5:00 PM	262	5	267	935	108	1043	151	2	153	1348	115	1463
5:00 PM - 6:00 PM	422	1	423	1167	52	1219	139	8	147	1728	61	1789
PASSENGER	1215 98.9%			4198 90.2%			896 95.9%			6309 92.5%		
TRUCK	14 1.1%			457 9.8%			38 4.1%			509 7.5%		
BOTH	1229 18.0%			4655 68.3%			934 13.7%			6818 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	66	5	71	334	14	348	49	1	50	449	20	469
7:00 AM - 8:00 AM	288	9	297	1034	74	1108	118	4	122	1440	87	1527
8:00 AM - 9:00 AM	127	6	133	438	52	490	30	3	33	595	61	656
PM TIME PERIOD												
2:00 PM - 3:00 PM	93	5	98	441	124	565	95	17	112	629	146	775
3:00 PM - 4:00 PM	102	7	109	518	109	627	132	16	148	752	132	884
4:00 PM - 5:00 PM	131	9	140	530	97	627	179	10	189	840	116	956
5:00 PM - 6:00 PM	188	7	195	776	41	817	187	10	197	1151	58	1209
PASSENGER	995 95.4%			4071 88.8%			790 92.8%			5856 90.4%		
TRUCK	48 4.6%			511 11.2%			61 7.2%			620 9.6%		
BOTH	1043 16.1%			4582 70.8%			851 13.1%			6476 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th St & Cherry Tree Rd (#12)  
6/11/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	14	4	17	35					12	27	27
SOUTHBOUND	52	13	49	114					49	11	33	93
EASTBOUND	25	875	8	908					53	1734	14	1801
WESTBOUND	21	1439	28	1488					17	950	61	1028

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.80					0.75
SOUTHBOUND	0.77	0.89				0.83	0.84
EASTBOUND	0.93					0.82	
WESTBOUND	0.87					0.90	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%	5.9%	2.9%					0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	4.0%	1.0%	0.0%	1.1%					0.0%	0.1%	0.0%	0.1%
WESTBOUND	0.0%	1.6%	0.0%	1.5%					0.0%	0.1%	0.0%	0.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	16	41	57	393	657	1050	1107
7:00 AM	TO	8:00 AM	26	99	125	799	1503	2302	2427
8:00 AM	TO	9:00 AM	38	124	162	897	1293	2190	2352
3:00 PM	TO	4:00 PM	32	59	91	564	450	1014	1105
4:00 PM	TO	5:00 PM	40	105	145	1400	928	2328	2473
5:00 PM	TO	6:00 PM	66	93	159	1801	1028	2829	2988
6:00 PM	TO	7:00 PM	20	39	59	695	473	1168	1227
TOTAL VOLUME			238	560	798	6549	6332	12881	13679
PERCENTAGE			1.7%	4.1%	5.8%	47.9%	46.3%	94.2%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th St & Cherry Tree Rd (#12)  
6/11/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	1	0	1	9	0	9	16	0	16
7:00 AM - 8:00 AM	11	0	11	1	0	1	14	0	14	26	0	26
8:00 AM - 9:00 AM	12	0	12	4	0	4	21	1	22	37	1	38
PM TIME PERIOD												
3:00 PM - 4:00 PM	11	0	11	6	0	6	15	0	15	32	0	32
4:00 PM - 5:00 PM	8	0	8	14	0	14	18	0	18	40	0	40
5:00 PM - 6:00 PM	12	0	12	27	0	27	27	0	27	66	0	66
6:00 PM - 7:00 PM	4	0	4	3	0	3	13	0	13	20	0	20
PASSENGER	64 100.0%			56 100.0%			117 99.2%			237 99.6%		
TRUCK	0 0.0%			0 0.0%			1 0.8%			1 0.4%		
BOTH	64 26.9%			56 23.5%			118 49.6%			238 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	18	0	18	4	0	4	19	0	19	41	0	41
7:00 AM - 8:00 AM	44	0	44	15	0	15	40	0	40	99	0	99
8:00 AM - 9:00 AM	56	0	56	13	0	13	55	0	55	124	0	124
PM TIME PERIOD												
3:00 PM - 4:00 PM	22	0	22	8	0	8	29	0	29	59	0	59
4:00 PM - 5:00 PM	52	1	53	11	0	11	41	0	41	104	1	105
5:00 PM - 6:00 PM	49	0	49	11	0	11	33	0	33	93	0	93
6:00 PM - 7:00 PM	25	0	25	0	0	0	14	0	14	39	0	39
PASSENGER	266 99.6%			62 100.0%			231 100.0%			559 99.8%		
TRUCK	1 0.4%			0 0.0%			0 0.0%			1 0.2%		
BOTH	267 47.7%			62 11.1%			231 41.3%			560 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	384	1	385	3	0	3	392	1	393
7:00 AM - 8:00 AM	15	0	15	765	10	775	9	0	9	789	10	799
8:00 AM - 9:00 AM	28	1	29	856	5	861	7	0	7	891	6	897
PM TIME PERIOD												
3:00 PM - 4:00 PM	21	0	21	536	0	536	7	0	7	564	0	564
4:00 PM - 5:00 PM	43	0	43	1335	8	1343	14	0	14	1392	8	1400
5:00 PM - 6:00 PM	53	0	53	1732	2	1734	14	0	14	1799	2	1801
6:00 PM - 7:00 PM	29	0	29	661	1	662	4	0	4	694	1	695
PASSENGER	194 99.5%			6269 99.6%			58 100.0%			6521 99.6%		
TRUCK	1 0.5%			27 0.4%			0 0.0%			28 0.4%		
BOTH	195 3.0%			6296 96.1%			58 0.9%			6549 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	648	1	649	6	1	7	655	2	657
7:00 AM - 8:00 AM	15	0	15	1434	25	1459	29	0	29	1478	25	1503
8:00 AM - 9:00 AM	19	0	19	1220	12	1232	42	0	42	1281	12	1293
PM TIME PERIOD												
3:00 PM - 4:00 PM	9	0	9	402	1	403	38	0	38	449	1	450
4:00 PM - 5:00 PM	21	1	22	837	20	857	49	0	49	907	21	928
5:00 PM - 6:00 PM	17	0	17	949	1	950	61	0	61	1027	1	1028
6:00 PM - 7:00 PM	7	0	7	439	1	440	26	0	26	472	1	473
PASSENGER	89 98.9%			5929 99.0%			251 99.6%			6269 99.0%		
TRUCK	1 1.1%			61 1.0%			1 0.4%			63 1.0%		
BOTH	90 1.4%			5990 94.6%			252 4.0%			6332 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th St & River Ave (#13)  
7/16/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	10	10	103	123					37	101	450	588
SOUTHBOUND	141	74	39	254					92	24	38	154
EASTBOUND	45	916	22	983					64	1683	13	1760
WESTBOUND	302	1248	63	1613					131	968	151	1250

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.93	0.83			0.90	0.93
SOUTHBOUND	0.72				0.92	
EASTBOUND	0.93				0.93	
WESTBOUND	0.78				0.92	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	20.0%	0.0%	1.9%	3.3%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	17.7%	0.0%	33.3%	15.0%					5.4%	0.0%	2.6%	3.9%
EASTBOUND	35.6%	1.9%	4.5%	3.5%					10.9%	0.5%	0.0%	0.9%
WESTBOUND	0.3%	1.4%	30.2%	2.3%					0.0%	0.1%	1.3%	0.2%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	41	142	183	416	729	1145	1328
7:00 AM	TO	8:00 AM	122	286	408	886	1649	2535	2943
8:00 AM	TO	9:00 AM	138	199	337	925	1375	2300	2637
3:00 PM	TO	4:00 PM	92	87	179	534	499	1033	1212
4:00 PM	TO	5:00 PM	379	144	523	1243	1114	2357	2880
5:00 PM	TO	6:00 PM	588	154	742	1760	1250	3010	3752
6:00 PM	TO	7:00 PM	188	46	234	653	553	1206	1440
TOTAL VOLUME			1548	1058	2606	6417	7169	13586	16192
PERCENTAGE			9.6%	6.5%	16.1%	39.6%	44.3%	83.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th St & River Ave (#13)  
7/16/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	6	0	6	33	0	33	41	0	41
7:00 AM - 8:00 AM	8	1	9	19	0	19	92	2	94	119	3	122
8:00 AM - 9:00 AM	2	1	3	14	0	14	121	0	121	137	1	138
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	0	6	18	0	18	68	0	68	92	0	92
4:00 PM - 5:00 PM	21	0	21	51	1	52	306	0	306	378	1	379
5:00 PM - 6:00 PM	37	0	37	101	0	101	450	0	450	588	0	588
6:00 PM - 7:00 PM	13	0	13	18	0	18	157	0	157	188	0	188
PASSENGER	89 97.8%			227 99.6%			1227 99.8%			1543 99.7%		
TRUCK	2 2.2%			1 0.4%			2 0.2%			5 0.3%		
BOTH	91 5.9%			228 14.7%			1229 79.4%			1548 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	74	16	90	31	0	31	21	0	21	126	16	142
7:00 AM - 8:00 AM	145	17	162	73	0	73	34	17	51	252	34	286
8:00 AM - 9:00 AM	95	17	112	43	0	43	20	24	44	158	41	199
PM TIME PERIOD												
3:00 PM - 4:00 PM	35	12	47	5	0	5	14	21	35	54	33	87
4:00 PM - 5:00 PM	74	19	93	9	0	9	26	16	42	109	35	144
5:00 PM - 6:00 PM	87	5	92	24	0	24	37	1	38	148	6	154
6:00 PM - 7:00 PM	27	0	27	6	0	6	13	0	13	46	0	46
PASSENGER	537 86.2%			191 100.0%			165 67.6%			893 84.4%		
TRUCK	86 13.8%			0 0.0%			79 32.4%			165 15.6%		
BOTH	623 58.9%			191 18.1%			244 23.1%			1058 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	9	2	11	391	6	397	8	0	8	408	8	416
7:00 AM - 8:00 AM	22	11	33	813	16	829	24	0	24	859	27	886
8:00 AM - 9:00 AM	22	24	46	836	19	855	23	1	24	881	44	925
PM TIME PERIOD												
3:00 PM - 4:00 PM	22	24	46	471	10	481	7	0	7	500	34	534
4:00 PM - 5:00 PM	39	29	68	1120	26	1146	29	0	29	1188	55	1243
5:00 PM - 6:00 PM	57	7	64	1674	9	1683	13	0	13	1744	16	1760
6:00 PM - 7:00 PM	26	2	28	611	2	613	12	0	12	649	4	653
PASSENGER	197 66.6%			5916 98.5%			116 99.1%			6229 97.1%		
TRUCK	99 33.4%			88 1.5%			1 0.9%			188 2.9%		
BOTH	296 4.6%			6004 93.6%			117 1.8%			6417 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	97	1	98	578	8	586	30	15	45	705	24	729
7:00 AM - 8:00 AM	306	1	307	1259	17	1276	46	20	66	1611	38	1649
8:00 AM - 9:00 AM	218	1	219	1072	18	1090	39	27	66	1329	46	1375
PM TIME PERIOD												
3:00 PM - 4:00 PM	27	0	27	408	5	413	57	2	59	492	7	499
4:00 PM - 5:00 PM	121	0	121	877	0	877	115	1	116	1113	1	1114
5:00 PM - 6:00 PM	131	0	131	967	1	968	149	2	151	1247	3	1250
6:00 PM - 7:00 PM	71	0	71	423	2	425	56	1	57	550	3	553
PASSENGER	971 99.7%			5584 99.1%			492 87.9%			7047 98.3%		
TRUCK	3 0.3%			51 0.9%			68 12.1%			122 1.7%		
BOTH	974 13.6%			5635 78.6%			560 7.8%			7169 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
146th St & Allisonville Rd (#14)  
9/17/2012  
AJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	291	153	65	509					287	372	200	859
SOUTHBOUND	92	374	203	669					97	196	122	415
EASTBOUND	241	804	277	1322					83	1635	298	2016
WESTBOUND	160	1475	50	1685					101	983	84	1168

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.78	0.93			0.91	0.94
SOUTHBOUND	0.91				0.94	
EASTBOUND	0.89				0.95	
WESTBOUND	0.99				0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	5.8%	3.3%	1.5%	4.5%					1.4%	1.1%	1.0%	1.2%
SOUTHBOUND	5.4%	2.4%	5.4%	3.7%					7.2%	2.0%	3.3%	3.6%
EASTBOUND	0.0%	3.0%	1.4%	2.1%					4.8%	2.8%	0.7%	2.5%
WESTBOUND	1.9%	3.1%	6.0%	3.0%					1.0%	1.8%	2.4%	1.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	209	342	551	683	798	1481	2032
7:00 AM	TO	8:00 AM	524	686	1210	1255	1640	2895	4105
8:00 AM	TO	9:00 AM	406	520	926	1199	1414	2613	3539
3:00 PM	TO	4:00 PM	310	187	497	560	409	969	1466
4:00 PM	TO	5:00 PM	684	386	1070	1573	1010	2583	3653
5:00 PM	TO	6:00 PM	888	402	1290	1964	1158	3122	4412
6:00 PM	TO	7:00 PM	373	126	499	805	483	1288	1787
TOTAL VOLUME			3394	2649	6043	8039	6912	14951	20994
PERCENTAGE			16.2%	12.6%	28.8%	38.3%	32.9%	71.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th St & Allisonville Rd (#14)  
9/17/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	112	0	112	58	1	59	38	0	38	208	1	209
7:00 AM - 8:00 AM	276	16	292	150	5	155	75	2	77	501	23	524
8:00 AM - 9:00 AM	200	11	211	128	4	132	60	3	63	388	18	406
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	98	8	106	127	2	129	70	5	75	295	15	310
4:00 PM - 5:00 PM	251	7	258	275	2	277	145	4	149	671	13	684
5:00 PM - 6:00 PM	280	3	283	394	4	398	206	1	207	880	8	888
6:00 PM - 7:00 PM	141	1	142	146	1	147	83	1	84	370	3	373
<b>PASSENGER</b>	1358 96.7%			1278 98.5%			677 97.7%			3313 97.6%		
<b>TRUCK</b>	46 3.3%			19 1.5%			16 2.3%			81 2.4%		
<b>BOTH</b>	1404 41.4%			1297 38.2%			693 20.4%			3394 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	80	5	85	148	1	149	106	2	108	334	8	342
7:00 AM - 8:00 AM	77	6	83	381	9	390	207	6	213	665	21	686
8:00 AM - 9:00 AM	95	4	99	266	8	274	133	14	147	494	26	520
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	49	2	51	89	1	90	42	4	46	180	7	187
4:00 PM - 5:00 PM	99	7	106	162	7	169	107	4	111	368	18	386
5:00 PM - 6:00 PM	99	5	104	181	2	183	111	4	115	391	11	402
6:00 PM - 7:00 PM	31	2	33	61	0	61	31	1	32	123	3	126
<b>PASSENGER</b>	530 94.5%			1288 97.9%			737 95.5%			2555 96.5%		
<b>TRUCK</b>	31 5.5%			28 2.1%			35 4.5%			94 3.5%		
<b>BOTH</b>	561 21.2%			1316 49.7%			772 29.1%			2649 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	136	0	136	429	5	434	113	0	113	678	5	683
7:00 AM - 8:00 AM	219	1	220	760	18	778	254	3	257	1233	22	1255
8:00 AM - 9:00 AM	220	2	222	662	26	688	275	14	289	1157	42	1199
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	6	5	11	402	31	433	112	4	116	520	40	560
4:00 PM - 5:00 PM	60	6	66	1199	50	1249	247	11	258	1506	67	1573
5:00 PM - 6:00 PM	75	7	82	1547	41	1588	292	2	294	1914	50	1964
6:00 PM - 7:00 PM	61	5	66	615	18	633	102	4	106	778	27	805
<b>PASSENGER</b>	777 96.8%			5614 96.7%			1395 97.3%			7786 96.9%		
<b>TRUCK</b>	26 3.2%			189 3.3%			38 2.7%			253 3.1%		
<b>BOTH</b>	803 10.0%			5803 72.2%			1433 17.8%			8039 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	74	1	75	659	30	689	33	1	34	766	32	798
7:00 AM - 8:00 AM	143	3	146	1398	42	1440	51	3	54	1592	48	1640
8:00 AM - 9:00 AM	177	2	179	1131	39	1170	56	9	65	1364	50	1414
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	48	2	50	313	11	324	30	5	35	391	18	409
4:00 PM - 5:00 PM	89	0	89	798	30	828	84	9	93	971	39	1010
5:00 PM - 6:00 PM	95	2	97	957	14	971	89	1	90	1141	17	1158
6:00 PM - 7:00 PM	36	1	37	403	4	407	37	2	39	476	7	483
<b>PASSENGER</b>	662 98.4%			5659 97.1%			380 92.7%			6701 96.9%		
<b>TRUCK</b>	11 1.6%			170 2.9%			30 7.3%			211 3.1%		
<b>BOTH</b>	673 9.7%			5829 84.3%			410 5.9%			6912 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 146th St & Herriman Blvd (#15)  
 6/13/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	38	14	3	55					23	7	21
SOUTHBOUND	138	10	71	219					225	8	122	355
EASTBOUND	98	851	13	962					99	2034	24	2157
WESTBOUND	61	1408	253	1722					32	1088	137	1257

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.72					0.75
SOUTHBOUND	0.73	0.92				0.72	0.93
EASTBOUND	0.86					0.92	
WESTBOUND	0.91					0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	5.3%	0.0%	0.0%	3.6%					0.0%	0.0%	0.0%
SOUTHBOUND	3.6%	0.0%	2.8%	3.2%					1.8%	0.0%	0.0%	1.1%
EASTBOUND	0.0%	3.4%	0.0%	3.0%					3.0%	0.8%	0.0%	0.9%
WESTBOUND	0.0%	1.4%	0.8%	1.3%					0.0%	1.3%	0.7%	1.2%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	37	112	149	561	836	1397	1546
7:00 AM	TO	8:00 AM	49	181	230	952	1651	2603	2833
8:00 AM	TO	9:00 AM	53	233	286	945	1373	2318	2604
3:00 PM	TO	4:00 PM	33	111	144	604	497	1101	1245
4:00 PM	TO	5:00 PM	53	321	374	1693	1039	2732	3106
5:00 PM	TO	6:00 PM	51	355	406	2157	1257	3414	3820
6:00 PM	TO	7:00 PM	24	107	131	990	535	1525	1656
TOTAL VOLUME			300	1420	1720	7902	7188	15090	16810
PERCENTAGE			1.8%	8.4%	10.2%	47.0%	42.8%	89.8%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th St & Herriman Blvd (#15)  
6/13/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	26	0	26	6	0	6	5	0	5	37	0	37
7:00 AM - 8:00 AM	28	3	31	15	0	15	3	0	3	46	3	49
8:00 AM - 9:00 AM	34	2	36	12	0	12	4	1	5	50	3	53
PM TIME PERIOD												
3:00 PM - 4:00 PM	19	0	19	4	2	6	8	0	8	31	2	33
4:00 PM - 5:00 PM	23	0	23	7	0	7	23	0	23	53	0	53
5:00 PM - 6:00 PM	23	0	23	7	0	7	21	0	21	51	0	51
6:00 PM - 7:00 PM	10	0	10	3	0	3	11	0	11	24	0	24
PASSENGER	163 97.0%			54 96.4%			75 98.7%			292 97.3%		
TRUCK	5 3.0%			2 3.6%			1 1.3%			8 2.7%		
BOTH	168 56.0%			56 18.7%			76 25.3%			300 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	74	4	78	3	0	3	30	1	31	107	5	112
7:00 AM - 8:00 AM	103	5	108	10	0	10	59	4	63	172	9	181
8:00 AM - 9:00 AM	146	5	151	9	0	9	72	1	73	227	6	233
PM TIME PERIOD												
3:00 PM - 4:00 PM	76	7	83	1	0	1	27	0	27	104	7	111
4:00 PM - 5:00 PM	223	8	231	7	0	7	80	3	83	310	11	321
5:00 PM - 6:00 PM	221	4	225	8	0	8	122	0	122	351	4	355
6:00 PM - 7:00 PM	63	1	64	3	0	3	40	0	40	106	1	107
PASSENGER	906 96.4%			41 100.0%			430 97.9%			1377 97.0%		
TRUCK	34 3.6%			0 0.0%			9 2.1%			43 3.0%		
BOTH	940 66.2%			41 2.9%			439 30.9%			1420 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	29	1	30	511	9	520	11	0	11	551	10	561
7:00 AM - 8:00 AM	92	0	92	823	24	847	13	0	13	928	24	952
8:00 AM - 9:00 AM	86	1	87	823	24	847	11	0	11	920	25	945
PM TIME PERIOD												
3:00 PM - 4:00 PM	47	0	47	534	14	548	9	0	9	590	14	604
4:00 PM - 5:00 PM	92	2	94	1542	30	1572	27	0	27	1661	32	1693
5:00 PM - 6:00 PM	96	3	99	2018	16	2034	24	0	24	2138	19	2157
6:00 PM - 7:00 PM	58	0	58	918	10	928	4	0	4	980	10	990
PASSENGER	500 98.6%			7169 98.3%			99 100.0%			7768 98.3%		
TRUCK	7 1.4%			127 1.7%			0 0.0%			134 1.7%		
BOTH	507 6.4%			7296 92.3%			99 1.3%			7902 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	38	3	41	671	10	681	114	0	114	823	13	836
7:00 AM - 8:00 AM	53	0	53	1335	21	1356	239	3	242	1627	24	1651
8:00 AM - 9:00 AM	45	0	45	1136	23	1159	165	4	169	1346	27	1373
PM TIME PERIOD												
3:00 PM - 4:00 PM	21	1	22	377	12	389	83	3	86	481	16	497
4:00 PM - 5:00 PM	22	1	23	867	13	880	130	6	136	1019	20	1039
5:00 PM - 6:00 PM	32	0	32	1074	14	1088	136	1	137	1242	15	1257
6:00 PM - 7:00 PM	15	0	15	440	7	447	71	2	73	526	9	535
PASSENGER	226 97.8%			5900 98.3%			938 98.0%			7064 98.3%		
TRUCK	5 2.2%			100 1.7%			19 2.0%			124 1.7%		
BOTH	231 3.2%			6000 83.5%			957 13.3%			7188 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
146th St & SR 37 (#16)  
9/19/2012  
AJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	372	608	213	1193					377	1147	239	1763
SOUTHBOUND	82	1023	604	1709					192	868	302	1362
EASTBOUND	186	523	307	1016					535	1114	420	2069
WESTBOUND	199	810	59	1068					256	751	160	1167

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.97	0.94			0.96	0.98
SOUTHBOUND	0.92				0.96	
EASTBOUND	0.88				0.95	
WESTBOUND	0.88				0.96	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	4.8%	6.1%	3.8%	5.3%					1.3%	1.4%	0.4%	1.2%
SOUTHBOUND	3.7%	2.0%	2.3%	2.2%					0.0%	4.0%	0.7%	2.7%
EASTBOUND	1.1%	2.7%	5.2%	3.1%					0.9%	1.8%	5.0%	2.2%
WESTBOUND	0.5%	1.6%	6.8%	1.7%					1.6%	1.9%	0.6%	1.6%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	730	1291	2021	633	599	1232	3253
7:00 AM	TO	8:00 AM	1149	1722	2871	982	1095	2077	4948
8:00 AM	TO	9:00 AM	1107	1320	2427	1056	926	1982	4409
3:00 PM	TO	4:00 PM	709	616	1325	665	520	1185	2510
4:00 PM	TO	5:00 PM	1668	1231	2899	1736	1017	2753	5652
5:00 PM	TO	6:00 PM	1702	1390	3092	2042	1125	3167	6259
6:00 PM	TO	7:00 PM	735	638	1373	928	497	1425	2798
TOTAL VOLUME			7800	8208	16008	8042	5779	13821	29829
PERCENTAGE			26.1%	27.5%	53.7%	27.0%	19.4%	46.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th St & SR 37 (#16)  
9/19/2012

DIRECTION OF TRAVEL : NORTHBOUND

hour	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	148	15	163	340	23	363	201	3	204	689	41	730
7:00 AM - 8:00 AM	368	18	386	508	37	545	212	6	218	1088	61	1149
8:00 AM - 9:00 AM	277	29	306	604	40	644	147	10	157	1028	79	1107
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	134	5	139	467	12	479	88	3	91	689	20	709
4:00 PM - 5:00 PM	298	20	318	1108	31	1139	207	4	211	1613	55	1668
5:00 PM - 6:00 PM	374	3	377	1082	16	1098	227	0	227	1683	19	1702
6:00 PM - 7:00 PM	142	4	146	482	8	490	97	2	99	721	14	735
PASSENGER	1741 94.9%			4591 96.5%			1179 97.7%			7511 96.3%		
TRUCK	94 5.1%			167 3.5%			28 2.3%			289 3.7%		
BOTH	1835 23.5%			4758 61.0%			1207 15.5%			7800 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

hour	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	58	2	60	932	22	954	272	5	277	1262	29	1291
7:00 AM - 8:00 AM	79	5	84	1010	19	1029	599	10	609	1688	34	1722
8:00 AM - 9:00 AM	78	0	78	842	21	863	363	16	379	1283	37	1320
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	86	0	86	399	22	421	104	5	109	589	27	616
4:00 PM - 5:00 PM	134	2	136	795	51	846	245	4	249	1174	57	1231
5:00 PM - 6:00 PM	210	1	211	838	32	870	306	3	309	1354	36	1390
6:00 PM - 7:00 PM	82	0	82	399	10	409	144	3	147	625	13	638
PASSENGER	727 98.6%			5215 96.7%			2033 97.8%			7975 97.2%		
TRUCK	10 1.4%			177 3.3%			46 2.2%			233 2.8%		
BOTH	737 9.0%			5392 65.7%			2079 25.3%			8208 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

hour	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	80	3	83	251	3	254	287	9	296	618	15	633
7:00 AM - 8:00 AM	172	2	174	482	13	495	300	13	313	954	28	982
8:00 AM - 9:00 AM	183	4	187	488	32	520	321	28	349	992	64	1056
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	151	7	158	310	19	329	164	14	178	625	40	665
4:00 PM - 5:00 PM	430	12	442	886	15	901	372	21	393	1688	48	1736
5:00 PM - 6:00 PM	492	1	493	1125	15	1140	393	16	409	2010	32	2042
6:00 PM - 7:00 PM	189	2	191	514	5	519	213	5	218	916	12	928
PASSENGER	1697 98.2%			4056 97.5%			2050 95.1%			7803 97.0%		
TRUCK	31 1.8%			102 2.5%			106 4.9%			239 3.0%		
BOTH	1728 21.5%			4158 51.7%			2156 26.8%			8042 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

hour	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	145	6	151	402	8	410	36	2	38	583	16	599
7:00 AM - 8:00 AM	185	1	186	841	11	852	55	2	57	1081	14	1095
8:00 AM - 9:00 AM	198	7	205	645	19	664	52	5	57	895	31	926
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	132	5	137	297	16	313	67	3	70	496	24	520
4:00 PM - 5:00 PM	248	5	253	619	16	635	127	2	129	994	23	1017
5:00 PM - 6:00 PM	239	3	242	712	15	727	155	1	156	1106	19	1125
6:00 PM - 7:00 PM	89	0	89	339	5	344	64	0	64	492	5	497
PASSENGER	1236 97.9%			3855 97.7%			556 97.4%			5647 97.7%		
TRUCK	27 2.1%			90 2.3%			15 2.6%			132 2.3%		
BOTH	1263 21.9%			3945 68.3%			571 9.9%			5779 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
146th St & Cumberland Rd (#17)  
9/21/2012  
KP - Video

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	91	110	53	254					124	179	72
SOUTHBOUND	9	99	94	202					70	155	191	416
EASTBOUND	124	500	93	717					167	1128	275	1570
WESTBOUND	69	816	47	932					69	686	41	796

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.74					0.82
SOUTHBOUND	0.92	0.95				0.79	0.88
EASTBOUND	0.87					0.88	
WESTBOUND	0.92					0.83	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	2.7%	5.7%	2.4%					1.6%	2.2%	2.8%
SOUTHBOUND	11.1%	0.0%	5.3%	3.0%					2.9%	0.0%	3.7%	2.2%
EASTBOUND	2.4%	5.6%	1.1%	4.5%					0.0%	1.5%	1.1%	1.3%
WESTBOUND	5.8%	2.7%	4.3%	3.0%					0.0%	2.0%	0.0%	1.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	96	96	192	304	322	626	818
7:00 AM	TO	8:00 AM	268	195	463	690	925	1615	2078
8:00 AM	TO	9:00 AM	105	111	216	322	411	733	949
2:00 PM	TO	3:00 PM	184	189	373	622	506	1128	1501
3:00 PM	TO	4:00 PM	249	287	536	814	627	1441	1977
4:00 PM	TO	5:00 PM	421	344	765	1172	780	1952	2717
5:00 PM	TO	6:00 PM	375	416	791	1570	796	2366	3157
TOTAL VOLUME			1788	1716	3504	5838	4561	10399	13903
PERCENTAGE			12.9%	12.3%	25.2%	42.0%	32.8%	74.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
146th St & Cumberland Rd (#17)  
9/21/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	33	1	34	33	1	34	23	5	28	89	7	96
7:00 AM - 8:00 AM	95	0	95	110	2	112	55	6	61	260	8	268
8:00 AM - 9:00 AM	50	0	50	35	1	36	17	2	19	102	3	105
PM TIME PERIOD												
2:00 PM - 3:00 PM	66	1	67	84	0	84	27	6	33	177	7	184
3:00 PM - 4:00 PM	81	1	82	112	2	114	50	3	53	243	6	249
4:00 PM - 5:00 PM	125	2	127	207	1	208	86	0	86	418	3	421
5:00 PM - 6:00 PM	122	2	124	175	4	179	70	2	72	367	8	375
PASSENGER	592 98.8%			803 98.6%			350 93.3%			1745 97.6%		
TRUCK	7 1.2%			11 1.4%			25 6.7%			43 2.4%		
BOTH	599 33.5%			814 45.5%			375 21.0%			1788 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	35	0	35	60	0	60	96	0	96
7:00 AM - 8:00 AM	9	1	10	89	0	89	93	3	96	191	4	195
8:00 AM - 9:00 AM	10	1	11	39	0	39	58	3	61	107	4	111
PM TIME PERIOD												
2:00 PM - 3:00 PM	21	0	21	75	5	80	83	5	88	179	10	189
3:00 PM - 4:00 PM	38	1	39	100	3	103	136	9	145	274	13	287
4:00 PM - 5:00 PM	43	0	43	135	6	141	150	10	160	328	16	344
5:00 PM - 6:00 PM	68	2	70	155	0	155	184	7	191	407	9	416
PASSENGER	208 97.7%			657 97.8%			793 95.4%			1658 96.6%		
TRUCK	5 2.3%			15 2.2%			38 4.6%			58 3.4%		
BOTH	213 12.4%			672 39.2%			831 48.4%			1716 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	64	1	65	209	6	215	23	1	24	296	8	304
7:00 AM - 8:00 AM	127	4	131	450	18	468	90	1	91	667	23	690
8:00 AM - 9:00 AM	42	0	42	233	18	251	28	1	29	303	19	322
PM TIME PERIOD												
2:00 PM - 3:00 PM	80	9	89	421	29	450	82	1	83	583	39	622
3:00 PM - 4:00 PM	94	4	98	565	36	601	113	2	115	772	42	814
4:00 PM - 5:00 PM	127	5	132	847	26	873	165	2	167	1139	33	1172
5:00 PM - 6:00 PM	167	0	167	1111	17	1128	272	3	275	1550	20	1570
PASSENGER	729 96.9%			4106 96.3%			813 98.7%			5648 96.7%		
TRUCK	23 3.1%			156 3.7%			11 1.3%			190 3.3%		
BOTH	752 12.9%			4262 73.0%			824 14.1%			5838 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	16	0	16	292	6	298	8	0	8	316	6	322
7:00 AM - 8:00 AM	60	4	64	799	22	821	39	1	40	898	27	925
8:00 AM - 9:00 AM	29	0	29	347	16	363	18	1	19	394	17	411
PM TIME PERIOD												
2:00 PM - 3:00 PM	41	3	44	387	42	429	32	1	33	460	46	506
3:00 PM - 4:00 PM	45	2	47	507	34	541	39	0	39	591	36	627
4:00 PM - 5:00 PM	62	9	71	624	27	651	58	0	58	744	36	780
5:00 PM - 6:00 PM	69	0	69	672	14	686	41	0	41	782	14	796
PASSENGER	332 94.9%			3791 95.8%			249 98.8%			4372 95.9%		
TRUCK	18 5.1%			168 4.2%			3 1.2%			189 4.1%		
BOTH	350 7.7%			3959 86.8%			252 5.5%			4561 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
146th St & Howe Rd (#18)  
10/4/2012  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	39	24	25	88					18	54	25	97
SOUTHBOUND	30	44	101	175					47	33	57	137
EASTBOUND	14	435	17	466					119	1076	56	1251
WESTBOUND	17	871	37	925					32	737	41	810

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.81				0.81	
SOUTHBOUND	0.72	0.96			0.88	0.93
EASTBOUND	0.93				0.88	
WESTBOUND	0.94				0.96	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	1.0%	0.6%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	5.5%	5.9%	5.4%					0.0%	0.7%	0.0%	0.6%
WESTBOUND	0.0%	3.0%	2.7%	2.9%					0.0%	1.4%	2.4%	1.4%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	47	79	126	144	339	483	609
7:00 AM	TO	8:00 AM	88	175	263	466	925	1391	1654
8:00 AM	TO	9:00 AM	37	92	129	263	411	674	803
2:00 PM	TO	3:00 PM	35	70	105	535	443	978	1083
3:00 PM	TO	4:00 PM	60	101	161	669	577	1246	1407
4:00 PM	TO	5:00 PM	85	127	212	911	683	1594	1806
5:00 PM	TO	6:00 PM	97	137	234	1251	810	2061	2295
TOTAL VOLUME			449	781	1230	4239	4188	8427	9657
PERCENTAGE			4.6%	8.1%	12.7%	43.9%	43.4%	87.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
146th St & Howe Rd (#18)  
10/4/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	12	0	12	17	0	17	18	0	18	47	0	47
7:00 AM - 8:00 AM	39	0	39	24	0	24	25	0	25	88	0	88
8:00 AM - 9:00 AM	13	0	13	14	1	15	8	1	9	35	2	37
PM TIME PERIOD												
2:00 PM - 3:00 PM	7	0	7	13	1	14	14	0	14	34	1	35
3:00 PM - 4:00 PM	18	0	18	26	0	26	15	1	16	59	1	60
4:00 PM - 5:00 PM	24	0	24	44	0	44	16	1	17	84	1	85
5:00 PM - 6:00 PM	18	0	18	54	0	54	25	0	25	97	0	97
PASSENGER	131 100.0%			192 99.0%			121 97.6%			444 98.9%		
TRUCK	0 0.0%			2 1.0%			3 2.4%			5 1.1%		
BOTH	131 29.2%			194 43.2%			124 27.6%			449 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	11	0	11	19	0	19	48	1	49	78	1	79
7:00 AM - 8:00 AM	30	0	30	44	0	44	100	1	101	174	1	175
8:00 AM - 9:00 AM	15	5	20	23	0	23	49	0	49	87	5	92
PM TIME PERIOD												
2:00 PM - 3:00 PM	13	1	14	23	0	23	32	1	33	68	2	70
3:00 PM - 4:00 PM	42	3	45	26	0	26	30	0	30	98	3	101
4:00 PM - 5:00 PM	53	0	53	30	2	32	40	2	42	123	4	127
5:00 PM - 6:00 PM	47	0	47	33	0	33	57	0	57	137	0	137
PASSENGER	211 95.9%			198 99.0%			356 98.6%			765 98.0%		
TRUCK	9 4.1%			2 1.0%			5 1.4%			16 2.0%		
BOTH	220 28.2%			200 25.6%			361 46.2%			781 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	130	8	138	3	0	3	136	8	144
7:00 AM - 8:00 AM	14	0	14	411	24	435	16	1	17	441	25	466
8:00 AM - 9:00 AM	14	1	15	215	26	241	6	1	7	235	28	263
PM TIME PERIOD												
2:00 PM - 3:00 PM	51	0	51	440	26	466	17	1	18	508	27	535
3:00 PM - 4:00 PM	66	1	67	548	31	579	22	1	23	636	33	669
4:00 PM - 5:00 PM	86	1	87	761	23	784	40	0	40	887	24	911
5:00 PM - 6:00 PM	119	0	119	1069	7	1076	56	0	56	1244	7	1251
PASSENGER	353 99.2%			3574 96.1%			160 97.6%			4087 96.4%		
TRUCK	3 0.8%			145 3.9%			4 2.4%			152 3.6%		
BOTH	356 8.4%			3719 87.7%			164 3.9%			4239 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	299	7	306	27	1	28	331	8	339
7:00 AM - 8:00 AM	17	0	17	845	26	871	36	1	37	898	27	925
8:00 AM - 9:00 AM	9	0	9	378	16	394	7	1	8	394	17	411
PM TIME PERIOD												
2:00 PM - 3:00 PM	11	1	12	377	31	408	22	1	23	410	33	443
3:00 PM - 4:00 PM	29	5	34	488	30	518	23	2	25	540	37	577
4:00 PM - 5:00 PM	34	1	35	598	30	628	20	0	20	652	31	683
5:00 PM - 6:00 PM	32	0	32	727	10	737	40	1	41	799	11	810
PASSENGER	137 95.1%			3712 96.1%			175 96.2%			4024 96.1%		
TRUCK	7 4.9%			150 3.9%			7 3.8%			164 3.9%		
BOTH	144 3.4%			3862 92.2%			182 4.3%			4188 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
146th St & Promise Rd (#19)  
10/10/2012  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	103	63	16	182					85	123	30
SOUTHBOUND	12	82	78	172					23	89	61	173
EASTBOUND	31	416	57	504					112	864	132	1108
WESTBOUND	18	729	17	764					36	598	42	676

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.83					0.88
SOUTHBOUND	0.98	0.89				0.85	0.94
EASTBOUND	0.87					0.97	
WESTBOUND	0.88					0.91	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1.0%	1.6%	6.3%	1.6%					3.5%	0.0%	0.0%
SOUTHBOUND	8.3%	0.0%	1.3%	1.2%					0.0%	1.1%	0.0%	0.6%
EASTBOUND	3.2%	4.6%	1.8%	4.2%					0.9%	0.7%	2.3%	0.9%
WESTBOUND	0.0%	2.2%	0.0%	2.1%					0.0%	2.0%	0.0%	1.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	49	76	125	164	248	412	537
7:00 AM	TO	8:00 AM	182	172	354	504	764	1268	1622
8:00 AM	TO	9:00 AM	70	72	142	262	318	580	722
2:00 PM	TO	3:00 PM	119	111	230	441	387	828	1058
3:00 PM	TO	4:00 PM	144	161	305	639	488	1127	1432
4:00 PM	TO	5:00 PM	176	146	322	875	636	1511	1833
5:00 PM	TO	6:00 PM	234	177	411	1086	666	1752	2163
TOTAL VOLUME			974	915	1889	3971	3507	7478	9367
PERCENTAGE			10.4%	9.8%	20.2%	42.4%	37.4%	79.8%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
146th St & Promise Rd (#19)  
10/10/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	26	0	26	19	1	20	2	1	3	47	2	49
7:00 AM - 8:00 AM	102	1	103	62	1	63	15	1	16	179	3	182
8:00 AM - 9:00 AM	39	1	40	24	0	24	6	0	6	69	1	70
PM TIME PERIOD												
2:00 PM - 3:00 PM	44	0	44	59	5	64	8	3	11	111	8	119
3:00 PM - 4:00 PM	53	3	56	65	4	69	16	3	19	134	10	144
4:00 PM - 5:00 PM	77	4	81	81	2	83	11	1	12	169	7	176
5:00 PM - 6:00 PM	68	2	70	132	0	132	32	0	32	232	2	234
PASSENGER	409 97.4%			442 97.1%			90 90.9%			941 96.6%		
TRUCK	11 2.6%			13 2.9%			9 9.1%			33 3.4%		
BOTH	420 43.1%			455 46.7%			99 10.2%			974 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	15	0	15	19	0	19	42	0	42	76	0	76
7:00 AM - 8:00 AM	11	1	12	82	0	82	77	1	78	170	2	172
8:00 AM - 9:00 AM	5	0	5	31	0	31	35	1	36	71	1	72
PM TIME PERIOD												
2:00 PM - 3:00 PM	21	1	22	51	1	52	36	1	37	108	3	111
3:00 PM - 4:00 PM	14	0	14	82	1	83	59	5	64	155	6	161
4:00 PM - 5:00 PM	18	0	18	67	3	70	57	1	58	142	4	146
5:00 PM - 6:00 PM	25	0	25	92	1	93	59	0	59	176	1	177
PASSENGER	109 98.2%			424 98.6%			365 97.6%			898 98.1%		
TRUCK	2 1.8%			6 1.4%			9 2.4%			17 1.9%		
BOTH	111 12.1%			430 47.0%			374 40.9%			915 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	11	4	15	139	3	142	7	0	7	157	7	164
7:00 AM - 8:00 AM	30	1	31	397	19	416	56	1	57	483	21	504
8:00 AM - 9:00 AM	25	7	32	199	12	211	18	1	19	242	20	262
PM TIME PERIOD												
2:00 PM - 3:00 PM	42	0	42	349	17	366	30	3	33	421	20	441
3:00 PM - 4:00 PM	62	3	65	494	25	519	51	4	55	607	32	639
4:00 PM - 5:00 PM	91	1	92	677	16	693	89	1	90	857	18	875
5:00 PM - 6:00 PM	120	0	120	819	6	825	139	2	141	1078	8	1086
PASSENGER	381 96.0%			3074 96.9%			390 97.0%			3845 96.8%		
TRUCK	16 4.0%			98 3.1%			12 3.0%			126 3.2%		
BOTH	397 10.0%			3172 79.9%			402 10.1%			3971 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	7	0	7	234	5	239	2	0	2	243	5	248
7:00 AM - 8:00 AM	18	0	18	713	16	729	17	0	17	748	16	764
8:00 AM - 9:00 AM	6	1	7	285	18	303	8	0	8	299	19	318
PM TIME PERIOD												
2:00 PM - 3:00 PM	13	3	16	332	21	353	17	1	18	362	25	387
3:00 PM - 4:00 PM	22	0	22	424	21	445	21	0	21	467	21	488
4:00 PM - 5:00 PM	23	2	25	544	21	565	44	2	46	611	25	636
5:00 PM - 6:00 PM	37	0	37	572	10	582	47	0	47	656	10	666
PASSENGER	126 95.5%			3104 96.5%			156 98.1%			3386 96.5%		
TRUCK	6 4.5%			112 3.5%			3 1.9%			121 3.5%		
BOTH	132 3.8%			3216 91.7%			159 4.5%			3507 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

The City of Noblesville  
Marilyn Road & 146th Street/Campus Pkwy (#20)  
6/11/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	81	53	95	229					58	83	68
SOUTHBOUND	24	63	78	165					17	81	34	132
EASTBOUND	12	448	24	484					130	772	105	1007
WESTBOUND	22	545	7	574					90	580	14	684

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.82					0.84
SOUTHBOUND	0.78	0.89				0.75	0.96
EASTBOUND	0.88					0.96	
WESTBOUND	0.90					0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1.2%	0.0%	0.0%	0.4%					3.4%	1.2%	1.5%
SOUTHBOUND	0.0%	6.3%	2.6%	3.6%					0.0%	1.2%	0.0%	0.8%
EASTBOUND	0.0%	5.6%	20.8%	6.2%					0.8%	1.6%	0.0%	1.3%
WESTBOUND	0.0%	5.9%	0.0%	5.6%					0.0%	3.3%	0.0%	2.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	140	98	238	205	323	528	766
7:00 AM	TO	8:00 AM	231	166	397	493	549	1042	1439
8:00 AM	TO	9:00 AM	181	138	319	430	454	884	1203
3:00 PM	TO	4:00 PM	68	55	123	323	277	600	723
4:00 PM	TO	5:00 PM	144	104	248	754	538	1292	1540
5:00 PM	TO	6:00 PM	209	132	341	1007	684	1691	2032
6:00 PM	TO	7:00 PM	105	54	159	460	298	758	917
TOTAL VOLUME			1078	747	1825	3672		6795	8620
PERCENTAGE			12.5%	8.7%	21.2%	42.6%		78.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

The City of Noblesville  
Marilyn Road & 146th Street/Campus Pkwy (#20)  
6/11/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	43	0	43	16	1	17	79	1	80	138	2	140
7:00 AM - 8:00 AM	81	2	83	51	0	51	97	0	97	229	2	231
8:00 AM - 9:00 AM	63	0	63	49	1	50	67	1	68	179	2	181
PM TIME PERIOD												
3:00 PM - 4:00 PM	21	1	22	25	1	26	18	2	20	64	4	68
4:00 PM - 5:00 PM	46	4	50	50	0	50	41	3	44	137	7	144
5:00 PM - 6:00 PM	56	2	58	82	1	83	67	1	68	205	4	209
6:00 PM - 7:00 PM	26	0	26	35	1	36	42	1	43	103	2	105
PASSENGER	336 97.4%			308 98.4%			411 97.9%			1055 97.9%		
TRUCK	9 2.6%			5 1.6%			9 2.1%			23 2.1%		
BOTH	345 32.0%			313 29.0%			420 39.0%			1078 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	25	0	25	20	0	20	53	0	53	98	0	98
7:00 AM - 8:00 AM	27	0	27	55	3	58	79	2	81	161	5	166
8:00 AM - 9:00 AM	22	0	22	48	1	49	67	0	67	137	1	138
PM TIME PERIOD												
3:00 PM - 4:00 PM	7	0	7	25	4	29	19	0	19	51	4	55
4:00 PM - 5:00 PM	15	0	15	61	1	62	26	1	27	102	2	104
5:00 PM - 6:00 PM	17	0	17	80	1	81	34	0	34	131	1	132
6:00 PM - 7:00 PM	6	0	6	35	0	35	13	0	13	54	0	54
PASSENGER	119 100.0%			324 97.0%			291 99.0%			734 98.3%		
TRUCK	0 0.0%			10 3.0%			3 1.0%			13 1.7%		
BOTH	119 15.9%			334 44.7%			294 39.4%			747 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	0	8	186	3	189	8	0	8	202	3	205
7:00 AM - 8:00 AM	10	0	10	443	23	466	13	4	17	466	27	493
8:00 AM - 9:00 AM	18	0	18	350	28	378	31	3	34	399	31	430
PM TIME PERIOD												
3:00 PM - 4:00 PM	29	1	30	256	17	273	20	0	20	305	18	323
4:00 PM - 5:00 PM	78	3	81	587	24	611	60	2	62	725	29	754
5:00 PM - 6:00 PM	129	1	130	760	12	772	105	0	105	994	13	1007
6:00 PM - 7:00 PM	73	0	73	328	9	337	50	0	50	451	9	460
PASSENGER	345 98.6%			2910 96.2%			287 97.0%			3542 96.5%		
TRUCK	5 1.4%			116 3.8%			9 3.0%			130 3.5%		
BOTH	350 9.5%			3026 82.4%			296 8.1%			3672 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	296	15	311	7	0	7	308	15	323
7:00 AM - 8:00 AM	18	0	18	500	25	525	6	0	6	524	25	549
8:00 AM - 9:00 AM	27	1	28	384	37	421	5	0	5	416	38	454
PM TIME PERIOD												
3:00 PM - 4:00 PM	28	1	29	226	16	242	6	0	6	260	17	277
4:00 PM - 5:00 PM	79	2	81	408	25	433	24	0	24	511	27	538
5:00 PM - 6:00 PM	90	0	90	561	19	580	14	0	14	665	19	684
6:00 PM - 7:00 PM	37	0	37	243	6	249	12	0	12	292	6	298
PASSENGER	284 98.6%			2618 94.8%			74 100.0%			2976 95.3%		
TRUCK	4 1.4%			143 5.2%			0 0.0%			147 4.7%		
BOTH	288 9.2%			2761 88.4%			74 2.4%			3123 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 146th St/Campus Pkwy & Boden Rd (#21)  
 8/29/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	429		59	488					241		37	278
EASTBOUND	20	524		544					43	713		756
WESTBOUND		534	98	632						657	455	1112

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
SOUTHBOUND	0.69				0.89	
EASTBOUND	0.91	0.97			0.94	0.95
WESTBOUND	0.92				0.89	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	1.9%		5.1%	2.3%					1.7%		0.0%	1.4%
EASTBOUND	15.0%	4.2%		4.6%					7.0%	3.1%		3.3%
WESTBOUND		5.4%	11.2%	6.3%						2.4%	1.8%	2.2%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		392	392	257	350	607	999
7:00 AM	TO	8:00 AM		488	488	544	632	1176	1664
8:00 AM	TO	9:00 AM		348	348	480	595	1075	1423
3:00 PM	TO	4:00 PM		124	124	239	469	708	832
4:00 PM	TO	5:00 PM		253	253	644	975	1619	1872
5:00 PM	TO	6:00 PM		270	270	763	1111	1874	2144
6:00 PM	TO	7:00 PM		151	151	343	515	858	1009
TOTAL VOLUME				2026	2026	3270	4647	7917	9943
PERCENTAGE				20.4%	20.4%	32.9%	46.7%	79.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th St/Campus Pkwy & Boden Rd (#21)  
8/29/2012

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	361	7	368				21	3	24	382	10	392
7:00 AM - 8:00 AM	421	8	429				56	3	59	477	11	488
8:00 AM - 9:00 AM	288	15	303				40	5	45	328	20	348
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	102	4	106				13	5	18	115	9	124
4:00 PM - 5:00 PM	197	12	209				38	6	44	235	18	253
5:00 PM - 6:00 PM	237	3	240				30	0	30	267	3	270
6:00 PM - 7:00 PM	132	6	138				13	0	13	145	6	151
PASSENGER	1738 96.9%						211 90.6%			1949 96.2%		
TRUCK	55 3.1%						22 9.4%			77 3.8%		
BOTH	1793 88.5%						233 11.5%			2026 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	9	2	11	242	4	246				251	6	257
7:00 AM - 8:00 AM	17	3	20	502	22	524				519	25	544
8:00 AM - 9:00 AM	16	5	21	431	28	459				447	33	480
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	13	4	17	203	19	222				216	23	239
4:00 PM - 5:00 PM	31	6	37	590	17	607				621	23	644
5:00 PM - 6:00 PM	47	0	47	693	23	716				740	23	763
6:00 PM - 7:00 PM	16	0	16	321	6	327				337	6	343
PASSENGER	149 88.2%			2982 96.2%						3131 95.7%		
TRUCK	20 11.8%			119 3.8%						139 4.3%		
BOTH	169 5.2%			3101 94.8%						3270 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				290	10	300	43	7	50	333	17	350
7:00 AM - 8:00 AM				505	29	534	87	11	98	592	40	632
8:00 AM - 9:00 AM				429	35	464	109	22	131	538	57	595
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				292	9	301	156	12	168	448	21	469
4:00 PM - 5:00 PM				578	26	604	366	5	371	944	31	975
5:00 PM - 6:00 PM				646	10	656	448	7	455	1094	17	1111
6:00 PM - 7:00 PM				291	6	297	213	5	218	504	11	515
PASSENGER				3031 96.0%			1422 95.4%			4453 95.8%		
TRUCK				125 4.0%			69 4.6%			194 4.2%		
BOTH				3156 67.9%			1491 32.1%			4647 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Campus Pkwy & Corporate Pkwy (#22)  
8/30/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	4	0	0	4					35	3	0	38
SOUTHBOUND	5	1	17	23					11	2	91	104
EASTBOUND	19	899	12	930					46	967	28	1041
WESTBOUND	1	596	5	602					2	1001	22	1025

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	1.00				0.53	
SOUTHBOUND	0.82	0.96			0.72	0.93
EASTBOUND	0.85				0.90	
WESTBOUND	0.93				0.94	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					2.9%	0.0%	0.0%	2.6%
SOUTHBOUND	0.0%	0.0%	11.8%	8.7%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	3.2%	8.3%	3.2%					0.0%	2.4%	0.0%	2.2%
WESTBOUND	0.0%	5.5%	0.0%	5.5%					0.0%	2.1%	0.0%	2.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	3	5	8	645	327	972	980
7:00 AM	TO	8:00 AM	4	23	27	930	602	1532	1559
8:00 AM	TO	9:00 AM	7	32	39	783	518	1301	1340
3:00 PM	TO	4:00 PM	20	31	51	362	402	764	815
4:00 PM	TO	5:00 PM	41	88	129	902	864	1766	1895
5:00 PM	TO	6:00 PM	38	104	142	1041	1025	2066	2208
6:00 PM	TO	7:00 PM	22	48	70	449	422	871	941
TOTAL VOLUME			135	331	466	5112	4160	9272	9738
PERCENTAGE			1.4%	3.4%	4.8%	52.5%	42.7%	95.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Campus Pkwy & Corporate Pkwy (#22)  
8/30/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	0	0	0	0	0	0	3	0	3
7:00 AM - 8:00 AM	4	0	4	0	0	0	0	0	0	4	0	4
8:00 AM - 9:00 AM	3	1	4	3	0	3	0	0	0	6	1	7
PM TIME PERIOD												
3:00 PM - 4:00 PM	18	2	20	0	0	0	0	0	0	18	2	20
4:00 PM - 5:00 PM	39	0	39	0	0	0	2	0	2	41	0	41
5:00 PM - 6:00 PM	34	1	35	3	0	3	0	0	0	37	1	38
6:00 PM - 7:00 PM	21	0	21	0	0	0	1	0	1	22	0	22
PASSENGER	122 96.8%			6 100.0%			3 100.0%			131 97.0%		
TRUCK	4 3.2%			0 0.0%			0 0.0%			4 3.0%		
BOTH	126 93.3%			6 4.4%			3 2.2%			135 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	4	1	5	4	1	5
7:00 AM - 8:00 AM	5	0	5	1	0	1	15	2	17	21	2	23
8:00 AM - 9:00 AM	7	0	7	1	0	1	21	3	24	29	3	32
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	0	6	0	0	0	25	0	25	31	0	31
4:00 PM - 5:00 PM	9	0	9	2	0	2	77	0	77	88	0	88
5:00 PM - 6:00 PM	11	0	11	2	0	2	91	0	91	104	0	104
6:00 PM - 7:00 PM	2	0	2	2	0	2	44	0	44	48	0	48
PASSENGER	40 100.0%			8 100.0%			277 97.9%			325 98.2%		
TRUCK	0 0.0%			0 0.0%			6 2.1%			6 1.8%		
BOTH	40 12.1%			8 2.4%			283 85.5%			331 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	1	5	627	9	636	2	2	4	633	12	645
7:00 AM - 8:00 AM	19	0	19	870	29	899	11	1	12	900	30	930
8:00 AM - 9:00 AM	25	0	25	701	44	745	11	2	13	737	46	783
PM TIME PERIOD												
3:00 PM - 4:00 PM	5	0	5	340	6	346	11	0	11	356	6	362
4:00 PM - 5:00 PM	45	0	45	814	21	835	21	1	22	880	22	902
5:00 PM - 6:00 PM	46	0	46	944	23	967	28	0	28	1018	23	1041
6:00 PM - 7:00 PM	20	0	20	404	9	413	16	0	16	440	9	449
PASSENGER	164 99.4%			4700 97.1%			100 94.3%			4964 97.1%		
TRUCK	1 0.6%			141 2.9%			6 5.7%			148 2.9%		
BOTH	165 3.2%			4841 94.7%			106 2.1%			5112 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	312	15	327	0	0	0	312	15	327
7:00 AM - 8:00 AM	1	0	1	563	33	596	5	0	5	569	33	602
8:00 AM - 9:00 AM	0	0	0	462	47	509	9	0	9	471	47	518
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	379	14	393	9	0	9	388	14	402
4:00 PM - 5:00 PM	2	0	2	818	19	837	25	0	25	845	19	864
5:00 PM - 6:00 PM	2	0	2	980	21	1001	22	0	22	1004	21	1025
6:00 PM - 7:00 PM	1	0	1	394	10	404	17	0	17	412	10	422
PASSENGER	6 100.0%			3908 96.1%			87 100.0%			4001 96.2%		
TRUCK	0 0.0%			159 3.9%			0 0.0%			159 3.8%		
BOTH	6 0.1%			4067 97.8%			87 2.1%			4160 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Campus Pkwy & Harrell Pkwy/Bergen Blvd (#23)  
9/6/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	2	15	133	150					65	76	139
SOUTHBOUND	131	22	12	165					119	63	29	211
EASTBOUND	29	908	18	955					37	822	49	908
WESTBOUND	94	640	91	825					304	945	112	1361

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.94					0.88
SOUTHBOUND	0.84	0.99				0.81	0.95
EASTBOUND	0.87					0.90	
WESTBOUND	0.89					0.89	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%	0.8%	0.7%					1.5%	0.0%	0.0%
SOUTHBOUND	5.3%	4.5%	0.0%	4.8%					3.4%	3.2%	0.0%	2.8%
EASTBOUND	0.0%	3.1%	11.1%	3.1%					2.7%	2.4%	0.0%	2.3%
WESTBOUND	6.4%	4.4%	2.2%	4.4%					0.7%	2.2%	0.9%	1.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	84	103	187	551	491	1042	1229
7:00 AM	TO	8:00 AM	150	165	315	955	825	1780	2095
8:00 AM	TO	9:00 AM	137	114	251	692	761	1453	1704
3:00 PM	TO	4:00 PM	122	100	222	316	513	829	1051
4:00 PM	TO	5:00 PM	284	177	461	814	1197	2011	2472
5:00 PM	TO	6:00 PM	280	211	491	908	1361	2269	2760
6:00 PM	TO	7:00 PM	129	101	230	443	651	1094	1324
TOTAL VOLUME			1186	971	2157	4679	5799	10478	12635
PERCENTAGE			9.4%	7.7%	17.1%	37.0%	45.9%	82.9%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Campus Pkwy & Harrell Pkwy/Bergen Blvd (#23)  
9/6/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	8	0	8	72	0	72	84	0	84
7:00 AM - 8:00 AM	2	0	2	15	0	15	132	1	133	149	1	150
8:00 AM - 9:00 AM	10	1	11	25	1	26	97	3	100	132	5	137
PM TIME PERIOD												
3:00 PM - 4:00 PM	33	0	33	26	0	26	63	0	63	122	0	122
4:00 PM - 5:00 PM	69	1	70	48	0	48	165	1	166	282	2	284
5:00 PM - 6:00 PM	64	1	65	76	0	76	139	0	139	279	1	280
6:00 PM - 7:00 PM	31	1	32	25	2	27	70	0	70	126	3	129
PASSENGER	213 98.2%			223 98.7%			738 99.3%			1174 99.0%		
TRUCK	4 1.8%			3 1.3%			5 0.7%			12 1.0%		
BOTH	217 18.3%			226 19.1%			743 62.6%			1186 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	93	2	95	7	0	7	0	1	1	100	3	103
7:00 AM - 8:00 AM	124	7	131	21	1	22	12	0	12	157	8	165
8:00 AM - 9:00 AM	76	6	82	20	2	22	10	0	10	106	8	114
PM TIME PERIOD												
3:00 PM - 4:00 PM	61	3	64	23	0	23	13	0	13	97	3	100
4:00 PM - 5:00 PM	112	6	118	37	0	37	21	1	22	170	7	177
5:00 PM - 6:00 PM	115	4	119	61	2	63	29	0	29	205	6	211
6:00 PM - 7:00 PM	42	0	42	43	0	43	16	0	16	101	0	101
PASSENGER	623 95.7%			212 97.7%			101 98.1%			936 96.4%		
TRUCK	28 4.3%			5 2.3%			2 1.9%			35 3.6%		
BOTH	651 67.0%			217 22.3%			103 10.6%			971 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	0	8	529	8	537	6	0	6	543	8	551
7:00 AM - 8:00 AM	29	0	29	880	28	908	16	2	18	925	30	955
8:00 AM - 9:00 AM	24	1	25	606	38	644	23	0	23	653	39	692
PM TIME PERIOD												
3:00 PM - 4:00 PM	8	1	9	271	17	288	19	0	19	298	18	316
4:00 PM - 5:00 PM	26	1	27	712	27	739	48	0	48	786	28	814
5:00 PM - 6:00 PM	36	1	37	802	20	822	49	0	49	887	21	908
6:00 PM - 7:00 PM	20	0	20	386	8	394	29	0	29	435	8	443
PASSENGER	151 97.4%			4186 96.6%			190 99.0%			4527 96.8%		
TRUCK	4 2.6%			146 3.4%			2 1.0%			152 3.2%		
BOTH	155 3.3%			4332 92.6%			192 4.1%			4679 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	42	1	43	359	7	366	81	1	82	482	9	491
7:00 AM - 8:00 AM	88	6	94	612	28	640	89	2	91	789	36	825
8:00 AM - 9:00 AM	82	5	87	493	60	553	117	4	121	692	69	761
PM TIME PERIOD												
3:00 PM - 4:00 PM	114	0	114	331	17	348	48	3	51	493	20	513
4:00 PM - 5:00 PM	241	0	241	816	21	837	116	3	119	1173	24	1197
5:00 PM - 6:00 PM	302	2	304	924	21	945	111	1	112	1337	24	1361
6:00 PM - 7:00 PM	138	0	138	431	10	441	72	0	72	641	10	651
PASSENGER	1007 98.6%			3966 96.0%			634 97.8%			5607 96.7%		
TRUCK	14 1.4%			164 4.0%			14 2.2%			192 3.3%		
BOTH	1021 17.6%			4130 71.2%			648 11.2%			5799 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 I-69 SB Ramp & Campus Pkwy (#24)  
 6/12/2013  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	208	5	473	<b>686</b>					166	0	426
EASTBOUND		645	418	<b>1063</b>					894	290		<b>1184</b>
WESTBOUND	255	499		<b>754</b>					218	821		<b>1039</b>

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	SOUTHBOUND	0.84					0.92
EASTBOUND	0.90	<b>0.97</b>				0.93	<b>0.98</b>
WESTBOUND	0.95					0.86	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	1.4%	0.0%	2.7%	2.3%					0.6%	0.0%	1.2%
EASTBOUND		3.6%	1.0%	2.5%						1.5%	1.7%	1.5%
WESTBOUND	2.4%	3.6%		3.2%					1.4%	2.7%		2.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		298	298	700	501	1201	1499
7:00 AM	TO	8:00 AM		600	600	1122	722	1844	2444
8:00 AM	TO	9:00 AM		488	488	887	785	1672	2160
3:00 PM	TO	4:00 PM		196	196	448	474	922	1118
4:00 PM	TO	5:00 PM		547	547	1072	1043	2115	2662
5:00 PM	TO	6:00 PM		652	652	1200	950	2150	2802
6:00 PM	TO	7:00 PM		246	246	509	583	1092	1338
TOTAL VOLUME				3027	3027	5938		10996	14023
PERCENTAGE				21.6%	21.6%	42.3%		78.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
I-69 SB Ramp & Campus Pkwy (#24)  
6/12/2013

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	56	2	58	0	1	1	233	6	239	289	9	298
7:00 AM - 8:00 AM	176	2	178	2	0	2	412	8	420	590	10	600
8:00 AM - 9:00 AM	140	2	142	7	0	7	327	12	339	474	14	488
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	46	1	47	0	0	0	146	3	149	192	4	196
4:00 PM - 5:00 PM	144	1	145	0	0	0	397	5	402	541	6	547
5:00 PM - 6:00 PM	185	3	188	0	0	0	460	4	464	645	7	652
6:00 PM - 7:00 PM	57	2	59	0	0	0	187	0	187	244	2	246
<b>PASSENGER</b>	804 98.4%			9 90.0%			2162 98.3%			2975 98.3%		
<b>TRUCK</b>	13 1.6%			1 10.0%			38 1.7%			52 1.7%		
<b>BOTH</b>	817 27.0%			10 0.3%			2200 72.7%			3027 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				262	5	267	427	6	433	689	11	700
7:00 AM - 8:00 AM				580	15	595	523	4	527	1103	19	1122
8:00 AM - 9:00 AM				508	32	540	343	4	347	851	36	887
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				336	13	349	96	3	99	432	16	448
4:00 PM - 5:00 PM				774	16	790	272	10	282	1046	26	1072
5:00 PM - 6:00 PM				914	8	922	275	3	278	1189	11	1200
6:00 PM - 7:00 PM				391	4	395	112	2	114	503	6	509
<b>PASSENGER</b>				3765 97.6%			2048 98.5%			5813 97.9%		
<b>TRUCK</b>				93 2.4%			32 1.5%			125 2.1%		
<b>BOTH</b>				3858 65.0%			2080 35.0%			5938 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	311	3	314	177	10	187				488	13	501
7:00 AM - 8:00 AM	305	8	313	398	11	409				703	19	722
8:00 AM - 9:00 AM	260	1	261	495	29	524				755	30	785
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	96	3	99	369	6	375				465	9	474
4:00 PM - 5:00 PM	226	5	231	798	14	812				1024	19	1043
5:00 PM - 6:00 PM	186	3	189	740	21	761				926	24	950
6:00 PM - 7:00 PM	107	1	108	469	6	475				576	7	583
<b>PASSENGER</b>	1491 98.4%			3446 97.3%						4937 97.6%		
<b>TRUCK</b>	24 1.6%			97 2.7%						121 2.4%		
<b>BOTH</b>	1515 30.0%			3543 70.0%						5058 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
146th St/Greenfield Ave & Boden Rd (#25)  
8/28/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	63	54	1	118					290	200	9
SOUTHBOUND	81	243	21	345					31	124	19	174
EASTBOUND	5	158	294	457					14	107	134	255
WESTBOUND	7	60	12	79					17	139	84	240

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.98					0.95
SOUTHBOUND	0.83	0.90				0.87	0.98
EASTBOUND	0.88					0.91	
WESTBOUND	0.71					0.87	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	6.3%	7.4%	0.0%	6.8%					1.0%	3.0%	0.0%
SOUTHBOUND	2.5%	3.3%	19.0%	4.1%					0.0%	0.8%	0.0%	0.6%
EASTBOUND	40.0%	4.4%	1.4%	2.8%					0.0%	4.7%	1.5%	2.7%
WESTBOUND	0.0%	5.0%	8.3%	5.1%					5.9%	1.4%	1.2%	1.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	67	253	320	327	43	370	690
7:00 AM	TO	8:00 AM	117	309	426	452	93	545	971
8:00 AM	TO	9:00 AM	121	207	328	262	85	347	675
3:00 PM	TO	4:00 PM	175	71	246	112	75	187	433
4:00 PM	TO	5:00 PM	370	138	508	261	184	445	953
5:00 PM	TO	6:00 PM	496	156	652	265	249	514	1166
6:00 PM	TO	7:00 PM	226	88	314	122	97	219	533
TOTAL VOLUME			1572	1222	2794	1801	826	2627	5421
PERCENTAGE			29.0%	22.5%	51.5%	33.2%	15.2%	48.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th St/Greenfield Ave & Boden Rd (#25)  
8/28/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	34	5	39	22	5	27	1	0	1	57	10	67
7:00 AM - 8:00 AM	63	1	64	48	4	52	1	0	1	112	5	117
8:00 AM - 9:00 AM	59	6	65	42	10	52	1	3	4	102	19	121
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	98	2	100	61	7	68	7	0	7	166	9	175
4:00 PM - 5:00 PM	206	3	209	150	2	152	8	1	9	364	6	370
5:00 PM - 6:00 PM	278	3	281	198	5	203	12	0	12	488	8	496
6:00 PM - 7:00 PM	136	1	137	86	1	87	2	0	2	224	2	226
<b>PASSENGER</b>	874 97.7%			607 94.7%			32 88.9%			1513 96.2%		
<b>TRUCK</b>	21 2.3%			34 5.3%			4 11.1%			59 3.8%		
<b>BOTH</b>	895 56.9%			641 40.8%			36 2.3%			1572 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	48	0	48	189	6	195	8	2	10	245	8	253
7:00 AM - 8:00 AM	69	2	71	207	9	216	18	4	22	294	15	309
8:00 AM - 9:00 AM	52	6	58	122	7	129	16	4	20	190	17	207
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	13	0	13	41	6	47	8	3	11	62	9	71
4:00 PM - 5:00 PM	29	0	29	88	8	96	11	2	13	128	10	138
5:00 PM - 6:00 PM	30	0	30	110	0	110	16	0	16	156	0	156
6:00 PM - 7:00 PM	14	0	14	57	1	58	16	0	16	87	1	88
<b>PASSENGER</b>	255 97.0%			814 95.7%			93 86.1%			1162 95.1%		
<b>TRUCK</b>	8 3.0%			37 4.3%			15 13.9%			60 4.9%		
<b>BOTH</b>	263 21.5%			851 69.6%			108 8.8%			1222 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	4	1	5	98	2	100	219	3	222	321	6	327
7:00 AM - 8:00 AM	1	1	2	167	7	174	271	5	276	439	13	452
8:00 AM - 9:00 AM	7	1	8	95	2	97	152	5	157	254	8	262
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	5	1	6	40	0	40	64	2	66	109	3	112
4:00 PM - 5:00 PM	15	1	16	96	5	101	140	4	144	251	10	261
5:00 PM - 6:00 PM	15	0	15	100	4	104	145	1	146	260	5	265
6:00 PM - 7:00 PM	2	1	3	52	1	53	65	1	66	119	3	122
<b>PASSENGER</b>	49 89.1%			648 96.9%			1056 98.1%			1753 97.3%		
<b>TRUCK</b>	6 10.9%			21 3.1%			21 1.9%			48 2.7%		
<b>BOTH</b>	55 3.1%			669 37.1%			1077 59.8%			1801 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1	36	1	37	4	1	5	41	2	43
7:00 AM - 8:00 AM	10	1	11	62	2	64	17	1	18	89	4	93
8:00 AM - 9:00 AM	3	1	4	63	3	66	12	3	15	78	7	85
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	4	0	4	44	2	46	24	1	25	72	3	75
4:00 PM - 5:00 PM	7	1	8	114	5	119	55	2	57	176	8	184
5:00 PM - 6:00 PM	12	1	13	153	1	154	81	1	82	246	3	249
6:00 PM - 7:00 PM	6	0	6	60	1	61	30	0	30	96	1	97
<b>PASSENGER</b>	43 91.5%			532 97.3%			223 96.1%			798 96.6%		
<b>TRUCK</b>	4 8.5%			15 2.7%			9 3.9%			28 3.4%		
<b>BOTH</b>	47 5.7%			547 66.2%			232 28.1%			826 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 146th St & Bergen Pkwy (#26)  
 8/27/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	15		6	21					110		12
EASTBOUND		134	116	250						108	59	167
WESTBOUND	22	76		98					10	113		123

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.58	0.95			0.87
EASTBOUND	0.87				0.82	
WESTBOUND	0.79				0.83	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	6.7%		0.0%	4.8%					0.9%		0.0%
EASTBOUND		3.0%	2.6%	2.8%						1.9%	3.4%	2.4%
WESTBOUND	0.0%	1.3%		1.0%					0.0%	0.0%		0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	6		6	141	64	205	211
7:00 AM	TO	8:00 AM	21		21	250	98	348	369
8:00 AM	TO	9:00 AM	35		35	139	75	214	249
3:00 PM	TO	4:00 PM	68		68	54	32	86	154
4:00 PM	TO	5:00 PM	98		98	113	97	210	308
5:00 PM	TO	6:00 PM	122		122	167	123	290	412
6:00 PM	TO	7:00 PM	61		61	62	53	115	176
TOTAL VOLUME			411		411	926	542	1468	1879
PERCENTAGE			21.9%		21.9%	49.3%	28.8%	78.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th St & Bergen Pkwy (#26)  
8/27/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	5	1	6				0	0	0	5	1	6
7:00 AM - 8:00 AM	14	1	15				6	0	6	20	1	21
8:00 AM - 9:00 AM	28	3	31				3	1	4	31	4	35
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	52	1	53				15	0	15	67	1	68
4:00 PM - 5:00 PM	76	4	80				18	0	18	94	4	98
5:00 PM - 6:00 PM	109	1	110				12	0	12	121	1	122
6:00 PM - 7:00 PM	53	0	53				8	0	8	61	0	61
PASSENGER	337 96.8%						62 98.4%			399 97.1%		
TRUCK	11 3.2%						1 1.6%			12 2.9%		
BOTH	348 84.7%						63 15.3%			411 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				61	0	61	79	1	80	140	1	141
7:00 AM - 8:00 AM				130	4	134	113	3	116	243	7	250
8:00 AM - 9:00 AM				71	4	75	60	4	64	131	8	139
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				31	3	34	19	1	20	50	4	54
4:00 PM - 5:00 PM				71	1	72	41	0	41	112	1	113
5:00 PM - 6:00 PM				106	2	108	57	2	59	163	4	167
6:00 PM - 7:00 PM				39	0	39	22	1	23	61	1	62
PASSENGER				509 97.3%			391 97.0%			900 97.2%		
TRUCK				14 2.7%			12 3.0%			26 2.8%		
BOTH				523 56.5%			403 43.5%			926 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	19	8	27	32	5	37				51	13	64
7:00 AM - 8:00 AM	22	0	22	75	1	76				97	1	98
8:00 AM - 9:00 AM	8	0	8	61	6	67				69	6	75
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	2	0	2	29	1	30				31	1	32
4:00 PM - 5:00 PM	15	0	15	80	2	82				95	2	97
5:00 PM - 6:00 PM	10	0	10	113	0	113				123	0	123
6:00 PM - 7:00 PM	6	0	6	45	2	47				51	2	53
PASSENGER	82 91.1%			435 96.2%						517 95.4%		
TRUCK	8 8.9%			17 3.8%						25 4.6%		
BOTH	90 16.6%			452 83.4%						542 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
146th St & Olio Rd (#27)  
8/22/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	60	82	6	148					132	145	13
SOUTHBOUND	1	130	7	138					0	81	3	84
EASTBOUND	3	3	125	131					5	36	127	168
WESTBOUND	14	40	0	54					3	9	0	12

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.88					0.91
SOUTHBOUND	0.78	0.92				0.78	0.97
EASTBOUND	0.80					0.89	
WESTBOUND	0.64					0.75	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	14.6%	0.0%	8.1%					1.5%	1.4%	0.0%
SOUTHBOUND	0.0%	6.9%	14.3%	7.2%					0.0%	9.9%	0.0%	9.5%
EASTBOUND	0.0%	0.0%	0.8%	0.8%					0.0%	0.0%	3.1%	2.4%
WESTBOUND	0.0%	2.5%	0.0%	1.9%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	54	92	146	75	29	104	250
7:00 AM	TO	8:00 AM	148	138	286	131	54	185	471
8:00 AM	TO	9:00 AM	115	68	183	95	28	123	306
3:00 PM	TO	4:00 PM	98	31	129	50	10	60	189
4:00 PM	TO	5:00 PM	222	76	298	128	19	147	445
5:00 PM	TO	6:00 PM	290	84	374	168	12	180	554
6:00 PM	TO	7:00 PM	115	29	144	79	7	86	230
TOTAL VOLUME			1042	518	1560	726	159	885	2445
PERCENTAGE			42.6%	21.2%	63.8%	29.7%	6.5%	36.2%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th St & Olio Rd (#27)  
8/22/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	30	2	32	20	0	20	2	0	2	52	2	54
7:00 AM - 8:00 AM	60	0	60	70	12	82	6	0	6	136	12	148
8:00 AM - 9:00 AM	60	5	65	44	5	49	1	0	1	105	10	115
PM TIME PERIOD												
3:00 PM - 4:00 PM	38	1	39	55	1	56	3	0	3	96	2	98
4:00 PM - 5:00 PM	95	4	99	113	4	117	6	0	6	214	8	222
5:00 PM - 6:00 PM	130	2	132	143	2	145	13	0	13	286	4	290
6:00 PM - 7:00 PM	49	1	50	57	5	62	2	1	3	108	7	115
PASSENGER	462 96.9%			502 94.5%			33 97.1%			997 95.7%		
TRUCK	15 3.1%			29 5.5%			1 2.9%			45 4.3%		
BOTH	477 45.8%			531 51.0%			34 3.3%			1042 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	86	2	88	4	0	4	90	2	92
7:00 AM - 8:00 AM	1	0	1	121	9	130	6	1	7	128	10	138
8:00 AM - 9:00 AM	0	0	0	63	0	63	4	1	5	67	1	68
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	26	2	28	2	1	3	28	3	31
4:00 PM - 5:00 PM	0	0	0	62	4	66	8	2	10	70	6	76
5:00 PM - 6:00 PM	0	0	0	73	8	81	3	0	3	76	8	84
6:00 PM - 7:00 PM	0	0	0	29	0	29	0	0	0	29	0	29
PASSENGER	1 100.0%			460 94.8%			27 84.4%			488 94.2%		
TRUCK	0 0.0%			25 5.2%			5 15.6%			30 5.8%		
BOTH	1 0.2%			485 93.6%			32 6.2%			518 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	5	0	5	67	1	68	74	1	75
7:00 AM - 8:00 AM	3	0	3	3	0	3	124	1	125	130	1	131
8:00 AM - 9:00 AM	6	1	7	3	0	3	83	2	85	92	3	95
PM TIME PERIOD												
3:00 PM - 4:00 PM	4	0	4	15	0	15	31	0	31	50	0	50
4:00 PM - 5:00 PM	5	0	5	26	0	26	88	9	97	119	9	128
5:00 PM - 6:00 PM	5	0	5	36	0	36	123	4	127	164	4	168
6:00 PM - 7:00 PM	2	1	3	7	0	7	69	0	69	78	1	79
PASSENGER	27 93.1%			95 100.0%			585 97.2%			707 97.4%		
TRUCK	2 6.9%			0 0.0%			17 2.8%			19 2.6%		
BOTH	29 4.0%			95 13.1%			602 82.9%			726 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	10	1	11	18	0	18	0	0	0	28	1	29
7:00 AM - 8:00 AM	14	0	14	39	1	40	0	0	0	53	1	54
8:00 AM - 9:00 AM	6	0	6	22	0	22	0	0	0	28	0	28
PM TIME PERIOD												
3:00 PM - 4:00 PM	4	0	4	6	0	6	0	0	0	10	0	10
4:00 PM - 5:00 PM	7	0	7	12	0	12	0	0	0	19	0	19
5:00 PM - 6:00 PM	3	0	3	9	0	9	0	0	0	12	0	12
6:00 PM - 7:00 PM	7	0	7	0	0	0	0	0	0	7	0	7
PASSENGER	51 98.1%			106 99.1%			0 #DIV/0!			157 98.7%		
TRUCK	1 1.9%			1 0.9%			0 #DIV/0!			2 1.3%		
BOTH	52 32.7%			107 67.3%			0 0.0%			159 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 Prairie Baptist Rd. & 146th St. (#28)  
 6/8/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1	4	0	5					0	16	8
SOUTHBOUND	2	19	23	44					5	5	9	19
EASTBOUND	1	2	0	3					17	23	0	40
WESTBOUND	1	18	3	22					0	13	4	17

PEAK HOUR FACTOR								
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR			PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION		APPROACH	INTERSECTION
	NORTHBOUND	0.63						0.67
SOUTHBOUND	0.73	0.84					0.79	0.93
EASTBOUND	0.75						0.77	
WESTBOUND	0.79						0.71	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	22.2%	10.5%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY										
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL	
6:00 AM	TO	7:00 AM	3	30	33	3	15	18	51	
7:00 AM	TO	8:00 AM	5	44	49	3	22	25	74	
8:00 AM	TO	9:00 AM	3	22	25	9	22	31	56	
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0	
3:00 PM	TO	4:00 PM	10	8	18	21	7	28	46	
4:00 PM	TO	5:00 PM	21	15	36	42	14	56	92	
5:00 PM	TO	6:00 PM	20	20	40	44	15	59	99	
6:00 PM	TO	7:00 PM	12	13	25	18	10	28	53	
TOTAL VOLUME			74	152	226	140	105	245	471	
PERCENTAGE			15.7%	32.3%	48.0%	29.7%	22.3%	52.0%	100.0%	

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Prairie Baptist Rd. & 146th St. (#28)  
6/8/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	2	0	2	0	0	0	3	0	3
7:00 AM - 8:00 AM	1	0	1	4	0	4	0	0	0	5	0	5
8:00 AM - 9:00 AM	0	0	0	2	0	2	1	0	1	3	0	3
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	7	0	7	3	0	3	10	0	10
4:00 PM - 5:00 PM	1	0	1	15	0	15	5	0	5	21	0	21
5:00 PM - 6:00 PM	0	0	0	14	0	14	6	0	6	20	0	20
6:00 PM - 7:00 PM	1	0	1	6	0	6	5	0	5	12	0	12
PASSENGER	4 100.0%			50 100.0%			20 100.0%			74 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	4 5.4%			50 67.6%			20 27.0%			74 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	11	0	11	19	0	19	30	0	30
7:00 AM - 8:00 AM	2	0	2	19	0	19	23	0	23	44	0	44
8:00 AM - 9:00 AM	3	1	4	5	0	5	12	1	13	20	2	22
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	3	0	3	4	0	4	8	0	8
4:00 PM - 5:00 PM	2	0	2	5	0	5	8	0	8	15	0	15
5:00 PM - 6:00 PM	5	0	5	6	0	6	7	2	9	18	2	20
6:00 PM - 7:00 PM	1	0	1	6	0	6	6	0	6	13	0	13
PASSENGER	14 93.3%			55 100.0%			79 96.3%			148 97.4%		
TRUCK	1 6.7%			0 0.0%			3 3.7%			4 2.6%		
BOTH	15 9.9%			55 36.2%			82 53.9%			152 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	1	0	1	1	0	1	3	0	3
7:00 AM - 8:00 AM	1	0	1	2	0	2	0	0	0	3	0	3
8:00 AM - 9:00 AM	6	0	6	2	0	2	1	0	1	9	0	9
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	13	0	13	8	0	8	0	0	0	21	0	21
4:00 PM - 5:00 PM	20	0	20	20	0	20	2	0	2	42	0	42
5:00 PM - 6:00 PM	20	0	20	24	0	24	0	0	0	44	0	44
6:00 PM - 7:00 PM	6	0	6	12	0	12	0	0	0	18	0	18
PASSENGER	67 100.0%			69 100.0%			4 100.0%			140 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	67 47.9%			69 49.3%			4 2.9%			140 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	13	0	13	0	0	0	15	0	15
7:00 AM - 8:00 AM	1	0	1	18	0	18	3	0	3	22	0	22
8:00 AM - 9:00 AM	2	1	3	16	0	16	3	0	3	21	1	22
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	5	0	5	2	0	2	7	0	7
4:00 PM - 5:00 PM	2	0	2	7	1	8	4	0	4	13	1	14
5:00 PM - 6:00 PM	0	0	0	13	0	13	2	0	2	15	0	15
6:00 PM - 7:00 PM	0	0	0	7	0	7	3	0	3	10	0	10
PASSENGER	7 87.5%			79 98.8%			17 100.0%			103 98.1%		
TRUCK	1 12.5%			1 1.3%			0 0.0%			2 1.9%		
BOTH	8 7.6%			80 76.2%			17 16.2%			105 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanna Rd. & 146th St. (#29)  
6/7/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	4	31	0	35					5	33	3	41
SOUTHBOUND	0	25	2	27					0	31	1	32
EASTBOUND	1	3	1	5					4	10	4	18
WESTBOUND	2	13	0	15					3	7	0	10

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.58	0.76			0.79	0.94
SOUTHBOUND	0.96				0.89	
EASTBOUND	0.63				0.45	
WESTBOUND	0.75				0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	3.0%	0.0%	2.4%
SOUTHBOUND	0.0%	20.0%	0.0%	18.5%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					33.3%	0.0%	0.0%	10.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	12	19	31	2	3	5	36
7:00 AM	TO	8:00 AM	31	24	55	3	12	15	70
8:00 AM	TO	9:00 AM	32	19	51	5	10	15	66
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	16	11	27	12	2	14	41
4:00 PM	TO	5:00 PM	17	23	40	16	11	27	67
5:00 PM	TO	6:00 PM	41	32	73	18	10	28	101
6:00 PM	TO	7:00 PM	16	22	38	8	5	13	51
TOTAL VOLUME			165	150	315	64	53	117	432
PERCENTAGE			38.2%	34.7%	72.9%	14.8%	12.3%	27.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd. & 146th St. (#29)  
6/7/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	9	0	9	1	0	1	12	0	12
7:00 AM - 8:00 AM	4	0	4	26	1	27	0	0	0	30	1	31
8:00 AM - 9:00 AM	0	1	1	30	1	31	0	0	0	30	2	32
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	12	1	13	1	0	1	15	1	16
4:00 PM - 5:00 PM	1	0	1	15	0	15	1	0	1	17	0	17
5:00 PM - 6:00 PM	5	0	5	32	1	33	3	0	3	40	1	41
6:00 PM - 7:00 PM	3	0	3	12	0	12	1	0	1	16	0	16
PASSENGER	17 94.4%			136 97.1%			7 100.0%			160 97.0%		
TRUCK	1 5.6%			4 2.9%			0 0.0%			5 3.0%		
BOTH	18 10.9%			140 84.8%			7 4.2%			165 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	16	0	16	3	0	3	19	0	19
7:00 AM - 8:00 AM	1	0	1	18	3	21	2	0	2	21	3	24
8:00 AM - 9:00 AM	0	0	0	11	5	16	3	0	3	14	5	19
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	7	0	7	4	0	4	11	0	11
4:00 PM - 5:00 PM	1	0	1	20	1	21	1	0	1	22	1	23
5:00 PM - 6:00 PM	0	0	0	31	0	31	1	0	1	32	0	32
6:00 PM - 7:00 PM	0	0	0	21	0	21	1	0	1	22	0	22
PASSENGER	2 100.0%			124 93.2%			15 100.0%			141 94.0%		
TRUCK	0 0.0%			9 6.8%			0 0.0%			9 6.0%		
BOTH	2 1.3%			133 88.7%			15 10.0%			150 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	1	0	1	1	0	1	2	0	2
7:00 AM - 8:00 AM	1	0	1	2	0	2	0	0	0	3	0	3
8:00 AM - 9:00 AM	1	0	1	2	0	2	2	0	2	5	0	5
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	9	0	9	0	0	0	12	0	12
4:00 PM - 5:00 PM	2	0	2	8	1	9	4	1	5	14	2	16
5:00 PM - 6:00 PM	4	0	4	10	0	10	4	0	4	18	0	18
6:00 PM - 7:00 PM	0	0	0	2	0	2	6	0	6	8	0	8
PASSENGER	11 100.0%			34 97.1%			17 94.4%			62 96.9%		
TRUCK	0 0.0%			1 2.9%			1 5.6%			2 3.1%		
BOTH	11 17.2%			35 54.7%			18 28.1%			64 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	1	0	1	1	0	1	3	0	3
7:00 AM - 8:00 AM	1	0	1	11	0	11	0	0	0	12	0	12
8:00 AM - 9:00 AM	1	0	1	9	0	9	0	0	0	10	0	10
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	1	0	1	0	0	0	2	0	2
4:00 PM - 5:00 PM	2	0	2	9	0	9	0	0	0	11	0	11
5:00 PM - 6:00 PM	2	1	3	7	0	7	0	0	0	9	1	10
6:00 PM - 7:00 PM	1	0	1	4	0	4	0	0	0	5	0	5
PASSENGER	9 90.0%			42 100.0%			1 100.0%			52 98.1%		
TRUCK	1 10.0%			0 0.0%			0 0.0%			1 1.9%		
BOTH	10 18.9%			42 79.2%			1 1.9%			53 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 146th Street & Atlantic Road (#30)  
 6/5/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	0	0	0					0	0	1	1
SOUTHBOUND	5	0	2	7					2	1	3	6
EASTBOUND	1	5	0	6					5	12	0	17
WESTBOUND	0	4	3	7					0	9	1	10

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	#DIV/0!				0.25	
SOUTHBOUND	0.44	0.83			0.38	0.77
EASTBOUND	0.50				0.85	
WESTBOUND	0.58				0.42	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0	8	8	4	5	9	17
7:00 AM	TO	8:00 AM	0	4	4	5	11	16	20
8:00 AM	TO	9:00 AM	1	3	4	2	3	5	9
3:00 PM	TO	4:00 PM	0	3	3	12	12	24	27
4:00 PM	TO	5:00 PM	0	4	4	12	6	18	22
5:00 PM	TO	6:00 PM	1	6	7	17	10	27	34
TOTAL VOLUME			2	28	30	52	47	99	129
PERCENTAGE			1.6%	21.7%	23.3%	40.3%	36.4%	76.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
146th Street & Atlantic Road (#30)  
6/5/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM - 9:00 AM	1	0	1	0	0	0	0	0	0	1	0	1
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM - 6:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
PASSENGER	1 100.0%			0 #DIV/0!			1 100.0%			2 100.0%		
TRUCK	0 0.0%			0 #DIV/0!			0 0.0%			0 0.0%		
BOTH	1 50.0%			0 0.0%			1 50.0%			2 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	5	0	5	1	0	1	2	0	2	8	0	8
7:00 AM - 8:00 AM	2	0	2	0	0	0	2	0	2	4	0	4
8:00 AM - 9:00 AM	2	0	2	0	0	0	0	1	1	2	1	3
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	0	0	0	3	0	3	3	0	3
4:00 PM - 5:00 PM	2	0	2	0	0	0	2	0	2	4	0	4
5:00 PM - 6:00 PM	2	0	2	1	0	1	3	0	3	6	0	6
PASSENGER	13 100.0%			2 100.0%			12 92.3%			27 96.4%		
TRUCK	0 0.0%			0 0.0%			1 7.7%			1 3.6%		
BOTH	13 46.4%			2 7.1%			13 46.4%			28 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1	3	0	3	0	0	0	4	0	4
7:00 AM - 8:00 AM	0	0	0	5	0	5	0	0	0	5	0	5
8:00 AM - 9:00 AM	0	0	0	2	0	2	0	0	0	2	0	2
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	2	0	2	10	0	10	0	0	0	12	0	12
4:00 PM - 5:00 PM	2	1	3	8	1	9	0	0	0	10	2	12
5:00 PM - 6:00 PM	5	0	5	12	0	12	0	0	0	17	0	17
PASSENGER	10 90.9%			40 97.6%			0 #DIV/0!			50 96.2%		
TRUCK	1 9.1%			1 2.4%			0 #DIV/0!			2 3.8%		
BOTH	11 21.2%			41 78.8%			0 0.0%			52 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	2	0	2	3	0	3	5	0	5
7:00 AM - 8:00 AM	0	0	0	11	0	11	0	0	0	11	0	11
8:00 AM - 9:00 AM	0	0	0	3	0	3	0	0	0	3	0	3
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	9	0	9	3	0	3	12	0	12
4:00 PM - 5:00 PM	0	0	0	6	0	6	0	0	0	6	0	6
5:00 PM - 6:00 PM	0	0	0	9	0	9	1	0	1	10	0	10
PASSENGER	0 #DIV/0!			40 100.0%			7 100.0%			47 100.0%		
TRUCK	0 #DIV/0!			0 0.0%			0 0.0%			0 0.0%		
BOTH	0 0.0%			40 85.1%			7 14.9%			47 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Nobelville  
156th St & Gray Rd (#31)  
9/5/2012  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	16	111	12	139					35	427	28
SOUTHBOUND	1	364	5	370					5	155	8	168
EASTBOUND	11	4	25	40					8	9	23	40
WESTBOUND	26	8	3	37					13	12	4	29

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.64					0.89
SOUTHBOUND	0.81	0.78				0.91	0.91
EASTBOUND	0.77					0.56	
WESTBOUND	0.77					0.81	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	12.5%	0.9%	0.0%	2.2%					2.9%	0.9%	0.0%
SOUTHBOUND	0.0%	1.1%	0.0%	1.1%					0.0%	1.9%	0.0%	1.8%
EASTBOUND	0.0%	0.0%	8.0%	5.0%					12.5%	11.1%	0.0%	5.0%
WESTBOUND	0.0%	0.0%	33.3%	2.7%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	23	111	134	11	3	14	148
7:00 AM	TO	8:00 AM	139	370	509	40	37	77	586
8:00 AM	TO	9:00 AM	50	128	178	17	16	33	211
2:00 PM	TO	3:00 PM	161	100	261	36	14	50	311
3:00 PM	TO	4:00 PM	260	135	395	31	20	51	446
4:00 PM	TO	5:00 PM	269	144	413	28	16	44	457
5:00 PM	TO	6:00 PM	490	168	658	40	29	69	727
TOTAL VOLUME			1392	1156	2548	203	135	338	2886
PERCENTAGE			48.2%	40.1%	88.3%	7.0%	4.7%	11.7%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Nobelsville  
156th St & Gray Rd (#31)  
9/5/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	3	0	3	19	1	20	0	0	0	22	1	23
7:00 AM - 8:00 AM	14	2	16	110	1	111	12	0	12	136	3	139
8:00 AM - 9:00 AM	10	0	10	37	1	38	2	0	2	49	1	50
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	9	2	11	141	4	145	5	0	5	155	6	161
3:00 PM - 4:00 PM	16	0	16	230	5	235	9	0	9	255	5	260
4:00 PM - 5:00 PM	20	0	20	238	2	240	9	0	9	267	2	269
5:00 PM - 6:00 PM	34	1	35	423	4	427	28	0	28	485	5	490
<b>PASSENGER</b>	106 95.5%			1198 98.5%			65 100.0%			1369 98.3%		
<b>TRUCK</b>	5 4.5%			18 1.5%			0 0.0%			23 1.7%		
<b>BOTH</b>	111 8.0%			1216 87.4%			65 4.7%			1392 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	0	2	107	1	108	1	0	1	110	1	111
7:00 AM - 8:00 AM	1	0	1	360	4	364	5	0	5	366	4	370
8:00 AM - 9:00 AM	1	0	1	121	5	126	0	1	1	122	6	128
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	3	0	3	82	1	83	13	1	14	98	2	100
3:00 PM - 4:00 PM	2	1	3	120	1	121	10	1	11	132	3	135
4:00 PM - 5:00 PM	5	0	5	127	4	131	8	0	8	140	4	144
5:00 PM - 6:00 PM	5	0	5	152	3	155	8	0	8	165	3	168
<b>PASSENGER</b>	19 95.0%			1069 98.3%			45 93.8%			1133 98.0%		
<b>TRUCK</b>	1 5.0%			19 1.7%			3 6.3%			23 2.0%		
<b>BOTH</b>	20 1.7%			1088 94.1%			48 4.2%			1156 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	4	0	4	2	0	2	5	0	5	11	0	11
7:00 AM - 8:00 AM	11	0	11	4	0	4	23	2	25	38	2	40
8:00 AM - 9:00 AM	3	0	3	2	1	3	11	0	11	16	1	17
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	9	1	10	5	1	6	16	4	20	30	6	36
3:00 PM - 4:00 PM	9	1	10	5	0	5	15	1	16	29	2	31
4:00 PM - 5:00 PM	7	0	7	5	0	5	16	0	16	28	0	28
5:00 PM - 6:00 PM	7	1	8	8	1	9	23	0	23	38	2	40
<b>PASSENGER</b>	50 94.3%			31 91.2%			109 94.0%			190 93.6%		
<b>TRUCK</b>	3 5.7%			3 8.8%			7 6.0%			13 6.4%		
<b>BOTH</b>	53 26.1%			34 16.7%			116 57.1%			203 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1	0	0	0	1	1	2	2	1	3
7:00 AM - 8:00 AM	26	0	26	8	0	8	2	1	3	36	1	37
8:00 AM - 9:00 AM	5	0	5	7	0	7	4	0	4	16	0	16
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	4	0	4	6	1	7	3	0	3	13	1	14
3:00 PM - 4:00 PM	6	1	7	6	1	7	5	1	6	17	3	20
4:00 PM - 5:00 PM	5	0	5	9	0	9	2	0	2	16	0	16
5:00 PM - 6:00 PM	13	0	13	12	0	12	4	0	4	29	0	29
<b>PASSENGER</b>	60 98.4%			48 96.0%			21 87.5%			129 95.6%		
<b>TRUCK</b>	1 1.6%			2 4.0%			3 12.5%			6 4.4%		
<b>BOTH</b>	61 45.2%			50 37.0%			24 17.8%			135 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Hazel Dell Rd & 156thSt (#32)  
 8/30/2012  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	24	358		<b>382</b>					29	1029		<b>1058</b>
SOUTHBOUND		1015	13	<b>1028</b>					627	4		<b>631</b>
EASTBOUND	5		20	<b>25</b>					13	40		<b>53</b>

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.93				0.92	
SOUTHBOUND	0.89	<b>0.90</b>			0.82	<b>0.93</b>
EASTBOUND	0.78				0.83	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	4.2%		3.9%					0.0%	0.6%		0.6%
SOUTHBOUND		0.6%	0.0%	0.6%						0.3%	0.0%	0.3%
EASTBOUND	0.0%		0.0%	0.0%					15.4%		0.0%	3.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	124	367	491	2		2	493
7:00 AM	TO	8:00 AM	382	1028	1410	25		25	1435
8:00 AM	TO	9:00 AM	169	462	631	7		7	638
2:00 PM	TO	3:00 PM	435	338	773	17		17	790
3:00 PM	TO	4:00 PM	595	432	1027	27		27	1054
4:00 PM	TO	5:00 PM	800	556	1356	27		27	1383
5:00 PM	TO	6:00 PM	1058	631	1689	53		53	1742
TOTAL VOLUME			3563	3814	7377	158		158	7535
PERCENTAGE			47.3%	50.6%	97.9%	2.1%		2.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Hazel Dell Rd & 156thSt (#32)  
8/30/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	1	3	120	1	121				122	2	124
7:00 AM - 8:00 AM	24	0	24	343	15	358				367	15	382
8:00 AM - 9:00 AM	5	1	6	151	12	163				156	13	169
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	11	0	11	407	17	424				418	17	435
3:00 PM - 4:00 PM	14	3	17	555	23	578				569	26	595
4:00 PM - 5:00 PM	13	0	13	781	6	787				794	6	800
5:00 PM - 6:00 PM	29	0	29	1023	6	1029				1052	6	1058
<b>PASSENGER</b>	98 95.1%			3380 97.7%						3478 97.6%		
<b>TRUCK</b>	5 4.9%			80 2.3%						85 2.4%		
<b>BOTH</b>	103 2.9%			3460 97.1%						3563 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				363	3	366	1	0	1	364	3	367
7:00 AM - 8:00 AM				1009	6	1015	13	0	13	1022	6	1028
8:00 AM - 9:00 AM				440	18	458	3	1	4	443	19	462
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				320	15	335	3	0	3	323	15	338
3:00 PM - 4:00 PM				401	27	428	3	1	4	404	28	432
4:00 PM - 5:00 PM				536	14	550	6	0	6	542	14	556
5:00 PM - 6:00 PM				625	2	627	4	0	4	629	2	631
<b>PASSENGER</b>				3694 97.8%			33 94.3%			3727 97.7%		
<b>TRUCK</b>				85 2.2%			2 5.7%			87 2.3%		
<b>BOTH</b>				3779 99.1%			35 0.9%			3814 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0				2	0	2	2	0	2
7:00 AM - 8:00 AM	5	0	5				20	0	20	25	0	25
8:00 AM - 9:00 AM	3	0	3				4	0	4	7	0	7
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	5	0	5				12	0	12	17	0	17
3:00 PM - 4:00 PM	4	0	4				22	1	23	26	1	27
4:00 PM - 5:00 PM	8	0	8				19	0	19	27	0	27
5:00 PM - 6:00 PM	11	2	13				40	0	40	51	2	53
<b>PASSENGER</b>	36 94.7%						119 99.2%			155 98.1%		
<b>TRUCK</b>	2 5.3%						1 0.8%			3 1.9%		
<b>BOTH</b>	38 24.1%						120 75.9%			158 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Summer Road & 156th Street (#33)  
6/5/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	7	3	10					0	21	4	25
SOUTHBOUND	9	11	2	22					43	29	1	73
EASTBOUND	0	6	0	6					3	36	0	39
WESTBOUND	2	49	31	82					5	14	30	49

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.63	0.79			0.57	0.88
SOUTHBOUND	0.50				0.91	
EASTBOUND	0.75				0.75	
WESTBOUND	0.79				0.88	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					2.3%	3.4%	0.0%	2.7%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	3	6	9	3	26	29	38
7:00 AM	TO	8:00 AM	12	24	36	4	76	80	116
8:00 AM	TO	9:00 AM	10	11	21	3	45	48	69
3:00 PM	TO	4:00 PM	16	28	44	7	12	19	63
4:00 PM	TO	5:00 PM	14	54	68	32	39	71	139
5:00 PM	TO	6:00 PM	23	71	94	42	48	90	184
6:00 PM	TO	7:00 PM	7	25	32	14	32	46	78
TOTAL VOLUME			85	219	304	105		383	687
PERCENTAGE			12.4%	31.9%	44.3%	15.3%		55.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Summer Road & 156th Street (#33)  
6/5/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	1	0	1	2	0	2	3	0	3
7:00 AM - 8:00 AM	0	0	0	8	0	8	4	0	4	12	0	12
8:00 AM - 9:00 AM	0	0	0	6	0	6	3	1	4	9	1	10
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	13	0	13	3	0	3	16	0	16
4:00 PM - 5:00 PM	0	0	0	13	0	13	1	0	1	14	0	14
5:00 PM - 6:00 PM	0	0	0	18	0	18	5	0	5	23	0	23
6:00 PM - 7:00 PM	0	0	0	6	0	6	1	0	1	7	0	7
PASSENGER	0 #DIV/0!			65 100.0%			19 95.0%			84 98.8%		
TRUCK	0 #DIV/0!			0 0.0%			1 5.0%			1 1.2%		
BOTH	0 0.0%			65 76.5%			20 23.5%			85 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	3	0	3	1	0	1	6	0	6
7:00 AM - 8:00 AM	9	0	9	13	0	13	2	0	2	24	0	24
8:00 AM - 9:00 AM	5	0	5	5	0	5	1	0	1	11	0	11
PM TIME PERIOD												
3:00 PM - 4:00 PM	15	0	15	11	0	11	2	0	2	28	0	28
4:00 PM - 5:00 PM	26	1	27	27	0	27	0	0	0	53	1	54
5:00 PM - 6:00 PM	39	0	39	29	1	30	2	0	2	70	1	71
6:00 PM - 7:00 PM	15	0	15	10	0	10	0	0	0	25	0	25
PASSENGER	111 99.1%			98 99.0%			8 100.0%			217 99.1%		
TRUCK	1 0.9%			1 1.0%			0 0.0%			2 0.9%		
BOTH	112 51.1%			99 45.2%			8 3.7%			219 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	2	0	2	0	0	0	3	0	3
7:00 AM - 8:00 AM	0	0	0	4	0	4	0	0	0	4	0	4
8:00 AM - 9:00 AM	0	0	0	2	1	3	0	0	0	2	1	3
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	7	0	7	0	0	0	7	0	7
4:00 PM - 5:00 PM	1	0	1	30	0	30	1	0	1	32	0	32
5:00 PM - 6:00 PM	4	0	4	38	0	38	0	0	0	42	0	42
6:00 PM - 7:00 PM	1	0	1	12	0	12	1	0	1	14	0	14
PASSENGER	7 100.0%			95 99.0%			2 100.0%			104 99.0%		
TRUCK	0 0.0%			1 1.0%			0 0.0%			1 1.0%		
BOTH	7 6.7%			96 91.4%			2 1.9%			105 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	16	1	17	9	0	9	25	1	26
7:00 AM - 8:00 AM	2	0	2	50	0	50	24	0	24	76	0	76
8:00 AM - 9:00 AM	1	0	1	20	1	21	21	2	23	42	3	45
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	3	0	3	8	0	8	12	0	12
4:00 PM - 5:00 PM	8	0	8	9	0	9	22	0	22	39	0	39
5:00 PM - 6:00 PM	1	0	1	17	0	17	30	0	30	48	0	48
6:00 PM - 7:00 PM	2	0	2	13	0	13	17	0	17	32	0	32
PASSENGER	15 100.0%			128 98.5%			131 98.5%			274 98.6%		
TRUCK	0 0.0%			2 1.5%			2 1.5%			4 1.4%		
BOTH	15 5.4%			130 46.8%			133 47.8%			278 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Boden Road & 156th Street (#34)  
 6/4/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	9	54	0	<b>63</b>					55	171	5
SOUTHBOUND	2	156	11	<b>169</b>					1	115	15	<b>131</b>
EASTBOUND	10	17	45	<b>72</b>					8	11	21	<b>40</b>
WESTBOUND	2	7	0	<b>9</b>					2	35	3	<b>40</b>

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.79					0.90
SOUTHBOUND	0.70	<b>0.89</b>				0.82	<b>0.94</b>
EASTBOUND	0.86					0.71	
WESTBOUND	0.45					0.71	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	18.5%	0.0%	15.9%					0.0%	2.9%	40.0%
SOUTHBOUND	0.0%	10.3%	0.0%	9.5%					0.0%	1.7%	0.0%	1.5%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	9.1%	0.0%	2.5%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	33.3%	2.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	29	101	130	65	7	72	202
7:00 AM	TO	8:00 AM	61	160	221	79	9	88	309
8:00 AM	TO	9:00 AM	59	116	175	65	7	72	247
3:00 PM	TO	4:00 PM	68	50	118	17	9	26	144
4:00 PM	TO	5:00 PM	209	114	323	38	23	61	384
5:00 PM	TO	6:00 PM	214	133	347	41	42	83	430
6:00 PM	TO	7:00 PM	120	55	175	24	15	39	214
TOTAL VOLUME			760	729	1489	329		441	1930
PERCENTAGE			39.4%	37.8%	77.2%	17.0%		22.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Boden Road & 156th Street (#34)  
6/4/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	22	3	25	1	0	1	26	3	29
7:00 AM - 8:00 AM	8	0	8	45	8	53	0	0	0	53	8	61
8:00 AM - 9:00 AM	7	0	7	45	7	52	0	0	0	52	7	59
PM TIME PERIOD												
3:00 PM - 4:00 PM	11	0	11	56	1	57	0	0	0	67	1	68
4:00 PM - 5:00 PM	39	1	40	163	5	168	1	0	1	203	6	209
5:00 PM - 6:00 PM	47	0	47	157	7	164	2	1	3	206	8	214
6:00 PM - 7:00 PM	25	0	25	89	3	92	2	1	3	116	4	120
PASSENGER	140 99.3%			577 94.4%			6 75.0%			723 95.1%		
TRUCK	1 0.7%			34 5.6%			2 25.0%			37 4.9%		
BOTH	141 18.6%			611 80.4%			8 1.1%			760 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	92	6	98	3	0	3	95	6	101
7:00 AM - 8:00 AM	1	0	1	132	16	148	11	0	11	144	16	160
8:00 AM - 9:00 AM	1	0	1	106	4	110	4	1	5	111	5	116
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	43	4	47	3	0	3	46	4	50
4:00 PM - 5:00 PM	4	1	5	91	3	94	15	0	15	110	4	114
5:00 PM - 6:00 PM	0	0	0	113	2	115	18	0	18	131	2	133
6:00 PM - 7:00 PM	1	0	1	50	0	50	4	0	4	55	0	55
PASSENGER	7 87.5%			627 94.7%			58 98.3%			692 94.9%		
TRUCK	1 12.5%			35 5.3%			1 1.7%			37 5.1%		
BOTH	8 1.1%			662 90.8%			59 8.1%			729 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	15	0	15	44	1	45	64	1	65
7:00 AM - 8:00 AM	13	0	13	14	0	14	52	0	52	79	0	79
8:00 AM - 9:00 AM	8	2	10	14	0	14	41	0	41	63	2	65
PM TIME PERIOD												
3:00 PM - 4:00 PM	7	0	7	6	0	6	4	0	4	17	0	17
4:00 PM - 5:00 PM	8	0	8	15	0	15	15	0	15	38	0	38
5:00 PM - 6:00 PM	9	0	9	13	0	13	19	0	19	41	0	41
6:00 PM - 7:00 PM	6	0	6	3	1	4	14	0	14	23	1	24
PASSENGER	56 96.6%			80 98.8%			189 99.5%			325 98.8%		
TRUCK	2 3.4%			1 1.2%			1 0.5%			4 1.2%		
BOTH	8 17.6%			81 24.6%			190 57.8%			329 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	6	0	6	1	0	1	7	0	7
7:00 AM - 8:00 AM	2	0	2	7	0	7	0	0	0	9	0	9
8:00 AM - 9:00 AM	0	0	0	5	0	5	2	0	2	7	0	7
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	7	0	7	1	0	1	9	0	9
4:00 PM - 5:00 PM	1	0	1	21	0	21	1	0	1	23	0	23
5:00 PM - 6:00 PM	2	0	2	34	0	34	5	1	6	41	1	42
6:00 PM - 7:00 PM	2	0	2	12	0	12	1	0	1	15	0	15
PASSENGER	8 100.0%			92 100.0%			11 91.7%			111 99.1%		
TRUCK	0 0.0%			0 0.0%			1 8.3%			1 0.9%		
BOTH	8 7.1%			92 82.1%			12 10.7%			112 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
156th St & Olio Rd (#35)  
9/13/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	8	75	0	83					38	132	10	180
SOUTHBOUND	0	120	1	121					0	64	3	67
EASTBOUND	0	3	27	30					0	9	20	29
WESTBOUND	5	3	0	8					4	3	1	8

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.72	0.84			0.83	0.84
SOUTHBOUND	0.82				0.60	
EASTBOUND	0.58				0.73	
WESTBOUND	0.67				0.67	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	2.7%	0.0%	2.4%					0.0%	1.5%	0.0%	1.1%
SOUTHBOUND	0.0%	4.2%	0.0%	4.1%					0.0%	4.7%	0.0%	4.5%
EASTBOUND	0.0%	33.3%	14.8%	16.7%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	20.0%	33.3%	0.0%	25.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	29	72	101	18	7	25	126
7:00 AM	TO	8:00 AM	83	121	204	30	8	38	242
8:00 AM	TO	9:00 AM	69	58	127	19	7	26	153
3:00 PM	TO	4:00 PM	58	24	82	10	7	17	99
4:00 PM	TO	5:00 PM	121	77	198	25	5	30	228
5:00 PM	TO	6:00 PM	155	65	220	31	8	39	259
6:00 PM	TO	7:00 PM	93	27	120	12	3	15	135
TOTAL VOLUME			608	444	1052	145	45	190	1242
PERCENTAGE			49.0%	35.7%	84.7%	11.7%	3.6%	15.3%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
156th St & Olio Rd (#35)  
9/13/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	24	1	25	1	0	1	28	1	29
7:00 AM - 8:00 AM	8	0	8	73	2	75	0	0	0	81	2	83
8:00 AM - 9:00 AM	7	3	10	47	10	57	2	0	2	56	13	69
PM TIME PERIOD												
3:00 PM - 4:00 PM	14	0	14	41	0	41	2	1	3	57	1	58
4:00 PM - 5:00 PM	17	1	18	98	1	99	4	0	4	119	2	121
5:00 PM - 6:00 PM	33	0	33	112	2	114	8	0	8	153	2	155
6:00 PM - 7:00 PM	20	0	20	68	1	69	4	0	4	92	1	93
PASSENGER	102 96.2%			463 96.5%			21 95.5%			586 96.4%		
TRUCK	4 3.8%			17 3.5%			1 4.5%			22 3.6%		
BOTH	106 17.4%			480 78.9%			22 3.6%			608 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	69	3	72	0	0	0	69	3	72
7:00 AM - 8:00 AM	0	0	0	115	5	120	1	0	1	116	5	121
8:00 AM - 9:00 AM	0	0	0	51	6	57	1	0	1	52	6	58
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	21	2	23	1	0	1	22	2	24
4:00 PM - 5:00 PM	0	0	0	73	3	76	1	0	1	74	3	77
5:00 PM - 6:00 PM	1	0	1	62	0	62	2	0	2	65	0	65
6:00 PM - 7:00 PM	0	0	0	23	3	26	1	0	1	24	3	27
PASSENGER	1 100.0%			414 95.0%			7 100.0%			422 95.0%		
TRUCK	0 0.0%			22 5.0%			0 0.0%			22 5.0%		
BOTH	1 0.2%			436 98.2%			7 1.6%			444 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	1	1	17	0	17	17	1	18
7:00 AM - 8:00 AM	0	0	0	2	1	3	23	4	27	25	5	30
8:00 AM - 9:00 AM	0	0	0	1	1	2	16	1	17	17	2	19
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	1	1	2	0	2	6	1	7	8	2	10
4:00 PM - 5:00 PM	1	0	1	12	0	12	12	0	12	25	0	25
5:00 PM - 6:00 PM	1	0	1	11	1	12	18	0	18	30	1	31
6:00 PM - 7:00 PM	0	0	0	5	0	5	7	0	7	12	0	12
PASSENGER	2 66.7%			33 89.2%			99 94.3%			134 92.4%		
TRUCK	1 33.3%			4 10.8%			6 5.7%			11 7.6%		
BOTH	3 2.1%			37 25.5%			105 72.4%			145 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	3	0	3	0	0	0	7	0	7
7:00 AM - 8:00 AM	4	1	5	2	1	3	0	0	0	6	2	8
8:00 AM - 9:00 AM	2	0	2	3	1	4	1	0	1	6	1	7
PM TIME PERIOD												
3:00 PM - 4:00 PM	4	0	4	0	1	1	2	0	2	6	1	7
4:00 PM - 5:00 PM	1	0	1	2	0	2	2	0	2	5	0	5
5:00 PM - 6:00 PM	4	0	4	3	0	3	1	0	1	8	0	8
6:00 PM - 7:00 PM	2	0	2	1	0	1	0	0	0	3	0	3
PASSENGER	21 95.5%			14 82.4%			6 100.0%			41 91.1%		
TRUCK	1 4.5%			3 17.6%			0 0.0%			4 8.9%		
BOTH	22 48.9%			17 37.8%			6 13.3%			45 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 156th St & Prairie Baptist Rd (#36)  
 9/12/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	4	9	1	14					0	40	5	45
SOUTHBOUND	0	47	5	52					0	13	1	14
EASTBOUND	4	3	1	8					9	7	4	20
WESTBOUND	1	5	0	6					0	4	3	7

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.88	0.77			0.59	0.83
SOUTHBOUND	0.81				0.44	
EASTBOUND	0.67				0.63	
WESTBOUND	0.50				0.44	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	25.0%	11.1%	0.0%	14.3%					0.0%	0.0%	20.0%	2.2%
SOUTHBOUND	0.0%	0.0%	20.0%	1.9%					0.0%	15.4%	0.0%	14.3%
EASTBOUND	0.0%	33.3%	0.0%	12.5%					0.0%	14.3%	0.0%	5.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	33.3%	14.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	7	30	37	3	2	5	42
7:00 AM	TO	8:00 AM	14	52	66	8	6	14	80
8:00 AM	TO	9:00 AM	11	27	38	2	2	4	42
3:00 PM	TO	4:00 PM	21	14	35	5	3	8	43
4:00 PM	TO	5:00 PM	35	16	51	15	3	18	69
5:00 PM	TO	6:00 PM	44	17	61	18	7	25	86
6:00 PM	TO	7:00 PM	14	10	24	9	1	10	34
TOTAL VOLUME			146	166	312	60	24	84	396
PERCENTAGE			36.9%	41.9%	78.8%	15.2%	6.1%	21.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
156th St & Prairie Baptist Rd (#36)  
9/12/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	5	1	6	0	0	0	6	1	7
7:00 AM - 8:00 AM	3	1	4	8	1	9	1	0	1	12	2	14
8:00 AM - 9:00 AM	1	1	2	8	1	9	0	0	0	9	2	11
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	1	2	18	0	18	1	0	1	20	1	21
4:00 PM - 5:00 PM	0	0	0	34	0	34	1	0	1	35	0	35
5:00 PM - 6:00 PM	0	0	0	40	0	40	3	1	4	43	1	44
6:00 PM - 7:00 PM	1	0	1	11	1	12	1	0	1	13	1	14
PASSENGER	7 70.0%			124 96.9%			7 87.5%			138 94.5%		
TRUCK	3 30.0%			4 3.1%			1 12.5%			8 5.5%		
BOTH	10 6.8%			128 87.7%			8 5.5%			146 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	26	0	26	3	0	3	30	0	30
7:00 AM - 8:00 AM	0	0	0	47	0	47	4	1	5	51	1	52
8:00 AM - 9:00 AM	0	0	0	24	1	25	2	0	2	26	1	27
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	10	0	10	2	2	4	12	2	14
4:00 PM - 5:00 PM	0	0	0	12	2	14	2	0	2	14	2	16
5:00 PM - 6:00 PM	0	0	0	14	1	15	2	0	2	16	1	17
6:00 PM - 7:00 PM	0	0	0	8	0	8	2	0	2	10	0	10
PASSENGER	1 100.0%			141 97.2%			17 85.0%			159 95.8%		
TRUCK	0 0.0%			4 2.8%			3 15.0%			7 4.2%		
BOTH	1 0.6%			145 87.3%			20 12.0%			166 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1	1	0	1	0	1	1	1	2	3
7:00 AM - 8:00 AM	4	0	4	2	1	3	1	0	1	7	1	8
8:00 AM - 9:00 AM	0	0	0	1	0	1	0	1	1	1	1	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	1	0	1	0	1	1	4	1	5
4:00 PM - 5:00 PM	7	0	7	6	0	6	2	0	2	15	0	15
5:00 PM - 6:00 PM	6	0	6	6	1	7	5	0	5	17	1	18
6:00 PM - 7:00 PM	2	0	2	5	0	5	2	0	2	9	0	9
PASSENGER	22 95.7%			22 91.7%			10 76.9%			54 90.0%		
TRUCK	1 4.3%			2 8.3%			3 23.1%			6 10.0%		
BOTH	23 38.3%			24 40.0%			13 21.7%			60 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	2	0	2	0	0	0	2	0	2
7:00 AM - 8:00 AM	1	0	1	5	0	5	0	0	0	6	0	6
8:00 AM - 9:00 AM	0	0	0	2	0	2	0	0	0	2	0	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	3	0	3	0	0	0	3	0	3
4:00 PM - 5:00 PM	0	0	0	3	0	3	0	0	0	3	0	3
5:00 PM - 6:00 PM	0	0	0	4	0	4	2	1	3	6	1	7
6:00 PM - 7:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
PASSENGER	1 100.0%			19 100.0%			3 75.0%			23 95.8%		
TRUCK	0 0.0%			0 0.0%			1 25.0%			1 4.2%		
BOTH	1 4.2%			19 79.2%			4 16.7%			24 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd. & 156th St. (#37)  
6/14/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 8:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	5	32	1	38					1	38	2	41
SOUTHBOUND	0	18	0	18					2	27	0	29
EASTBOUND	1	0	2	3					3	4	5	12
WESTBOUND	1	0	0	1					0	1	1	2

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.63	0.71			0.73	0.84
SOUTHBOUND	0.75				0.66	
EASTBOUND	0.38				0.50	
WESTBOUND	0.25				0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	2.6%	0.0%	2.4%
SOUTHBOUND	0.0%	5.6%	0.0%	5.6%					50.0%	0.0%	0.0%	3.4%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	100.0%	50.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	12	18	30	1	5	6	36
7:00 AM	TO	8:00 AM	25	19	44	5	2	7	51
8:00 AM	TO	9:00 AM	38	18	56	3	1	4	60
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	16	11	27	1	0	1	28
4:00 PM	TO	5:00 PM	37	22	59	11	2	13	72
5:00 PM	TO	6:00 PM	33	33	66	6	2	8	74
6:00 PM	TO	7:00 PM	10	12	22	4	1	5	27
TOTAL VOLUME			171	133	304	31	13	44	348
PERCENTAGE			49.1%	38.2%	87.4%	8.9%	3.7%	12.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd. & 156th St. (#37)  
6/14/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	9	1	10	0	0	0	11	1	12
7:00 AM - 8:00 AM	2	1	3	20	1	21	1	0	1	23	2	25
8:00 AM - 9:00 AM	5	0	5	32	0	32	1	0	1	38	0	38
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	15	0	15	0	0	0	16	0	16
4:00 PM - 5:00 PM	1	0	1	34	1	35	1	0	1	36	1	37
5:00 PM - 6:00 PM	2	0	2	28	0	28	3	0	3	33	0	33
6:00 PM - 7:00 PM	0	0	0	9	1	10	0	0	0	9	1	10
PASSENGER	13 92.9%			147 97.4%			6 100.0%			166 97.1%		
TRUCK	1 7.1%			4 2.6%			0 0.0%			5 2.9%		
BOTH	14 8.2%			151 88.3%			6 3.5%			171 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	16	1	17	1	0	1	17	1	18
7:00 AM - 8:00 AM	1	0	1	18	0	18	0	0	0	19	0	19
8:00 AM - 9:00 AM	0	0	0	17	1	18	0	0	0	17	1	18
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	9	0	9	1	0	1	11	0	11
4:00 PM - 5:00 PM	0	1	1	21	0	21	0	0	0	21	1	22
5:00 PM - 6:00 PM	3	0	3	30	0	30	0	0	0	33	0	33
6:00 PM - 7:00 PM	0	0	0	12	0	12	0	0	0	12	0	12
PASSENGER	5 83.3%			123 98.4%			2 100.0%			130 97.7%		
TRUCK	1 16.7%			2 1.6%			0 0.0%			3 2.3%		
BOTH	6 4.5%			125 94.0%			2 1.5%			133 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	0	0	0	0	0	0	1	0	1
7:00 AM - 8:00 AM	1	0	1	1	0	1	1	2	3	3	2	5
8:00 AM - 9:00 AM	1	0	1	0	0	0	2	0	2	3	0	3
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	1	0	1	0	0	0	1	0	1
4:00 PM - 5:00 PM	3	0	3	4	0	4	4	0	4	11	0	11
5:00 PM - 6:00 PM	2	0	2	3	0	3	1	0	1	6	0	6
6:00 PM - 7:00 PM	0	0	0	4	0	4	0	0	0	4	0	4
PASSENGER	8 100.0%			13 100.0%			8 80.0%			29 93.5%		
TRUCK	0 0.0%			0 0.0%			2 20.0%			2 6.5%		
BOTH	8 25.8%			13 41.9%			10 32.3%			31 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	5	0	5	0	0	0	5	0	5
7:00 AM - 8:00 AM	0	0	0	0	0	0	2	0	2	2	0	2
8:00 AM - 9:00 AM	1	0	1	0	0	0	0	0	0	1	0	1
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	1	0	1	0	1	1	1	1	2
5:00 PM - 6:00 PM	1	0	1	0	0	0	1	0	1	2	0	2
6:00 PM - 7:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
PASSENGER	2 100.0%			6 100.0%			4 80.0%			12 92.3%		
TRUCK	0 0.0%			0 0.0%			1 20.0%			1 7.7%		
BOTH	2 15.4%			6 46.2%			5 38.5%			13 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Atlantic Rd. & 156th St. (#38)  
6/12/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	1	0	1					0	3	0	3
SOUTHBOUND	0	10	0	10					0	8	1	9
EASTBOUND	1	0	1	2					3	0	1	4
WESTBOUND	0	0	0	0					0	0	0	0

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.25	0.65				0.38	0.80
SOUTHBOUND	0.50					0.75	
EASTBOUND	0.50					0.33	
WESTBOUND	#DIV/0!					#DIV/0!	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY										
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL	
6:00 AM	TO	7:00 AM	2	8	10	2	0	2	12	
7:00 AM	TO	8:00 AM	2	3	5	2	0	2	7	
8:00 AM	TO	9:00 AM	3	6	9	3	0	3	12	
9:00 AM	TO	10:00 AM	1	0	1	0	0	0	1	
3:00 PM	TO	4:00 PM	2	1	3	1	0	1	4	
4:00 PM	TO	5:00 PM	1	11	12	0	0	0	12	
5:00 PM	TO	6:00 PM	3	7	10	6	0	6	16	
6:00 PM	TO	7:00 PM	3	3	6	0	0	0	6	
TOTAL VOLUME			17	39	56	14	0	14	70	
PERCENTAGE			24.3%	55.7%	80.0%	20.0%	0.0%	20.0%	100.0%	

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Atlantic Rd. & 156th St. (#38)  
6/12/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	1	0	1	0	0	0	2	0	2
7:00 AM - 8:00 AM	0	0	0	2	0	2	0	0	0	2	0	2
8:00 AM - 9:00 AM	0	0	0	2	1	3	0	0	0	2	1	3
9:00 AM - 10:00 AM	0	0	0	1	0	1	0	0	0	1	0	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	2	0	2	0	0	0	2	0	2
4:00 PM - 5:00 PM	0	0	0	1	0	1	0	0	0	1	0	1
5:00 PM - 6:00 PM	0	0	0	3	0	3	0	0	0	3	0	3
6:00 PM - 7:00 PM	1	0	1	2	0	2	0	0	0	3	0	3
PASSENGER	2 100.0%			14 93.3%			0 #DIV/0!			16 94.1%		
TRUCK	0 0.0%			1 6.7%			0 #DIV/0!			1 5.9%		
BOTH	2 11.8%			15 88.2%			0 0.0%			17 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	8	0	8	0	0	0	8	0	8
7:00 AM - 8:00 AM	0	0	0	3	0	3	0	0	0	3	0	3
8:00 AM - 9:00 AM	0	0	0	6	0	6	0	0	0	6	0	6
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	1	0	1	0	0	0	1	0	1
4:00 PM - 5:00 PM	0	0	0	9	0	9	2	0	2	11	0	11
5:00 PM - 6:00 PM	0	0	0	6	0	6	1	0	1	7	0	7
6:00 PM - 7:00 PM	0	0	0	3	0	3	0	0	0	3	0	3
PASSENGER	0 #DIV/0!			36 100.0%			3 100.0%			39 100.0%		
TRUCK	0 #DIV/0!			0 0.0%			0 0.0%			0 0.0%		
BOTH	0 0.0%			36 92.3%			3 7.7%			39 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	0	0	0	1	0	1	2	0	2
7:00 AM - 8:00 AM	1	0	1	0	0	0	1	0	1	2	0	2
8:00 AM - 9:00 AM	2	0	2	0	0	0	1	0	1	3	0	3
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	0	0	0	0	0	0	1	0	1
4:00 PM - 5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM - 6:00 PM	5	0	5	0	0	0	1	0	1	6	0	6
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	10 100.0%			0 #DIV/0!			4 100.0%			14 100.0%		
TRUCK	0 0.0%			0 #DIV/0!			0 0.0%			0 0.0%		
BOTH	10 71.4%			0 0.0%			4 28.6%			14 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM - 6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	0 #DIV/0!			0 #DIV/0!			0 #DIV/0!			0 #DIV/0!		
TRUCK	0 #DIV/0!			0 #DIV/0!			0 #DIV/0!			0 #DIV/0!		
BOTH	0 #DIV/0!			0 #DIV/0!			0 #DIV/0!			0 #DIV/0!		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Cherry Tree Rd & 160th St (#39)  
 8/29/2012  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		16	1	17						37	12	49
SOUTHBOUND	88	18		106					56	20		76
WESTBOUND	2		38	40					3		102	105

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.47				0.82	
SOUTHBOUND	0.83	0.77			0.79	0.86
WESTBOUND	0.59				0.94	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		6.3%	0.0%	5.9%						0.0%	0.0%	0.0%
SOUTHBOUND	4.5%	5.6%		4.7%					7.1%	0.0%		5.3%
WESTBOUND	0.0%		18.4%	17.5%					0.0%		4.9%	4.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	5	53	58		13	13	71
7:00 AM	TO	8:00 AM	26	100	126		34	34	160
8:00 AM	TO	9:00 AM	13	79	92		35	35	127
3:00 PM	TO	4:00 PM	26	64	90		46	46	136
4:00 PM	TO	5:00 PM	37	53	90		64	64	154
5:00 PM	TO	6:00 PM	57	83	140		78	78	218
TOTAL VOLUME			164	432	596		270	270	866
PERCENTAGE			18.9%	49.9%	68.8%		31.2%	31.2%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cherry Tree Rd & 160th St (#39)  
8/29/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				5	0	5	0	0	0	5	0	5
7:00 AM - 8:00 AM				24	1	25	1	0	1	25	1	26
8:00 AM - 9:00 AM				9	0	9	4	0	4	13	0	13
PM TIME PERIOD												
3:00 PM - 4:00 PM				20	2	22	4	0	4	24	2	26
4:00 PM - 5:00 PM				28	0	28	9	0	9	37	0	37
5:00 PM - 6:00 PM				45	0	45	12	0	12	57	0	57
PASSENGER				131			30			161		
				97.8%			100.0%			98.2%		
TRUCK				3			0			3		
				2.2%			0.0%			1.8%		
BOTH				134			30			164		
				81.7%			18.3%			100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	39	2	41	10	2	12				49	4	53
7:00 AM - 8:00 AM	81	3	84	16	0	16				97	3	100
8:00 AM - 9:00 AM	53	11	64	14	1	15				67	12	79
PM TIME PERIOD												
3:00 PM - 4:00 PM	38	12	50	13	1	14				51	13	64
4:00 PM - 5:00 PM	35	3	38	15	0	15				50	3	53
5:00 PM - 6:00 PM	59	3	62	21	0	21				80	3	83
PASSENGER	305			89						394		
	90.0%			95.7%						91.2%		
TRUCK	34			4						38		
	10.0%			4.3%						8.8%		
BOTH	339			93						432		
	78.5%			21.5%						100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2				9	2	11	11	2	13
7:00 AM - 8:00 AM	1	0	1				27	6	33	28	6	34
8:00 AM - 9:00 AM	6	0	6				19	10	29	25	10	35
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2				34	10	44	36	10	46
4:00 PM - 5:00 PM	1	0	1				57	6	63	58	6	64
5:00 PM - 6:00 PM	3	0	3				70	5	75	73	5	78
PASSENGER	15						216			231		
	100.0%						84.7%			85.6%		
TRUCK	0						39			39		
	0.0%						15.3%			14.4%		
BOTH	15						255			270		
	5.6%						94.4%			100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
160th St & River Ave (#40)  
7/24/2012  
AJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	8	2	77	87					12	1	50	63
SOUTHBOUND	11	0	5	16					6	2	6	14
EASTBOUND	3	169	5	177					6	95	13	114
WESTBOUND	20	64	7	91					59	248	18	325

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.81	0.92			0.75	0.90
SOUTHBOUND	0.67				0.39	
EASTBOUND	0.89				0.75	
WESTBOUND	0.91				0.86	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	12.5%	50.0%	2.6%	4.6%					0.0%	100.0%	0.0%	1.6%
SOUTHBOUND	100.0%	0.0%	60.0%	87.5%					100.0%	50.0%	83.3%	85.7%
EASTBOUND	100.0%	6.5%	0.0%	7.9%					100.0%	0.0%	0.0%	5.3%
WESTBOUND	15.0%	21.9%	57.1%	23.1%					0.0%	0.0%	38.9%	2.2%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	39	16	55	122	40	162	217
7:00 AM	TO	8:00 AM	79	18	97	173	79	252	349
8:00 AM	TO	9:00 AM	67	18	85	129	111	240	325
3:00 PM	TO	4:00 PM	19	12	31	67	92	159	190
4:00 PM	TO	5:00 PM	63	17	80	120	277	397	477
5:00 PM	TO	6:00 PM	63	14	77	114	325	439	516
6:00 PM	TO	7:00 PM	26	9	35	29	112	141	176
TOTAL VOLUME			356	104	460	754	1036	1790	2250
PERCENTAGE			15.8%	4.6%	20.4%	33.5%	46.0%	79.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
160th St & River Ave (#40)  
7/24/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	1	0	1	33	0	33	39	0	39
7:00 AM - 8:00 AM	10	2	12	1	0	1	64	2	66	75	4	79
8:00 AM - 9:00 AM	5	1	6	0	1	1	58	2	60	63	4	67
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	0	0	0	16	2	18	17	2	19
4:00 PM - 5:00 PM	13	0	13	1	0	1	49	0	49	63	0	63
5:00 PM - 6:00 PM	12	0	12	0	1	1	50	0	50	62	1	63
6:00 PM - 7:00 PM	9	0	9	0	0	0	17	0	17	26	0	26
PASSENGER	55 94.8%			3 60.0%			287 98.0%			345 96.9%		
TRUCK	3 5.2%			2 40.0%			6 2.0%			11 3.1%		
BOTH	58 16.3%			5 1.4%			293 82.3%			356 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	8	9	0	1	1	2	4	6	3	13	16
7:00 AM - 8:00 AM	1	11	12	0	0	0	0	6	6	1	17	18
8:00 AM - 9:00 AM	1	9	10	0	1	1	2	5	7	3	15	18
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	4	5	1	1	2	0	5	5	2	10	12
4:00 PM - 5:00 PM	0	7	7	1	1	2	2	6	8	3	14	17
5:00 PM - 6:00 PM	0	6	6	1	1	2	1	5	6	2	12	14
6:00 PM - 7:00 PM	1	2	3	3	0	3	0	3	3	4	5	9
PASSENGER	5 9.6%			6 54.5%			7 17.1%			18 17.3%		
TRUCK	47 90.4%			5 45.5%			34 82.9%			86 82.7%		
BOTH	52 50.0%			11 10.6%			41 39.4%			104 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	13	13	103	3	106	3	0	3	106	16	122
7:00 AM - 8:00 AM	1	1	2	156	9	165	6	0	6	163	10	173
8:00 AM - 9:00 AM	2	7	9	103	11	114	6	0	6	111	18	129
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	2	2	61	3	64	1	0	1	62	5	67
4:00 PM - 5:00 PM	0	6	6	99	0	99	15	0	15	114	6	120
5:00 PM - 6:00 PM	0	6	6	95	0	95	13	0	13	108	6	114
6:00 PM - 7:00 PM	0	3	3	23	0	23	3	0	3	26	3	29
PASSENGER	3 7.3%			640 96.1%			47 100.0%			690 91.5%		
TRUCK	38 92.7%			26 3.9%			0 0.0%			64 8.5%		
BOTH	41 5.4%			666 88.3%			47 6.2%			754 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	0	8	29	3	32	0	0	0	37	3	40
7:00 AM - 8:00 AM	16	4	20	40	15	55	2	2	4	58	21	79
8:00 AM - 9:00 AM	28	2	30	56	15	71	4	6	10	88	23	111
PM TIME PERIOD												
3:00 PM - 4:00 PM	15	2	17	62	7	69	2	4	6	79	13	92
4:00 PM - 5:00 PM	51	1	52	206	1	207	13	5	18	270	7	277
5:00 PM - 6:00 PM	59	0	59	248	0	248	11	7	18	318	7	325
6:00 PM - 7:00 PM	28	0	28	73	1	74	9	1	10	110	2	112
PASSENGER	205 95.8%			714 94.4%			41 62.1%			960 92.7%		
TRUCK	9 4.2%			42 5.6%			25 37.9%			76 7.3%		
BOTH	214 20.7%			756 73.0%			66 6.4%			1036 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
161st St & Gray Rd (#41)  
9/7/2012  
KP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	24	74	10	108					56	318	65	439
SOUTHBOUND	4	293	74	371					21	101	19	141
EASTBOUND	9	88	56	153					24	182	54	260
WESTBOUND	35	164	0	199					11	108	4	123

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.73	0.86			0.91	0.92
SOUTHBOUND	0.84				0.88	
EASTBOUND	0.74				0.90	
WESTBOUND	0.84				0.83	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	4.2%	4.1%	10.0%	4.6%					3.6%	2.8%	0.0%	2.5%
SOUTHBOUND	25.0%	1.4%	1.4%	1.6%					4.8%	4.0%	10.5%	5.0%
EASTBOUND	0.0%	6.8%	0.0%	3.9%					8.3%	2.7%	0.0%	2.7%
WESTBOUND	2.9%	1.2%	0.0%	1.5%					0.0%	5.6%	0.0%	4.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	22	113	135	33	46	79	214
7:00 AM	TO	8:00 AM	108	371	479	153	199	352	831
8:00 AM	TO	9:00 AM	39	138	177	58	69	127	304
2:00 PM	TO	3:00 PM	150	112	262	98	70	168	430
3:00 PM	TO	4:00 PM	202	114	316	172	71	243	559
4:00 PM	TO	5:00 PM	297	121	418	189	113	302	720
5:00 PM	TO	6:00 PM	434	140	574	263	120	383	957
TOTAL VOLUME			1252	1109	2361	966	688	1654	4015
PERCENTAGE			31.2%	27.6%	58.8%	24.1%	17.1%	41.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
161st St & Gray Rd (#41)  
9/7/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	13	2	15	1	0	1	20	2	22
7:00 AM - 8:00 AM	23	1	24	71	3	74	9	1	10	103	5	108
8:00 AM - 9:00 AM	5	1	6	25	2	27	5	1	6	35	4	39
PM TIME PERIOD												
2:00 PM - 3:00 PM	19	0	19	111	5	116	15	0	15	145	5	150
3:00 PM - 4:00 PM	39	1	40	123	12	135	24	3	27	186	16	202
4:00 PM - 5:00 PM	43	1	44	209	6	215	38	0	38	290	7	297
5:00 PM - 6:00 PM	53	3	56	304	6	310	68	0	68	425	9	434
PASSENGER	188 96.4%			856 96.0%			160 97.0%			1204 96.2%		
TRUCK	7 3.6%			36 4.0%			5 3.0%			48 3.8%		
BOTH	195 15.6%			892 71.2%			165 13.2%			1252 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	84	1	85	28	0	28	112	1	113
7:00 AM - 8:00 AM	3	1	4	289	4	293	73	1	74	365	6	371
8:00 AM - 9:00 AM	3	0	3	107	3	110	24	1	25	134	4	138
PM TIME PERIOD												
2:00 PM - 3:00 PM	5	0	5	75	7	82	23	2	25	103	9	112
3:00 PM - 4:00 PM	6	0	6	84	3	87	19	2	21	109	5	114
4:00 PM - 5:00 PM	4	0	4	105	4	109	8	0	8	117	4	121
5:00 PM - 6:00 PM	20	1	21	93	4	97	20	2	22	133	7	140
PASSENGER	41 95.3%			837 97.0%			195 96.1%			1073 96.8%		
TRUCK	2 4.7%			26 3.0%			8 3.9%			36 3.2%		
BOTH	43 3.9%			863 77.8%			203 18.3%			1109 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	19	1	20	9	0	9	32	1	33
7:00 AM - 8:00 AM	9	0	9	82	6	88	56	0	56	147	6	153
8:00 AM - 9:00 AM	4	0	4	38	1	39	13	2	15	55	3	58
PM TIME PERIOD												
2:00 PM - 3:00 PM	15	1	16	62	2	64	17	1	18	94	4	98
3:00 PM - 4:00 PM	30	3	33	100	5	105	33	1	34	163	9	172
4:00 PM - 5:00 PM	27	0	27	131	4	135	26	1	27	184	5	189
5:00 PM - 6:00 PM	25	3	28	178	6	184	49	2	51	252	11	263
PASSENGER	114 94.2%			610 96.1%			203 96.7%			927 96.0%		
TRUCK	7 5.8%			25 3.9%			7 3.3%			39 4.0%		
BOTH	121 12.5%			635 65.7%			210 21.7%			966 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	12	0	12	34	0	34	0	0	0	46	0	46
7:00 AM - 8:00 AM	34	1	35	162	2	164	0	0	0	196	3	199
8:00 AM - 9:00 AM	12	0	12	55	1	56	0	1	1	67	2	69
PM TIME PERIOD												
2:00 PM - 3:00 PM	8	1	9	53	3	56	5	0	5	66	4	70
3:00 PM - 4:00 PM	5	1	6	55	7	62	1	2	3	61	10	71
4:00 PM - 5:00 PM	6	0	6	100	2	102	3	2	5	109	4	113
5:00 PM - 6:00 PM	11	0	11	95	5	100	9	0	9	115	5	120
PASSENGER	88 96.7%			554 96.5%			18 78.3%			660 95.9%		
TRUCK	3 3.3%			20 3.5%			5 21.7%			28 4.1%		
BOTH	91 13.2%			574 83.4%			23 3.3%			688 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Hazel Dell Road & 161st Street (#42)  
5/9/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	36	330	13	379					18	1032	72
SOUTHBOUND	5	1018	48	1071					4	522	20	546
EASTBOUND	10	13	40	63					67	92	65	224
WESTBOUND	88	69	4	161					40	32	9	81

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.98					0.98
SOUTHBOUND	0.91	0.89				0.81	0.93
EASTBOUND	0.79					0.79	
WESTBOUND	0.67					0.92	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	5.6%	3.0%	0.0%	3.2%					0.0%	1.4%	1.4%
SOUTHBOUND	40.0%	1.3%	0.0%	1.4%					0.0%	1.0%	0.0%	0.9%
EASTBOUND	0.0%	0.0%	2.5%	1.6%					1.5%	4.3%	0.0%	2.2%
WESTBOUND	1.1%	0.0%	0.0%	0.6%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	102	387	489	14	41	55	544
7:00 AM	TO	8:00 AM	379	1071	1450	63	161	224	1674
8:00 AM	TO	9:00 AM	205	401	606	44	57	101	707
2:00 PM	TO	3:00 PM	432	372	804	68	44	112	916
3:00 PM	TO	4:00 PM	585	374	959	102	46	148	1107
4:00 PM	TO	5:00 PM	646	465	1111	115	42	157	1268
5:00 PM	TO	6:00 PM	1122	546	1668	224	81	305	1973
TOTAL VOLUME			3471	3616	7087	630		1102	8189
PERCENTAGE			42.4%	44.2%	86.5%	7.7%		13.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Hazel Dell Road & 161st Street (#42)  
5/9/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	0	8	91	1	92	2	0	2	101	1	102
7:00 AM - 8:00 AM	34	2	36	320	10	330	13	0	13	367	12	379
8:00 AM - 9:00 AM	17	1	18	169	10	179	8	0	8	194	11	205
PM TIME PERIOD												
2:00 PM - 3:00 PM	17	0	17	369	16	385	29	1	30	415	17	432
3:00 PM - 4:00 PM	19	1	20	498	30	528	34	3	37	551	34	585
4:00 PM - 5:00 PM	28	2	30	556	18	574	42	0	42	626	20	646
5:00 PM - 6:00 PM	18	0	18	1018	14	1032	71	1	72	1107	15	1122
PASSENGER	141 95.9%			3021 96.8%			199 97.5%			3361 96.8%		
TRUCK	6 4.1%			99 3.2%			5 2.5%			110 3.2%		
BOTH	147 4.2%			3120 89.9%			204 5.9%			3471 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	370	7	377	9	0	9	380	7	387
7:00 AM - 8:00 AM	3	2	5	1005	13	1018	48	0	48	1056	15	1071
8:00 AM - 9:00 AM	0	1	1	361	18	379	20	1	21	381	20	401
PM TIME PERIOD												
2:00 PM - 3:00 PM	7	1	8	330	15	345	18	1	19	355	17	372
3:00 PM - 4:00 PM	2	0	2	321	22	343	27	2	29	350	24	374
4:00 PM - 5:00 PM	7	0	7	413	18	431	27	0	27	447	18	465
5:00 PM - 6:00 PM	4	0	4	517	5	522	20	0	20	541	5	546
PASSENGER	24 85.7%			3317 97.1%			169 97.7%			3510 97.1%		
TRUCK	4 14.3%			98 2.9%			4 2.3%			106 2.9%		
BOTH	28 0.8%			3415 94.4%			173 4.8%			3616 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	4	0	4	9	0	9	14	0	14
7:00 AM - 8:00 AM	10	0	10	13	0	13	39	1	40	62	1	63
8:00 AM - 9:00 AM	8	0	8	5	2	7	27	2	29	40	4	44
PM TIME PERIOD												
2:00 PM - 3:00 PM	27	1	28	23	1	24	16	0	16	66	2	68
3:00 PM - 4:00 PM	24	2	26	26	3	29	41	6	47	91	11	102
4:00 PM - 5:00 PM	50	0	50	35	0	35	29	1	30	114	1	115
5:00 PM - 6:00 PM	66	1	67	88	4	92	65	0	65	219	5	224
PASSENGER	186 97.9%			194 95.1%			226 95.8%			606 96.2%		
TRUCK	4 2.1%			10 4.9%			10 4.2%			24 3.8%		
BOTH	190 30.2%			204 32.4%			236 37.5%			630 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	21	0	21	17	0	17	3	0	3	41	0	41
7:00 AM - 8:00 AM	87	1	88	69	0	69	4	0	4	160	1	161
8:00 AM - 9:00 AM	30	3	33	17	1	18	6	0	6	53	4	57
PM TIME PERIOD												
2:00 PM - 3:00 PM	21	1	22	15	2	17	4	1	5	40	4	44
3:00 PM - 4:00 PM	16	3	19	11	2	13	12	2	14	39	7	46
4:00 PM - 5:00 PM	21	0	21	11	0	11	9	1	10	41	1	42
5:00 PM - 6:00 PM	40	0	40	32	0	32	9	0	9	81	0	81
PASSENGER	236 96.7%			172 97.2%			47 92.2%			455 96.4%		
TRUCK	8 3.3%			5 2.8%			4 7.8%			17 3.6%		
BOTH	244 51.7%			177 37.5%			51 10.8%			472 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 161st St & Seminole Rd (#43)  
 9/12/2012  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	8	2	2	12					4	1	4	9
SOUTHBOUND	4	1	93	98					6	1	26	33
EASTBOUND	6	35	2	43					53	106	6	165
WESTBOUND	2	71	1	74					2	49	8	59

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.60	0.89			0.45	0.92
SOUTHBOUND	0.84				0.83	
EASTBOUND	0.98				0.90	
WESTBOUND	0.74				0.92	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	50.0%	0.0%	8.3%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	50.0%	0.0%	1.1%	3.1%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	8.6%	50.0%	9.3%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	5.6%	0.0%	5.4%					0.0%	2.0%	0.0%	1.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	4	36	40	11	33	44	84
7:00 AM	TO	8:00 AM	13	87	100	46	63	109	209
8:00 AM	TO	9:00 AM	7	29	36	15	31	46	82
2:00 PM	TO	3:00 PM	7	16	23	39	21	60	83
3:00 PM	TO	4:00 PM	12	11	23	63	23	86	109
4:00 PM	TO	5:00 PM	3	29	32	92	45	137	169
5:00 PM	TO	6:00 PM	11	29	40	160	58	218	258
TOTAL VOLUME			57	237	294	426	274	700	994
PERCENTAGE			5.7%	23.8%	29.6%	42.9%	27.6%	70.4%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
161st St & Seminole Rd (#43)  
9/12/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	0	0	0	1	0	1	4	0	4
7:00 AM - 8:00 AM	8	0	8	1	1	2	3	0	3	12	1	13
8:00 AM - 9:00 AM	3	0	3	1	0	1	0	3	3	4	3	7
PM TIME PERIOD												
2:00 PM - 3:00 PM	3	1	4	2	0	2	0	1	1	5	2	7
3:00 PM - 4:00 PM	5	0	5	2	0	2	3	2	5	10	2	12
4:00 PM - 5:00 PM	2	0	2	1	0	1	0	0	0	3	0	3
5:00 PM - 6:00 PM	5	0	5	2	0	2	4	0	4	11	0	11
PASSENGER	29 96.7%			9 90.0%			11 64.7%			49 86.0%		
TRUCK	1 3.3%			1 10.0%			6 35.3%			8 14.0%		
BOTH	30 52.6%			10 17.5%			17 29.8%			57 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	1	3	0	0	0	33	0	33	35	1	36
7:00 AM - 8:00 AM	2	1	3	1	0	1	82	1	83	85	2	87
8:00 AM - 9:00 AM	1	0	1	0	0	0	27	1	28	28	1	29
PM TIME PERIOD												
2:00 PM - 3:00 PM	3	2	5	1	2	3	8	0	8	12	4	16
3:00 PM - 4:00 PM	1	0	1	1	0	1	9	0	9	11	0	11
4:00 PM - 5:00 PM	4	0	4	3	0	3	22	0	22	29	0	29
5:00 PM - 6:00 PM	6	0	6	3	0	3	20	0	20	29	0	29
PASSENGER	19 82.6%			9 81.8%			201 99.0%			229 96.6%		
TRUCK	4 17.4%			2 18.2%			2 1.0%			8 3.4%		
BOTH	23 9.7%			11 4.6%			203 85.7%			237 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	10	0	10	0	0	0	11	0	11
7:00 AM - 8:00 AM	9	0	9	31	3	34	2	1	3	42	4	46
8:00 AM - 9:00 AM	3	0	3	10	2	12	0	0	0	13	2	15
PM TIME PERIOD												
2:00 PM - 3:00 PM	12	0	12	25	2	27	0	0	0	37	2	39
3:00 PM - 4:00 PM	18	3	21	34	6	40	2	0	2	54	9	63
4:00 PM - 5:00 PM	23	0	23	65	2	67	2	0	2	90	2	92
5:00 PM - 6:00 PM	51	0	51	104	0	104	5	0	5	160	0	160
PASSENGER	117 97.5%			279 94.9%			11 91.7%			407 95.5%		
TRUCK	3 2.5%			15 5.1%			1 8.3%			19 4.5%		
BOTH	120 28.2%			294 69.0%			12 2.8%			426 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	32	1	33	0	0	0	32	1	33
7:00 AM - 8:00 AM	2	0	2	56	3	59	2	0	2	60	3	63
8:00 AM - 9:00 AM	0	3	3	24	3	27	1	0	1	25	6	31
PM TIME PERIOD												
2:00 PM - 3:00 PM	1	1	2	15	3	18	1	0	1	17	4	21
3:00 PM - 4:00 PM	1	0	1	20	1	21	1	0	1	22	1	23
4:00 PM - 5:00 PM	2	0	2	36	2	38	5	0	5	43	2	45
5:00 PM - 6:00 PM	1	0	1	47	1	48	9	0	9	57	1	58
PASSENGER	7 63.6%			230 94.3%			19 100.0%			256 93.4%		
TRUCK	4 36.4%			14 5.7%			0 0.0%			18 6.6%		
BOTH	11 4.0%			244 89.1%			19 6.9%			274 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

Noblesville  
 Cherry Tree Rd & 161st St (#44)  
 7/25/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 8:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	15	36		51					32	63		95
SOUTHBOUND		65	32	97						50	20	70
EASTBOUND	23		28	51					57		28	85

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.64				0.82	
SOUTHBOUND	0.84	0.84			0.83	0.87
EASTBOUND	0.80				0.82	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	26.7%	2.8%		9.8%					3.1%	0.0%		1.1%
SOUTHBOUND		1.5%	3.1%	2.1%						2.0%	0.0%	1.4%
EASTBOUND	0.0%		21.4%	11.8%					0.0%		3.6%	1.2%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	11	57	68	18		18	86
7:00 AM	TO	8:00 AM	36	108	144	35		35	179
8:00 AM	TO	9:00 AM	51	97	148	51		51	199
3:00 PM	TO	4:00 PM	36	25	61	19		19	80
4:00 PM	TO	5:00 PM	94	47	141	60		60	201
5:00 PM	TO	6:00 PM	95	70	165	85		85	250
6:00 PM	TO	7:00 PM	30	34	64	37		37	101
TOTAL VOLUME			353	438	791	305		305	1096
PERCENTAGE			32.2%	40.0%	72.2%	27.8%		27.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Cherry Tree Rd & 161st St (#44)  
7/25/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1	10	0	10				11	0	11
7:00 AM - 8:00 AM	12	2	14	22	0	22				34	2	36
8:00 AM - 9:00 AM	11	4	15	35	1	36				46	5	51
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	9	1	10	26	0	26				35	1	36
4:00 PM - 5:00 PM	27	2	29	64	1	65				91	3	94
5:00 PM - 6:00 PM	31	1	32	63	0	63				94	1	95
6:00 PM - 7:00 PM	5	0	5	25	0	25				30	0	30
<b>PASSENGER</b>	96 90.6%			245 99.2%						341 96.6%		
<b>TRUCK</b>	10 9.4%			2 0.8%						12 3.4%		
<b>BOTH</b>	106 30.0%			247 70.0%						353 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				40	0	40	17	0	17	57	0	57
7:00 AM - 8:00 AM				72	0	72	36	0	36	108	0	108
8:00 AM - 9:00 AM				64	1	65	31	1	32	95	2	97
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				17	0	17	8	0	8	25	0	25
4:00 PM - 5:00 PM				26	2	28	19	0	19	45	2	47
5:00 PM - 6:00 PM				49	1	50	20	0	20	69	1	70
6:00 PM - 7:00 PM				22	0	22	11	1	12	33	1	34
<b>PASSENGER</b>				290 98.6%			142 98.6%			432 98.6%		
<b>TRUCK</b>				4 1.4%			2 1.4%			6 1.4%		
<b>BOTH</b>				294 67.1%			144 32.9%			438 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	4	0	4				14	0	14	18	0	18
7:00 AM - 8:00 AM	13	0	13				20	2	22	33	2	35
8:00 AM - 9:00 AM	23	0	23				22	6	28	45	6	51
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	14	0	14				4	1	5	18	1	19
4:00 PM - 5:00 PM	35	0	35				21	4	25	56	4	60
5:00 PM - 6:00 PM	57	0	57				27	1	28	84	1	85
6:00 PM - 7:00 PM	27	0	27				10	0	10	37	0	37
<b>PASSENGER</b>	173 100.0%						118 89.4%			291 95.4%		
<b>TRUCK</b>	0 0.0%						14 10.6%			14 4.6%		
<b>BOTH</b>	173 56.7%						132 43.3%			305 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 Cumberland Rd & 166th St (#45)  
 3/20/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND		32	12	44					91	132	64
SOUTHBOUND	16	33		49						111		202
WESTBOUND	67		29	96					30		55	85

PEAK HOUR FACTOR									
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR			PM PEAK HOUR FACTOR		
	APPROACH	INTERSECTION		APPROACH	INTERSECTION		APPROACH	INTERSECTION	
	NORTHBOUND	0.69						0.89	
SOUTHBOUND	0.68	0.86					0.84	0.95	
WESTBOUND	0.83						0.85		

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND		15.6%	25.0%	22.7%						0.8%	0.0%
SOUTHBOUND	12.5%	9.1%		10.2%					0.0%	0.0%		0.0%
WESTBOUND	1.5%		3.4%	8.3%					0.0%		0.0%	2.4%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	8	14	22		35	35	57
7:00 AM	TO	8:00 AM	34	36	70		80	80	150
8:00 AM	TO	9:00 AM	19	23	42		46	46	88
2:00 PM	TO	3:00 PM	98	116	214		58	58	272
3:00 PM	TO	4:00 PM	101	121	222		66	66	288
4:00 PM	TO	5:00 PM	136	136	272		67	67	339
5:00 PM	TO	6:00 PM	196	202	398		85	85	483
TOTAL VOLUME			592	648	1240		437	437	1677
PERCENTAGE			35.3%	38.6%	73.9%		26.1%	26.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Cumberland Rd & 166th St (#45)  
3/20/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				8	0	8	0	0	0	8	0	8
7:00 AM - 8:00 AM				20	5	25	6	3	9	26	8	34
8:00 AM - 9:00 AM				13	0	13	6	0	6	19	0	19
PM TIME PERIOD												
2:00 PM - 3:00 PM				71	0	71	27	0	27	98	0	98
3:00 PM - 4:00 PM				59	1	60	40	1	41	99	2	101
4:00 PM - 5:00 PM				86	1	87	48	1	49	134	2	136
5:00 PM - 6:00 PM				131	1	132	64	0	64	195	1	196
PASSENGER				388			191			579		
				98.0%			97.4%			97.8%		
TRUCK				8			5			13		
				2.0%			2.6%			2.2%		
BOTH				396			196			592		
				66.9%			33.1%			100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	3	5	7	2	9				9	5	14
7:00 AM - 8:00 AM	12	2	14	19	3	22				31	5	36
8:00 AM - 9:00 AM	8	0	8	15	0	15				23	0	23
PM TIME PERIOD												
2:00 PM - 3:00 PM	38	4	42	72	2	74				110	6	116
3:00 PM - 4:00 PM	46	0	46	75	0	75				121	0	121
4:00 PM - 5:00 PM	51	0	51	85	0	85				136	0	136
5:00 PM - 6:00 PM	91	0	91	111	0	111				202	0	202
PASSENGER	248			384						632		
	96.5%			98.2%						97.5%		
TRUCK	9			7						16		
	3.5%			1.8%						2.5%		
BOTH	257			391						648		
	39.7%			60.3%						100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	24	1	25				10	0	10	34	1	35
7:00 AM - 8:00 AM	44	1	45				35	0	35	79	1	80
8:00 AM - 9:00 AM	34	0	34				11	1	12	45	1	46
PM TIME PERIOD												
2:00 PM - 3:00 PM	22	0	22				33	3	36	55	3	58
3:00 PM - 4:00 PM	23	2	25				39	2	41	62	4	66
4:00 PM - 5:00 PM	29	1	30				37	0	37	66	1	67
5:00 PM - 6:00 PM	30	0	30				55	0	55	85	0	85
PASSENGER	206						220			426		
	97.6%						97.3%			97.5%		
TRUCK	5						6			11		
	2.4%						2.7%			2.5%		
BOTH	211						226			437		
	48.3%						51.7%			100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
166th St & Union Chapel Rd (#46)  
9/20/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 8:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	6	110	6	122					9	152	17	178
SOUTHBOUND	35	106	15	156					89	171	4	264
EASTBOUND	6	22	9	37					15	66	10	91
WESTBOUND	11	30	34	75					16	40	82	138

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.71	0.93			0.82	0.91
SOUTHBOUND	0.91				0.90	
EASTBOUND	0.77				0.76	
WESTBOUND	0.85				0.88	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	7.3%	16.7%	7.4%					11.1%	1.3%	0.0%	1.7%
SOUTHBOUND	8.6%	2.8%	0.0%	3.8%					0.0%	2.3%	0.0%	1.5%
EASTBOUND	0.0%	9.1%	0.0%	5.4%					0.0%	1.5%	0.0%	1.1%
WESTBOUND	18.2%	0.0%	2.9%	4.0%					6.3%	0.0%	1.2%	1.4%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	53	65	118	11	50	61	179
7:00 AM	TO	8:00 AM	137	116	253	17	104	121	374
8:00 AM	TO	9:00 AM	122	156	278	37	75	112	390
3:00 PM	TO	4:00 PM	71	111	182	40	28	68	250
4:00 PM	TO	5:00 PM	172	211	383	68	90	158	541
5:00 PM	TO	6:00 PM	178	264	442	91	138	229	671
6:00 PM	TO	7:00 PM	89	141	230	43	48	91	321
TOTAL VOLUME			822	1064	1886	307	533	840	2726
PERCENTAGE			30.2%	39.0%	69.2%	11.3%	19.6%	30.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
166th St & Union Chapel Rd (#46)  
9/20/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	50	0	50	1	1	2	52	1	53
7:00 AM - 8:00 AM	5	0	5	126	2	128	3	1	4	134	3	137
8:00 AM - 9:00 AM	6	0	6	102	8	110	5	1	6	113	9	122
PM TIME PERIOD												
3:00 PM - 4:00 PM	4	0	4	56	4	60	5	2	7	65	6	71
4:00 PM - 5:00 PM	14	0	14	141	6	147	11	0	11	166	6	172
5:00 PM - 6:00 PM	8	1	9	150	2	152	17	0	17	175	3	178
6:00 PM - 7:00 PM	3	0	3	69	1	70	16	0	16	88	1	89
PASSENGER	41 97.6%			694 96.8%			58 92.1%			793 96.5%		
TRUCK	1 2.4%			23 3.2%			5 7.9%			29 3.5%		
BOTH	42 5.1%			717 87.2%			63 7.7%			822 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	0	8	52	1	53	4	0	4	64	1	65
7:00 AM - 8:00 AM	12	0	12	93	4	97	7	0	7	112	4	116
8:00 AM - 9:00 AM	32	3	35	103	3	106	15	0	15	150	6	156
PM TIME PERIOD												
3:00 PM - 4:00 PM	53	1	54	52	1	53	4	0	4	109	2	111
4:00 PM - 5:00 PM	71	0	71	121	2	123	17	0	17	209	2	211
5:00 PM - 6:00 PM	89	0	89	167	4	171	4	0	4	260	4	264
6:00 PM - 7:00 PM	51	0	51	83	1	84	6	0	6	140	1	141
PASSENGER	316 98.8%			671 97.7%			57 100.0%			1044 98.1%		
TRUCK	4 1.3%			16 2.3%			0 0.0%			20 1.9%		
BOTH	320 30.1%			687 64.6%			57 5.4%			1064 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	7	1	8	2	0	2	10	1	11
7:00 AM - 8:00 AM	9	0	9	4	0	4	3	1	4	16	1	17
8:00 AM - 9:00 AM	6	0	6	20	2	22	9	0	9	35	2	37
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	0	6	24	0	24	9	1	10	39	1	40
4:00 PM - 5:00 PM	10	0	10	45	1	46	12	0	12	67	1	68
5:00 PM - 6:00 PM	15	0	15	65	1	66	10	0	10	90	1	91
6:00 PM - 7:00 PM	4	0	4	27	0	27	12	0	12	43	0	43
PASSENGER	51 100.0%			192 97.5%			57 96.6%			300 97.7%		
TRUCK	0 0.0%			5 2.5%			2 3.4%			7 2.3%		
BOTH	51 16.6%			197 64.2%			59 19.2%			307 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	25	0	25	23	0	23	50	0	50
7:00 AM - 8:00 AM	7	1	8	36	2	38	58	0	58	101	3	104
8:00 AM - 9:00 AM	9	2	11	30	0	30	33	1	34	72	3	75
PM TIME PERIOD												
3:00 PM - 4:00 PM	5	1	6	7	1	8	11	3	14	23	5	28
4:00 PM - 5:00 PM	5	3	8	28	2	30	51	1	52	84	6	90
5:00 PM - 6:00 PM	15	1	16	40	0	40	81	1	82	136	2	138
6:00 PM - 7:00 PM	2	0	2	15	0	15	31	0	31	48	0	48
PASSENGER	45 84.9%			181 97.3%			288 98.0%			514 96.4%		
TRUCK	8 15.1%			5 2.7%			6 2.0%			19 3.6%		
BOTH	53 9.9%			186 34.9%			294 55.2%			533 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Summer Road & 166th Street (#47)  
5/31/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	34	1	1	36					37	7	3	47
SOUTHBOUND	1	0	5	6					5	22	19	46
EASTBOUND	27	29	11	67					32	110	47	189
WESTBOUND	3	85	4	92					2	93	10	105

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.64	0.90			0.84	0.95
SOUTHBOUND	0.50				0.77	
EASTBOUND	0.76				0.95	
WESTBOUND	0.77				0.82	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	2.9%	0.0%	0.0%	2.8%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	4.5%	0.0%	2.2%
EASTBOUND	0.0%	3.4%	0.0%	1.5%					0.0%	1.8%	0.0%	1.1%
WESTBOUND	0.0%	7.1%	0.0%	6.5%					0.0%	1.1%	0.0%	1.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	15	1	16	27	35	62	78
7:00 AM	TO	8:00 AM	35	5	40	58	89	147	187
8:00 AM	TO	9:00 AM	32	10	42	73	75	148	190
3:00 PM	TO	4:00 PM	21	18	39	70	43	113	152
4:00 PM	TO	5:00 PM	51	50	101	176	75	251	352
5:00 PM	TO	6:00 PM	49	30	79	180	104	284	363
6:00 PM	TO	7:00 PM	33	19	52	71	44	115	167
TOTAL VOLUME			236	133	369	655		1120	1489
PERCENTAGE			15.8%	8.9%	24.8%	44.0%		75.2%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Summer Road & 166th Street (#47)  
5/31/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	10	1	11	2	0	2	2	0	2	14	1	15
7:00 AM - 8:00 AM	30	1	31	3	0	3	1	0	1	34	1	35
8:00 AM - 9:00 AM	26	0	26	4	0	4	1	1	2	31	1	32
PM TIME PERIOD												
3:00 PM - 4:00 PM	18	0	18	2	0	2	1	0	1	21	0	21
4:00 PM - 5:00 PM	39	0	39	8	0	8	4	0	4	51	0	51
5:00 PM - 6:00 PM	38	0	38	8	0	8	3	0	3	49	0	49
6:00 PM - 7:00 PM	27	0	27	4	0	4	2	0	2	33	0	33
PASSENGER	188 98.9%			31 100.0%			14 93.3%			233 98.7%		
TRUCK	2 1.1%			0 0.0%			1 6.7%			3 1.3%		
BOTH	190 80.5%			31 13.1%			15 6.4%			236 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	1	0	1	1	0	1
7:00 AM - 8:00 AM	1	0	1	0	0	0	4	0	4	5	0	5
8:00 AM - 9:00 AM	1	0	1	3	0	3	6	0	6	10	0	10
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	0	6	1	0	1	11	0	11	18	0	18
4:00 PM - 5:00 PM	6	0	6	18	1	19	25	0	25	49	1	50
5:00 PM - 6:00 PM	7	0	7	14	0	14	9	0	9	30	0	30
6:00 PM - 7:00 PM	3	0	3	4	0	4	12	0	12	19	0	19
PASSENGER	24 100.0%			40 97.6%			68 100.0%			132 99.2%		
TRUCK	0 0.0%			1 2.4%			0 0.0%			1 0.8%		
BOTH	24 18.0%			41 30.8%			68 51.1%			133 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	9	0	9	15	0	15	3	0	3	27	0	27
7:00 AM - 8:00 AM	25	0	25	22	0	22	11	0	11	58	0	58
8:00 AM - 9:00 AM	14	0	14	40	7	47	12	0	12	66	7	73
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	0	6	44	3	47	17	0	17	67	3	70
4:00 PM - 5:00 PM	30	1	31	97	2	99	45	1	46	172	4	176
5:00 PM - 6:00 PM	18	0	18	105	0	105	57	0	57	180	0	180
6:00 PM - 7:00 PM	1	0	1	49	0	49	21	0	21	71	0	71
PASSENGER	103 99.0%			372 96.9%			166 99.4%			641 97.9%		
TRUCK	1 1.0%			12 3.1%			1 0.6%			14 2.1%		
BOTH	104 15.9%			384 58.6%			167 25.5%			655 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	31	0	31	3	0	3	35	0	35
7:00 AM - 8:00 AM	4	0	4	74	5	79	6	0	6	84	5	89
8:00 AM - 9:00 AM	1	0	1	64	5	69	5	0	5	70	5	75
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	39	1	40	2	0	2	42	1	43
4:00 PM - 5:00 PM	1	0	1	66	1	67	7	0	7	74	1	75
5:00 PM - 6:00 PM	3	0	3	90	0	90	11	0	11	104	0	104
6:00 PM - 7:00 PM	0	0	0	43	0	43	1	0	1	44	0	44
PASSENGER	11 100.0%			407 97.1%			35 100.0%			453 97.4%		
TRUCK	0 0.0%			12 2.9%			0 0.0%			12 2.6%		
BOTH	11 2.4%			419 90.1%			35 7.5%			465 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Boden Road & 166th Street (#48)  
 6/3/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	8	57	0	65					45	131	1
SOUTHBOUND	1	139	34	174					4	96	22	122
EASTBOUND	12	7	37	56					25	42	36	103
WESTBOUND	0	17	2	19					1	29	0	30

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.81	0.87			0.89
SOUTHBOUND	0.75				0.82	
EASTBOUND	0.82				0.74	
WESTBOUND	0.59				0.68	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	12.3%	0.0%	10.8%					0.0%	3.1%	0.0%
SOUTHBOUND	0.0%	10.8%	8.8%	10.3%					0.0%	0.0%	4.5%	0.8%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					4.0%	0.0%	0.0%	1.0%
WESTBOUND	0.0%	11.8%	0.0%	10.5%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	31	85	116	49	6	55	171
7:00 AM	TO	8:00 AM	65	174	239	56	19	75	314
8:00 AM	TO	9:00 AM	56	94	150	67	21	88	238
3:00 PM	TO	4:00 PM	66	53	119	33	8	41	160
4:00 PM	TO	5:00 PM	160	94	254	88	26	114	368
5:00 PM	TO	6:00 PM	177	122	299	103	30	133	432
6:00 PM	TO	7:00 PM	70	37	107	45	11	56	163
TOTAL VOLUME			625	659	1284	441		562	1846
PERCENTAGE			33.9%	35.7%	69.6%	23.9%		30.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Boden Road & 166th Street (#48)  
6/3/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	23	6	29	0	0	0	25	6	31
7:00 AM - 8:00 AM	8	0	8	50	7	57	0	0	0	58	7	65
8:00 AM - 9:00 AM	12	2	14	34	7	41	1	0	1	47	9	56
PM TIME PERIOD												
3:00 PM - 4:00 PM	15	0	15	47	3	50	1	0	1	63	3	66
4:00 PM - 5:00 PM	36	0	36	119	4	123	1	0	1	156	4	160
5:00 PM - 6:00 PM	45	0	45	127	4	131	1	0	1	173	4	177
6:00 PM - 7:00 PM	20	0	20	49	0	49	1	0	1	70	0	70
PASSENGER	138 98.6%			449 93.5%			5 100.0%			592 94.7%		
TRUCK	2 1.4%			31 6.5%			0 0.0%			33 5.3%		
BOTH	140 22.4%			480 76.8%			5 0.8%			625 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	69	4	73	10	0	10	81	4	85
7:00 AM - 8:00 AM	1	0	1	124	15	139	31	3	34	156	18	174
8:00 AM - 9:00 AM	0	0	0	63	14	77	14	3	17	77	17	94
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	42	4	46	7	0	7	49	4	53
4:00 PM - 5:00 PM	0	0	0	75	3	78	16	0	16	91	3	94
5:00 PM - 6:00 PM	4	0	4	96	0	96	21	1	22	121	1	122
6:00 PM - 7:00 PM	1	0	1	33	0	33	3	0	3	37	0	37
PASSENGER	8 100.0%			502 92.6%			102 93.6%			612 92.9%		
TRUCK	0 0.0%			40 7.4%			7 6.4%			47 7.1%		
BOTH	8 1.2%			542 82.2%			109 16.5%			659 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	8	0	8	38	0	38	49	0	49
7:00 AM - 8:00 AM	12	0	12	7	0	7	37	0	37	56	0	56
8:00 AM - 9:00 AM	10	5	15	16	4	20	32	0	32	58	9	67
PM TIME PERIOD												
3:00 PM - 4:00 PM	5	0	5	10	0	10	18	0	18	33	0	33
4:00 PM - 5:00 PM	10	1	11	36	1	37	38	2	40	84	4	88
5:00 PM - 6:00 PM	24	1	25	42	0	42	36	0	36	102	1	103
6:00 PM - 7:00 PM	5	0	5	23	1	24	16	0	16	44	1	45
PASSENGER	69 90.8%			142 95.9%			215 99.1%			426 96.6%		
TRUCK	7 9.2%			6 4.1%			2 0.9%			15 3.4%		
BOTH	76 17.2%			148 33.6%			217 49.2%			441 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	5	0	5	1	0	1	6	0	6
7:00 AM - 8:00 AM	0	0	0	15	2	17	2	0	2	17	2	19
8:00 AM - 9:00 AM	1	1	2	18	0	18	1	0	1	20	1	21
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	7	1	8	0	0	0	7	1	8
4:00 PM - 5:00 PM	0	0	0	24	2	26	0	0	0	24	2	26
5:00 PM - 6:00 PM	1	0	1	29	0	29	0	0	0	30	0	30
6:00 PM - 7:00 PM	0	0	0	11	0	11	0	0	0	11	0	11
PASSENGER	2 66.7%			109 95.6%			4 100.0%			115 95.0%		
TRUCK	1 33.3%			5 4.4%			0 0.0%			6 5.0%		
BOTH	3 2.5%			114 94.2%			4 3.3%			121 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 166th St & Olio Rd (#49)  
 9/17/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	61	1	62					9	83	7	99
SOUTHBOUND	0	105	2	107					1	53	0	54
EASTBOUND	0	0	5	5					0	4	6	10
WESTBOUND	14	1	1	16					9	0	0	9

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.91	0.73			0.83	0.81
SOUTHBOUND	0.64				0.75	
EASTBOUND	0.63				0.42	
WESTBOUND	0.80				0.56	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	3.3%	100.0%	4.8%					0.0%	3.6%	0.0%	3.0%
SOUTHBOUND	0.0%	4.8%	100.0%	6.5%					0.0%	3.8%	0.0%	3.7%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	27	56	83	3	8	11	94
7:00 AM	TO	8:00 AM	60	93	153	6	14	20	173
8:00 AM	TO	9:00 AM	43	52	95	4	12	16	111
3:00 PM	TO	4:00 PM	25	26	51	0	7	7	58
4:00 PM	TO	5:00 PM	94	58	152	5	8	13	165
5:00 PM	TO	6:00 PM	96	54	150	9	10	19	169
6:00 PM	TO	7:00 PM	51	24	75	3	3	6	81
TOTAL VOLUME			396	363	759	30	62	92	851
PERCENTAGE			46.5%	42.7%	89.2%	3.5%	7.3%	10.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
166th St & Olio Rd (#49)  
9/17/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	22	2	24	2	1	3	24	3	27
7:00 AM - 8:00 AM	2	0	2	56	0	56	1	1	2	59	1	60
8:00 AM - 9:00 AM	0	0	0	33	6	39	1	3	4	34	9	43
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	19	2	21	3	0	3	23	2	25
4:00 PM - 5:00 PM	6	0	6	71	5	76	12	0	12	89	5	94
5:00 PM - 6:00 PM	5	0	5	86	2	88	3	0	3	94	2	96
6:00 PM - 7:00 PM	3	0	3	42	3	45	3	0	3	48	3	51
PASSENGER	17 100.0%			329 94.3%			25 83.3%			371 93.7%		
TRUCK	0 0.0%			20 5.7%			5 16.7%			25 6.3%		
BOTH	17 4.3%			349 88.1%			30 7.6%			396 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	52	3	55	0	1	1	52	4	56
7:00 AM - 8:00 AM	0	0	0	89	3	92	0	1	1	89	4	93
8:00 AM - 9:00 AM	0	1	1	48	3	51	0	0	0	48	4	52
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	24	1	25	1	0	1	25	1	26
4:00 PM - 5:00 PM	2	0	2	53	2	55	1	0	1	56	2	58
5:00 PM - 6:00 PM	1	0	1	51	2	53	0	0	0	52	2	54
6:00 PM - 7:00 PM	0	0	0	24	0	24	0	0	0	24	0	24
PASSENGER	3 75.0%			341 96.1%			2 50.0%			346 95.3%		
TRUCK	1 25.0%			14 3.9%			2 50.0%			17 4.7%		
BOTH	4 1.1%			355 97.8%			4 1.1%			363 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	3	0	3	3	0	3
7:00 AM - 8:00 AM	0	0	0	1	0	1	5	0	5	6	0	6
8:00 AM - 9:00 AM	0	0	0	1	2	3	1	0	1	2	2	4
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	1	0	1	4	0	4	5	0	5
5:00 PM - 6:00 PM	0	0	0	5	0	5	4	0	4	9	0	9
6:00 PM - 7:00 PM	1	0	1	1	0	1	1	0	1	3	0	3
PASSENGER	1 100.0%			9 81.8%			18 100.0%			28 93.3%		
TRUCK	0 0.0%			2 18.2%			0 0.0%			2 6.7%		
BOTH	1 3.3%			11 36.7%			18 60.0%			30 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	7	0	7	0	0	0	1	0	1	8	0	8
7:00 AM - 8:00 AM	13	0	13	1	0	1	0	0	0	14	0	14
8:00 AM - 9:00 AM	9	1	10	1	0	1	1	0	1	11	1	12
PM TIME PERIOD												
3:00 PM - 4:00 PM	5	2	7	0	0	0	0	0	0	5	2	7
4:00 PM - 5:00 PM	5	0	5	1	0	1	2	0	2	8	0	8
5:00 PM - 6:00 PM	9	0	9	0	0	0	1	0	1	10	0	10
6:00 PM - 7:00 PM	2	1	3	0	0	0	0	0	0	2	1	3
PASSENGER	50 92.6%			3 100.0%			5 100.0%			58 93.5%		
TRUCK	4 7.4%			0 0.0%			0 0.0%			4 6.5%		
BOTH	54 87.1%			3 4.8%			5 8.1%			62 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
169th St & Gray Rd (#50)  
9/6/2012  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	4	64	6	74					16	296	27	339
SOUTHBOUND	7	339	9	355					10	116	12	138
EASTBOUND	5	27	7	39					4	25	5	34
WESTBOUND	22	36	5	63					7	32	17	56

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.77	0.85			0.88	0.93
SOUTHBOUND	0.81				0.91	
EASTBOUND	0.75				0.71	
WESTBOUND	0.75				0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	25.0%	3.1%	0.0%	4.1%					6.3%	1.0%	0.0%	1.2%
SOUTHBOUND	0.0%	0.9%	0.0%	0.8%					0.0%	0.9%	0.0%	0.7%
EASTBOUND	0.0%	3.7%	14.3%	5.1%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	20	93	113	13	21	34	147
7:00 AM	TO	8:00 AM	74	355	429	39	63	102	531
8:00 AM	TO	9:00 AM	37	127	164	19	33	52	216
2:00 PM	TO	3:00 PM	132	103	235	21	30	51	286
3:00 PM	TO	4:00 PM	162	110	272	35	32	67	339
4:00 PM	TO	5:00 PM	234	108	342	48	39	87	429
5:00 PM	TO	6:00 PM	339	138	477	34	56	90	567
TOTAL VOLUME			998	1034	2032	209	274	483	2515
PERCENTAGE			39.7%	41.1%	80.8%	8.3%	10.9%	19.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
169th St & Gray Rd (#50)  
9/6/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	16	0	16	3	0	3	20	0	20
7:00 AM - 8:00 AM	3	1	4	62	2	64	6	0	6	71	3	74
8:00 AM - 9:00 AM	3	1	4	28	0	28	4	1	5	35	2	37
PM TIME PERIOD												
2:00 PM - 3:00 PM	7	1	8	110	2	112	12	0	12	129	3	132
3:00 PM - 4:00 PM	8	1	9	137	6	143	8	2	10	153	9	162
4:00 PM - 5:00 PM	13	0	13	200	2	202	19	0	19	232	2	234
5:00 PM - 6:00 PM	15	1	16	293	3	296	27	0	27	335	4	339
PASSENGER	50 90.9%			846 98.3%			79 96.3%			975 97.7%		
TRUCK	5 9.1%			15 1.7%			3 3.7%			23 2.3%		
BOTH	55 5.5%			861 86.3%			82 8.2%			998 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	88	1	89	2	0	2	92	1	93
7:00 AM - 8:00 AM	7	0	7	336	3	339	9	0	9	352	3	355
8:00 AM - 9:00 AM	4	0	4	112	4	116	7	0	7	123	4	127
PM TIME PERIOD												
2:00 PM - 3:00 PM	7	0	7	87	3	90	5	1	6	99	4	103
3:00 PM - 4:00 PM	7	1	8	97	1	98	3	1	4	107	3	110
4:00 PM - 5:00 PM	5	0	5	95	5	100	3	0	3	103	5	108
5:00 PM - 6:00 PM	10	0	10	115	1	116	12	0	12	137	1	138
PASSENGER	42 97.7%			930 98.1%			41 95.3%			1013 98.0%		
TRUCK	1 2.3%			18 1.9%			2 4.7%			21 2.0%		
BOTH	43 4.2%			948 91.7%			43 4.2%			1034 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	7	0	7	4	0	4	13	0	13
7:00 AM - 8:00 AM	5	0	5	26	1	27	6	1	7	37	2	39
8:00 AM - 9:00 AM	2	1	3	11	1	12	3	1	4	16	3	19
PM TIME PERIOD												
2:00 PM - 3:00 PM	4	0	4	14	0	14	2	1	3	20	1	21
3:00 PM - 4:00 PM	4	0	4	24	0	24	6	1	7	34	1	35
4:00 PM - 5:00 PM	7	0	7	34	0	34	7	0	7	48	0	48
5:00 PM - 6:00 PM	4	0	4	25	0	25	5	0	5	34	0	34
PASSENGER	28 96.6%			141 98.6%			33 89.2%			202 96.7%		
TRUCK	1 3.4%			2 1.4%			4 10.8%			7 3.3%		
BOTH	29 13.9%			143 68.4%			37 17.7%			209 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	10	0	10	9	0	9	2	0	2	21	0	21
7:00 AM - 8:00 AM	22	0	22	36	0	36	5	0	5	63	0	63
8:00 AM - 9:00 AM	11	0	11	17	0	17	5	0	5	33	0	33
PM TIME PERIOD												
2:00 PM - 3:00 PM	9	0	9	14	0	14	7	0	7	30	0	30
3:00 PM - 4:00 PM	5	0	5	17	0	17	10	0	10	32	0	32
4:00 PM - 5:00 PM	7	0	7	25	0	25	7	0	7	39	0	39
5:00 PM - 6:00 PM	7	0	7	32	0	32	17	0	17	56	0	56
PASSENGER	71 100.0%			150 100.0%			53 100.0%			274 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	71 25.9%			150 54.7%			53 19.3%			274 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
169th St & Hazel Dell Rd (#51)  
9/11/2012  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	28	304	2	<b>334</b>					53	1001	17
SOUTHBOUND	1	879	3	<b>883</b>					6	492	12	<b>510</b>
EASTBOUND	12	6	32	<b>50</b>					17	9	18	<b>44</b>
WESTBOUND	34	12	6	<b>52</b>					8	7	5	<b>20</b>

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.92					0.91
SOUTHBOUND	0.90	<b>0.92</b>				0.84	<b>0.93</b>
EASTBOUND	0.78					0.73	
WESTBOUND	0.87					0.42	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	3.6%	4.3%	0.0%	4.2%					1.9%	0.5%	0.0%
SOUTHBOUND	0.0%	0.5%	0.0%	0.5%					0.0%	0.4%	0.0%	0.4%
EASTBOUND	8.3%	0.0%	0.0%	2.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	98	340	438	21	22	43	481
7:00 AM	TO	8:00 AM	334	883	1217	50	52	102	1319
8:00 AM	TO	9:00 AM	128	398	526	24	18	42	568
2:00 PM	TO	3:00 PM	336	269	605	35	17	52	657
3:00 PM	TO	4:00 PM	491	359	850	37	22	59	909
4:00 PM	TO	5:00 PM	721	421	1142	48	22	70	1212
5:00 PM	TO	6:00 PM	1071	510	1581	44	20	64	1645
TOTAL VOLUME			3179	3180	6359	259	173	432	6791
PERCENTAGE			46.8%	46.8%	93.6%	3.8%	2.5%	6.4%	100.0%



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
169th St & Hazel Dell Rd (#51)  
9/11/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	0	2	93	1	94	2	0	2	97	1	98
7:00 AM - 8:00 AM	27	1	28	291	13	304	2	0	2	320	14	334
8:00 AM - 9:00 AM	7	0	7	116	4	120	1	0	1	124	4	128
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	14	0	14	306	8	314	8	0	8	328	8	336
3:00 PM - 4:00 PM	17	1	18	446	12	458	14	1	15	477	14	491
4:00 PM - 5:00 PM	30	0	30	650	9	659	32	0	32	712	9	721
5:00 PM - 6:00 PM	52	1	53	996	5	1001	17	0	17	1065	6	1071
<b>PASSENGER</b>	149 98.0%			2898 98.2%			76 98.7%			3123 98.2%		
<b>TRUCK</b>	3 2.0%			52 1.8%			1 1.3%			56 1.8%		
<b>BOTH</b>	152 4.8%			2950 92.8%			77 2.4%			3179 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	337	2	339	1	0	1	338	2	340
7:00 AM - 8:00 AM	1	0	1	875	4	879	3	0	3	879	4	883
8:00 AM - 9:00 AM	0	1	1	383	11	394	2	1	3	385	13	398
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	5	0	5	250	11	261	3	0	3	258	11	269
3:00 PM - 4:00 PM	9	0	9	326	12	338	11	1	12	346	13	359
4:00 PM - 5:00 PM	2	0	2	397	11	408	11	0	11	410	11	421
5:00 PM - 6:00 PM	6	0	6	490	2	492	12	0	12	508	2	510
<b>PASSENGER</b>	23 95.8%			3058 98.3%			43 95.6%			3124 98.2%		
<b>TRUCK</b>	1 4.2%			53 1.7%			2 4.4%			56 1.8%		
<b>BOTH</b>	24 0.8%			3111 97.8%			45 1.4%			3180 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	5	0	5	3	0	3	13	0	13	21	0	21
7:00 AM - 8:00 AM	11	1	12	6	0	6	32	0	32	49	1	50
8:00 AM - 9:00 AM	4	1	5	2	0	2	16	1	17	22	2	24
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	9	0	9	7	1	8	16	2	18	32	3	35
3:00 PM - 4:00 PM	6	1	7	5	0	5	22	3	25	33	4	37
4:00 PM - 5:00 PM	13	0	13	10	0	10	25	0	25	48	0	48
5:00 PM - 6:00 PM	17	0	17	9	0	9	18	0	18	44	0	44
<b>PASSENGER</b>	65 95.6%			42 97.7%			142 95.9%			249 96.1%		
<b>TRUCK</b>	3 4.4%			1 2.3%			6 4.1%			10 3.9%		
<b>BOTH</b>	68 26.3%			43 16.6%			148 57.1%			259 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	11	0	11	5	0	5	6	0	6	22	0	22
7:00 AM - 8:00 AM	34	0	34	12	0	12	6	0	6	52	0	52
8:00 AM - 9:00 AM	8	1	9	4	0	4	3	2	5	15	3	18
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	5	1	6	5	0	5	6	0	6	16	1	17
3:00 PM - 4:00 PM	10	0	10	8	0	8	4	0	4	22	0	22
4:00 PM - 5:00 PM	9	0	9	7	0	7	6	0	6	22	0	22
5:00 PM - 6:00 PM	8	0	8	7	0	7	5	0	5	20	0	20
<b>PASSENGER</b>	85 97.7%			48 100.0%			36 94.7%			169 97.7%		
<b>TRUCK</b>	2 2.3%			0 0.0%			2 5.3%			4 2.3%		
<b>BOTH</b>	87 50.3%			48 27.7%			38 22.0%			173 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 169th St & Mill Creek Rd (#52)  
 9/13/2012  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	3	14		17					1	41		42
SOUTHBOUND		92	35	127						31	29	60
EASTBOUND	13		2	15					35		2	37

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.85				0.66	
SOUTHBOUND	0.84	0.85			0.79	0.89
EASTBOUND	0.63				0.77	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	7.1%		5.9%					0.0%	2.4%		2.4%
SOUTHBOUND		2.2%	0.0%	1.6%						0.0%	6.9%	3.3%
EASTBOUND	7.7%		0.0%	6.7%					2.9%		0.0%	2.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	3	40	43	3		3	46
7:00 AM	TO	8:00 AM	17	127	144	15		15	159
8:00 AM	TO	9:00 AM	6	39	45	4		4	49
2:00 PM	TO	3:00 PM	19	37	56	22		22	78
3:00 PM	TO	4:00 PM	24	31	55	28		28	83
4:00 PM	TO	5:00 PM	39	37	76	27		27	103
5:00 PM	TO	6:00 PM	48	61	109	30		30	139
TOTAL VOLUME			156	372	528	129		129	657
PERCENTAGE			23.7%	56.6%	80.4%	19.6%		19.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
169th St & Mill Creek Rd (#52)  
9/13/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	3	0	3				3	0	3
7:00 AM - 8:00 AM	3	0	3	13	1	14				16	1	17
8:00 AM - 9:00 AM	2	0	2	3	1	4				5	1	6
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	2	0	2	16	1	17				18	1	19
3:00 PM - 4:00 PM	3	0	3	18	3	21				21	3	24
4:00 PM - 5:00 PM	5	0	5	32	2	34				37	2	39
5:00 PM - 6:00 PM	1	0	1	46	1	47				47	1	48
PASSENGER	16 100.0%			131 93.6%						147 94.2%		
TRUCK	0 0.0%			9 6.4%						9 5.8%		
BOTH	16 10.3%			140 89.7%						156 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				25	1	26	14	0	14	39	1	40
7:00 AM - 8:00 AM				90	2	92	35	0	35	125	2	127
8:00 AM - 9:00 AM				19	3	22	13	4	17	32	7	39
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				12	3	15	18	4	22	30	7	37
3:00 PM - 4:00 PM				14	3	17	14	0	14	28	3	31
4:00 PM - 5:00 PM				20	0	20	17	0	17	37	0	37
5:00 PM - 6:00 PM				32	0	32	27	2	29	59	2	61
PASSENGER				212 94.6%			138 93.2%			350 94.1%		
TRUCK				12 5.4%			10 6.8%			22 5.9%		
BOTH				224 60.2%			148 39.8%			372 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	0	2				1	0	1	3	0	3
7:00 AM - 8:00 AM	12	1	13				2	0	2	14	1	15
8:00 AM - 9:00 AM	3	0	3				1	0	1	4	0	4
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	19	1	20				2	0	2	21	1	22
3:00 PM - 4:00 PM	24	1	25				2	1	3	26	2	28
4:00 PM - 5:00 PM	26	0	26				1	0	1	27	0	27
5:00 PM - 6:00 PM	26	1	27				3	0	3	29	1	30
PASSENGER	112 96.6%						12 92.3%			124 96.1%		
TRUCK	4 3.4%						1 7.7%			5 3.9%		
BOTH	116 89.9%						13 10.1%			129 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd. & 169th St. (#53)  
6/20/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0	15	0	15					0	22	2
SOUTHBOUND	0	21	0	21					0	16	0	16
EASTBOUND	0	0	0	0					0	0	0	0
WESTBOUND	0	0	0	0					0	0	0	0

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.47					0.67
SOUTHBOUND	0.66					0.67	
EASTBOUND	#DIV/0!	0.90				#DIV/0!	0.77
WESTBOUND	#DIV/0!					#DIV/0!	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	6.7%	0.0%	6.7%					0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY										
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL	
6:00 AM	TO	7:00 AM	7	15	22	0	0	0	22	
7:00 AM	TO	8:00 AM	13	17	30	0	1	1	31	
8:00 AM	TO	9:00 AM	5	9	14	0	1	1	15	
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0	
3:00 PM	TO	4:00 PM	10	5	15	0	0	0	15	
4:00 PM	TO	5:00 PM	9	6	15	0	0	0	15	
5:00 PM	TO	6:00 PM	24	16	40	0	0	0	40	
6:00 PM	TO	7:00 PM	6	2	8	0	0	0	8	
TOTAL VOLUME			74	70	144	0	2	2	146	
PERCENTAGE			50.7%	47.9%	98.6%	0.0%	1.4%	1.4%	100.0%	

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd. & 169th St. (#53)  
6/20/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	6	1	7	0	0	0	6	1	7
7:00 AM - 8:00 AM	0	0	0	13	0	13	0	0	0	13	0	13
8:00 AM - 9:00 AM	0	0	0	5	0	5	0	0	0	5	0	5
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	10	0	10	0	0	0	10	0	10
4:00 PM - 5:00 PM	0	0	0	9	0	9	0	0	0	9	0	9
5:00 PM - 6:00 PM	0	0	0	22	0	22	2	0	2	24	0	24
6:00 PM - 7:00 PM	0	0	0	6	0	6	0	0	0	6	0	6
PASSENGER	0 #DIV/0!			71 98.6%			2 100.0%			73 98.6%		
TRUCK	0 #DIV/0!			1 1.4%			0 0.0%			1 1.4%		
BOTH	0 0.0%			72 97.3%			2 2.7%			74 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	15	0	15	0	0	0	15	0	15
7:00 AM - 8:00 AM	0	0	0	17	0	17	0	0	0	17	0	17
8:00 AM - 9:00 AM	1	0	1	8	0	8	0	0	0	9	0	9
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	5	0	5	0	0	0	5	0	5
4:00 PM - 5:00 PM	0	0	0	6	0	6	0	0	0	6	0	6
5:00 PM - 6:00 PM	0	0	0	16	0	16	0	0	0	16	0	16
6:00 PM - 7:00 PM	0	0	0	2	0	2	0	0	0	2	0	2
PASSENGER	1 100.0%			69 100.0%			0 #DIV/0!			70 100.0%		
TRUCK	0 0.0%			0 0.0%			0 #DIV/0!			0 0.0%		
BOTH	1 1.4%			69 98.6%			0 0.0%			70 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM - 6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	0 #DIV/0!			0 #DIV/0!			0 #DIV/0!			0 #DIV/0!		
TRUCK	0 #DIV/0!			0 #DIV/0!			0 #DIV/0!			0 #DIV/0!		
BOTH	0 #DIV/0!			0 #DIV/0!			0 #DIV/0!			0 #DIV/0!		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	1	0	1	0	0	0	0	0	0	1	0	1
8:00 AM - 9:00 AM	1	0	1	0	0	0	0	0	0	1	0	1
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM - 6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	2 100.0%			0 #DIV/0!			0 #DIV/0!			2 100.0%		
TRUCK	0 0.0%			0 #DIV/0!			0 #DIV/0!			0 0.0%		
BOTH	2 100.0%			0 0.0%			0 0.0%			2 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 169th St & Atlantic Rd (#54)  
 1/22/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 3:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	2	7	0	9					3	12	0
SOUTHBOUND		19		19						10	2	12
EASTBOUND	1		1	2					1		0	1

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.45	0.75			0.54
SOUTHBOUND	0.68				0.60	
EASTBOUND	0.50				0.25	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%		0.0%					0.0%	8.3%	
SOUTHBOUND		0.0%	0.0%	0.0%						0.0%	0.0%	0.0%
EASTBOUND	0.0%		0.0%	0.0%					100.0%		0.0%	100.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	7	10	17	1		1	18
7:00 AM	TO	8:00 AM	5	17	22	1		1	23
8:00 AM	TO	9:00 AM	3	6	9	2		2	11
3:00 PM	TO	4:00 PM	8	8	16	0		0	16
4:00 PM	TO	5:00 PM	15	11	26	1		1	27
5:00 PM	TO	6:00 PM	12	7	19	1		1	20
6:00 PM	TO	7:00 PM	2	1	3	0		0	3
TOTAL VOLUME			52	60	112	6		6	118
PERCENTAGE			44.1%	50.8%	94.9%	5.1%		5.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
169th St & Atlantic Rd (#54)  
1/22/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1	6	0	6				7	0	7
7:00 AM - 8:00 AM	1	0	1	3	1	4				4	1	5
8:00 AM - 9:00 AM	0	0	0	2	1	3				2	1	3
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	2	0	2	6	0	6				8	0	8
4:00 PM - 5:00 PM	1	0	1	13	1	14				14	1	15
5:00 PM - 6:00 PM	1	0	1	11	0	11				12	0	12
6:00 PM - 7:00 PM	0	0	0	2	0	2				2	0	2
<b>PASSENGER</b>	6 100.0%			43 93.5%						49 94.2%		
<b>TRUCK</b>	0 0.0%			3 6.5%						3 5.8%		
<b>BOTH</b>	6 11.5%			46 88.5%						52 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				10	0	10	0	0	0	10	0	10
7:00 AM - 8:00 AM				16	0	16	1	0	1	17	0	17
8:00 AM - 9:00 AM				6	0	6	0	0	0	6	0	6
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				7	0	7	1	0	1	8	0	8
4:00 PM - 5:00 PM				9	0	9	2	0	2	11	0	11
5:00 PM - 6:00 PM				7	0	7	0	0	0	7	0	7
6:00 PM - 7:00 PM				1	0	1	0	0	0	1	0	1
<b>PASSENGER</b>				56 100.0%			4 100.0%			60 100.0%		
<b>TRUCK</b>				0 0.0%			0 0.0%			0 0.0%		
<b>BOTH</b>				56 93.3%			4 6.7%			60 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1				0	0	0	1	0	1
7:00 AM - 8:00 AM	0	0	0				1	0	1	1	0	1
8:00 AM - 9:00 AM	0	1	1				1	0	1	1	1	2
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0				0	0	0	0	0	0
4:00 PM - 5:00 PM	0	1	1				0	0	0	0	1	1
5:00 PM - 6:00 PM	0	0	0				1	0	1	1	0	1
6:00 PM - 7:00 PM	0	0	0				0	0	0	0	0	0
<b>PASSENGER</b>	1 33.3%						3 100.0%			4 66.7%		
<b>TRUCK</b>	2 66.7%						0 0.0%			2 33.3%		
<b>BOTH</b>	3 50.0%						3 50.0%			6 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT : Nobelsville  
 INTERSECTION : Greenfield Ave & 10th Street & Christian Street (#55)  
 DATE : 4/30/2013  
 COUNTED BY : CP

TOTAL VEHICLES ( Passenger Cars + TRUCKS)												
AM Peak Hour Volumes							PM Peak Hour Volumes					
	Begins 7:30 AM						Begins 5:00 PM					
	L1	L2	T	R1	R2	TOTAL	L1	L2	T	R1	R2	TOTAL
Northbound	2	-	138	1	27	<b>168</b>	20	-	357	11	59	<b>447</b>
Southbound	1	69	208	13	-	<b>291</b>	1	106	180	3	-	<b>290</b>
Eastbound	8	-	2	181	11	<b>202</b>	26	-	4	216	19	<b>265</b>
Westbound	19	4	8	2	-	<b>31</b>	16	4	11	3	-	<b>31</b>
Northwest Bound	44	-	171	69	5	<b>289</b>	106	-	184	112	9	<b>411</b>

PEAK HOUR FACTOR	
Northbound	0.89
Southbound	
Eastbound	
Westbound	
Northwest Bound	
	0.86

TRUCK PERCENTAGE												
	L1	L2	T	R1	R2	TOTAL	L1	L2	T	R1	R2	TOTAL
Northbound	0.0%	-	5.8%	0.0%	0.0%	4.8%	0.0%	-	1.7%	0.0%	1.7%	1.6%
Southbound	0.0%	10.1%	2.9%	0.0%	-	4.5%	0.0%	0.9%	0.0%	0.0%	-	0.3%
Eastbound	0.0%	-	50.0%	4.4%	0.0%	4.5%	0.0%	-	0.0%	0.5%	5.3%	0.4%
Westbound	0.0%	0.0%	12.5%	0.0%	-	3.2%	0.0%	0.0%	0.0%	0.0%	-	0.0%
Northwest Bound	6.8%	-	1.8%	4.3%	0.0%	3.1%	0.0%	-	2.2%	0.0%	0.0%	1.0%

TRUCKS												
AM Peak Hour Volumes							PM Peak Hour Volumes					
	Begins 7:30 AM						Begins 5:00 PM					
	L1	L2	T	R1	R2	TOTAL	L1	L2	T	R1	R2	TOTAL
Northbound	0		8	0	0	<b>8</b>	0		6	0	1	<b>7</b>
Southbound	0	7	6	0		<b>13</b>	0	1	0	0		<b>1</b>
Eastbound	0		1	8	0	<b>9</b>	0		0	1	1	<b>1</b>
Westbound	0	0	1	0		<b>1</b>	0	0	0	0		<b>0</b>
Northwest Bound	3		3	3	0	<b>9</b>	0		4	0	0	<b>4</b>



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Greenfield Ave & 16th Street #56  
3/22/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	57		46	103					85		69
EASTBOUND	27	244		271					62	330		392
WESTBOUND		250	46	296						284	122	406

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	SOUTHBOUND	0.89					0.92
EASTBOUND	0.86	0.89				0.86	0.96
WESTBOUND	0.89					0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	1.8%		8.7%	4.9%					2.4%		2.9%
EASTBOUND	0.0%	3.7%		3.3%					0.0%	1.5%		1.3%
WESTBOUND		4.0%	4.3%	4.1%						0.7%	2.5%	1.2%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		43	43	118	74	192	235
7:00 AM	TO	8:00 AM		86	86	252	255	507	593
8:00 AM	TO	9:00 AM		52	52	131	164	295	347
2:00 PM	TO	3:00 PM		112	112	213	200	413	525
3:00 PM	TO	4:00 PM		129	129	300	311	611	740
4:00 PM	TO	5:00 PM		137	137	334	335	669	806
5:00 PM	TO	6:00 PM		154	154	392	406	798	952
TOTAL VOLUME				713	713	1740		3485	4198
PERCENTAGE				17.0%	17.0%	41.4%		83.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Greenfield Ave & 16th Street #56  
3/22/2013

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	29	0	29				14	0	14	43	0	43
7:00 AM - 8:00 AM	51	0	51				34	1	35	85	1	86
8:00 AM - 9:00 AM	27	1	28				21	3	24	48	4	52
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	52	2	54				56	2	58	108	4	112
3:00 PM - 4:00 PM	74	1	75				48	6	54	122	7	129
4:00 PM - 5:00 PM	71	1	72				62	3	65	133	4	137
5:00 PM - 6:00 PM	83	2	85				67	2	69	150	4	154
<b>PASSENGER</b>	387 98.2%						302 94.7%			689 96.6%		
<b>TRUCK</b>	7 1.8%						17 5.3%			24 3.4%		
<b>BOTH</b>	394 55.3%						319 44.7%			713 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	9	1	10	108	0	108				117	1	118
7:00 AM - 8:00 AM	26	0	26	218	8	226				244	8	252
8:00 AM - 9:00 AM	12	0	12	115	4	119				127	4	131
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	40	2	42	157	14	171				197	16	213
3:00 PM - 4:00 PM	48	5	53	231	16	247				279	21	300
4:00 PM - 5:00 PM	57	1	58	266	10	276				323	11	334
5:00 PM - 6:00 PM	62	0	62	325	5	330				387	5	392
<b>PASSENGER</b>	254 96.6%			1420 96.1%						1674 96.2%		
<b>TRUCK</b>	9 3.4%			57 3.9%						66 3.8%		
<b>BOTH</b>	263 15.1%			1477 84.9%						1740 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				67	2	69	5	0	5	72	2	74
7:00 AM - 8:00 AM				170	5	175	79	1	80	249	6	255
8:00 AM - 9:00 AM				137	6	143	19	2	21	156	8	164
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				148	11	159	39	2	41	187	13	200
3:00 PM - 4:00 PM				218	22	240	68	3	71	286	25	311
4:00 PM - 5:00 PM				236	11	247	85	3	88	321	14	335
5:00 PM - 6:00 PM				282	2	284	119	3	122	401	5	406
<b>PASSENGER</b>				1258 95.5%			414 96.7%			1672 95.8%		
<b>TRUCK</b>				59 4.5%			14 3.3%			73 4.2%		
<b>BOTH</b>				1317 75.5%			428 24.5%			1745 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 Greenfield Ave & Herriman Blvd (#57)  
 3/14/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	50		104	154					69		211
EASTBOUND		242	40	282						332	67	399
WESTBOUND	99	251		350					95	278		373

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.57				0.83
EASTBOUND	0.95	0.90			0.85	0.91
WESTBOUND	0.75				0.80	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	2.0%		3.8%	3.2%					0.0%		1.4%
EASTBOUND		3.7%	5.0%	4.3%						2.4%	0.0%	2.0%
WESTBOUND	1.0%	2.4%		2.0%					1.1%	0.7%		0.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	26		26	125	107	232	258
7:00 AM	TO	8:00 AM	182		182	269	317	586	768
8:00 AM	TO	9:00 AM	65		65	133	167	300	365
2:00 PM	TO	3:00 PM	113		113	226	271	497	610
3:00 PM	TO	4:00 PM	140		140	327	334	661	801
4:00 PM	TO	5:00 PM	234		234	356	369	725	959
5:00 PM	TO	6:00 PM	280		280	399	373	772	1052
TOTAL VOLUME			1040		1040	1835	1938	3773	4813
PERCENTAGE			21.6%		21.6%	38.1%	40.3%	78.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Greenfield Ave & Herriman Blvd (#57)  
3/14/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	5	0	5				21	0	21	26	0	26
7:00 AM - 8:00 AM	57	2	59				120	3	123	177	5	182
8:00 AM - 9:00 AM	17	4	21				40	4	44	57	8	65
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	45	0	45				65	3	68	110	3	113
3:00 PM - 4:00 PM	56	7	63				69	8	77	125	15	140
4:00 PM - 5:00 PM	61	0	61				169	4	173	230	4	234
5:00 PM - 6:00 PM	69	0	69				208	3	211	277	3	280
PASSENGER	310 96.0%						692 96.5%			1002 96.3%		
TRUCK	13 4.0%						25 3.5%			38 3.7%		
BOTH	323 31.1%						717 68.9%			1040 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				114	2	116	9	0	9	123	2	125
7:00 AM - 8:00 AM				226	7	233	35	1	36	261	8	269
8:00 AM - 9:00 AM				112	4	116	15	2	17	127	6	133
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				177	6	183	41	2	43	218	8	226
3:00 PM - 4:00 PM				251	16	267	55	5	60	306	21	327
4:00 PM - 5:00 PM				296	5	301	53	2	55	349	7	356
5:00 PM - 6:00 PM				324	8	332	67	0	67	391	8	399
PASSENGER				1500 96.9%			275 95.8%			1775 96.7%		
TRUCK				48 3.1%			12 4.2%			60 3.3%		
BOTH				1548 84.4%			287 15.6%			1835 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	34	2	36	70	1	71				104	3	107
7:00 AM - 8:00 AM	89	1	90	223	4	227				312	5	317
8:00 AM - 9:00 AM	44	0	44	116	7	123				160	7	167
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	68	3	71	192	8	200				260	11	271
3:00 PM - 4:00 PM	85	2	87	235	12	247				320	14	334
4:00 PM - 5:00 PM	75	3	78	284	7	291				359	10	369
5:00 PM - 6:00 PM	94	1	95	276	2	278				370	3	373
PASSENGER	489 97.6%			1396 97.1%						1885 97.3%		
TRUCK	12 2.4%			41 2.9%						53 2.7%		
BOTH	501 25.9%			1437 74.1%						1938 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 37 & Greenfield Ave (#58)  
9/11/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	99	663	60	<b>822</b>					177	1489	200
SOUTHBOUND	164	1247	134	<b>1545</b>					228	944	116	<b>1288</b>
EASTBOUND	132	190	194	<b>516</b>					145	320	158	<b>623</b>
WESTBOUND	242	254	202	<b>698</b>					115	223	370	<b>708</b>

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.87	<b>0.97</b>			0.95
SOUTHBOUND	0.95				0.95	
EASTBOUND	0.91				0.92	
WESTBOUND	0.93				0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	2.0%	5.1%	3.3%	4.6%					0.6%	1.6%	0.5%
SOUTHBOUND	5.5%	3.0%	1.5%	3.1%					0.0%	2.3%	1.7%	1.9%
EASTBOUND	1.5%	2.1%	0.0%	1.2%					0.0%	0.9%	0.6%	0.6%
WESTBOUND	1.2%	0.4%	5.0%	2.0%					1.7%	1.3%	0.8%	1.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	435	1318	1753	316	352	668	2421
7:00 AM	TO	8:00 AM	822	1545	2367	516	698	1214	3581
8:00 AM	TO	9:00 AM	829	1253	2082	378	598	976	3058
3:00 PM	TO	4:00 PM	770	639	1409	219	288	507	1916
4:00 PM	TO	5:00 PM	1744	1270	3014	546	611	1157	4171
5:00 PM	TO	6:00 PM	1841	1291	3132	623	698	1321	4453
6:00 PM	TO	7:00 PM	804	579	1383	285	328	613	1996
TOTAL VOLUME			7245	7895	15140	2883	3573	6456	21596
PERCENTAGE			33.5%	36.6%	70.1%	13.3%	16.5%	29.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 37 & Greenfield Ave (#58)  
9/11/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	47	2	49	325	36	361	25	0	25	397	38	435
7:00 AM - 8:00 AM	97	2	99	629	34	663	58	2	60	784	38	822
8:00 AM - 9:00 AM	113	2	115	592	45	637	72	5	77	777	52	829
PM TIME PERIOD												
3:00 PM - 4:00 PM	70	0	70	616	18	634	66	0	66	752	18	770
4:00 PM - 5:00 PM	161	3	164	1393	29	1422	157	1	158	1711	33	1744
5:00 PM - 6:00 PM	178	2	180	1437	22	1459	202	0	202	1817	24	1841
6:00 PM - 7:00 PM	75	2	77	646	6	652	74	1	75	795	9	804
PASSENGER	741 98.3%			5638 96.7%			654 98.6%			7033 97.1%		
TRUCK	13 1.7%			190 3.3%			9 1.4%			212 2.9%		
BOTH	754 10.4%			5828 80.4%			663 9.2%			7245 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	79	4	83	1088	34	1122	111	2	113	1278	40	1318
7:00 AM - 8:00 AM	155	9	164	1210	37	1247	132	2	134	1497	48	1545
8:00 AM - 9:00 AM	133	9	142	954	28	982	127	2	129	1214	39	1253
PM TIME PERIOD												
3:00 PM - 4:00 PM	91	2	93	469	17	486	58	2	60	618	21	639
4:00 PM - 5:00 PM	195	4	199	924	33	957	112	2	114	1231	39	1270
5:00 PM - 6:00 PM	216	0	216	923	24	947	126	2	128	1265	26	1291
6:00 PM - 7:00 PM	124	3	127	385	9	394	57	1	58	566	13	579
PASSENGER	993 97.0%			5953 97.0%			723 98.2%			7669 97.1%		
TRUCK	31 3.0%			182 3.0%			13 1.8%			226 2.9%		
BOTH	1024 13.0%			6135 77.7%			736 9.3%			7895 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	31	0	31	102	2	104	181	0	181	314	2	316
7:00 AM - 8:00 AM	130	2	132	186	4	190	194	0	194	510	6	516
8:00 AM - 9:00 AM	54	2	56	170	11	181	139	2	141	363	15	378
PM TIME PERIOD												
3:00 PM - 4:00 PM	48	3	51	109	5	114	51	3	54	208	11	219
4:00 PM - 5:00 PM	160	2	162	239	9	248	135	1	136	534	12	546
5:00 PM - 6:00 PM	148	0	148	305	6	311	162	2	164	615	8	623
6:00 PM - 7:00 PM	97	1	98	117	1	118	69	0	69	283	2	285
PASSENGER	668 98.5%			1228 97.0%			931 99.1%			2827 98.1%		
TRUCK	10 1.5%			38 3.0%			8 0.9%			56 1.9%		
BOTH	678 23.5%			1266 43.9%			939 32.6%			2883 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	122	0	122	132	2	134	95	1	96	349	3	352
7:00 AM - 8:00 AM	239	3	242	253	1	254	192	10	202	684	14	698
8:00 AM - 9:00 AM	193	4	197	223	3	226	165	10	175	581	17	598
PM TIME PERIOD												
3:00 PM - 4:00 PM	55	2	57	97	3	100	123	8	131	275	13	288
4:00 PM - 5:00 PM	87	0	87	196	4	200	318	6	324	601	10	611
5:00 PM - 6:00 PM	112	3	115	210	3	213	367	3	370	689	9	698
6:00 PM - 7:00 PM	72	1	73	96	1	97	158	0	158	326	2	328
PASSENGER	880 98.5%			1207 98.6%			1418 97.4%			3505 98.1%		
TRUCK	13 1.5%			17 1.4%			38 2.6%			68 1.9%		
BOTH	893 25.0%			1224 34.3%			1456 40.8%			3573 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Cumberland Road & Greenfield Avenue (#59)  
9/5/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	145	27	18	190					295	100	73
SOUTHBOUND	9	30	51	90					43	44	39	126
EASTBOUND	16	251	193	460					59	470	193	722
WESTBOUND	39	495	13	547					47	362	41	450

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.97					0.86
SOUTHBOUND	0.68	0.87				0.72	0.96
EASTBOUND	0.86					0.97	
WESTBOUND	0.89					0.85	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.7%	0.0%	22.2%	2.6%					0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	5.9%	3.3%					0.0%	0.0%	2.6%	0.8%
EASTBOUND	6.3%	9.2%	2.6%	6.3%					0.0%	1.3%	1.0%	1.1%
WESTBOUND	0.0%	1.2%	0.0%	1.1%					0.0%	1.4%	0.0%	1.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	63	54	117	217	294	511	628
7:00 AM	TO	8:00 AM	182	92	274	412	586	998	1272
8:00 AM	TO	9:00 AM	189	89	278	419	479	898	1176
3:00 PM	TO	4:00 PM	173	53	226	263	169	432	658
4:00 PM	TO	5:00 PM	352	111	463	617	408	1025	1488
5:00 PM	TO	6:00 PM	468	126	594	722	450	1172	1766
6:00 PM	TO	7:00 PM	146	87	233	322	208	530	763
TOTAL VOLUME			1573	612	2185	2972	2594	5566	7751
PERCENTAGE			20.3%	7.9%	28.2%	38.3%	33.5%	71.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cumberland Road & Greenfield Avenue (#59)  
9/5/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	51	2	53	6	0	6	4	0	4	61	2	63
7:00 AM - 8:00 AM	145	0	145	23	0	23	10	4	14	178	4	182
8:00 AM - 9:00 AM	132	3	135	32	0	32	21	1	22	185	4	189
PM TIME PERIOD												
3:00 PM - 4:00 PM	108	1	109	47	0	47	17	0	17	172	1	173
4:00 PM - 5:00 PM	240	2	242	76	0	76	34	0	34	350	2	352
5:00 PM - 6:00 PM	295	0	295	100	0	100	73	0	73	468	0	468
6:00 PM - 7:00 PM	101	0	101	31	0	31	14	0	14	146	0	146
PASSENGER	1072 99.3%			315 100.0%			173 97.2%			1560 99.2%		
TRUCK	8 0.7%			0 0.0%			5 2.8%			13 0.8%		
BOTH	1080 68.7%			315 20.0%			178 11.3%			1573 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	1	5	12	1	13	36	0	36	52	2	54
7:00 AM - 8:00 AM	8	0	8	31	0	31	50	3	53	89	3	92
8:00 AM - 9:00 AM	8	0	8	28	1	29	49	3	52	85	4	89
PM TIME PERIOD												
3:00 PM - 4:00 PM	13	0	13	17	0	17	21	2	23	51	2	53
4:00 PM - 5:00 PM	33	0	33	47	0	47	31	0	31	111	0	111
5:00 PM - 6:00 PM	43	0	43	44	0	44	38	1	39	125	1	126
6:00 PM - 7:00 PM	31	0	31	33	0	33	23	0	23	87	0	87
PASSENGER	140 99.3%			212 99.1%			248 96.5%			600 98.0%		
TRUCK	1 0.7%			2 0.9%			9 3.5%			12 2.0%		
BOTH	141 23.0%			214 35.0%			257 42.0%			612 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	9	0	9	79	4	83	124	1	125	212	5	217
7:00 AM - 8:00 AM	12	1	13	224	15	239	156	4	160	392	20	412
8:00 AM - 9:00 AM	39	1	40	209	16	225	150	4	154	398	21	419
PM TIME PERIOD												
3:00 PM - 4:00 PM	24	0	24	168	4	172	63	4	67	255	8	263
4:00 PM - 5:00 PM	52	1	53	393	6	399	164	1	165	609	8	617
5:00 PM - 6:00 PM	59	0	59	464	6	470	191	2	193	714	8	722
6:00 PM - 7:00 PM	20	0	20	216	0	216	86	0	86	322	0	322
PASSENGER	215 98.6%			1753 97.2%			934 98.3%			2902 97.6%		
TRUCK	3 1.4%			51 2.8%			16 1.7%			70 2.4%		
BOTH	218 7.3%			1804 60.7%			950 32.0%			2972 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	19	1	20	265	3	268	6	0	6	290	4	294
7:00 AM - 8:00 AM	38	0	38	523	14	537	11	0	11	572	14	586
8:00 AM - 9:00 AM	53	0	53	391	14	405	20	1	21	464	15	479
PM TIME PERIOD												
3:00 PM - 4:00 PM	9	0	9	135	13	148	12	0	12	156	13	169
4:00 PM - 5:00 PM	34	2	36	332	5	337	34	1	35	400	8	408
5:00 PM - 6:00 PM	47	0	47	357	5	362	41	0	41	445	5	450
6:00 PM - 7:00 PM	20	0	20	156	7	163	25	0	25	201	7	208
PASSENGER	220 98.7%			2159 97.3%			149 98.7%			2528 97.5%		
TRUCK	3 1.3%			61 2.7%			2 1.3%			66 2.5%		
BOTH	223 8.6%			2220 85.6%			151 5.8%			2594 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Greenfield Ave & Howe Rd (#60)  
 9/26/2012  
 AJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	43		31	74					34		98
EASTBOUND		198	20	218					448		47	495
WESTBOUND	64	423		487					45	354		399

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.80				0.73
EASTBOUND	0.84	0.91			0.88	0.92
WESTBOUND	0.92				0.95	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	14.0%		3.2%	9.5%					0.0%		0.0%
EASTBOUND		3.0%	15.0%	4.1%						0.9%	4.3%	1.2%
WESTBOUND	3.1%	0.7%		1.0%					0.0%	2.8%		2.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	27		27	83	165	248	275
7:00 AM	TO	8:00 AM	74		74	218	487	705	779
8:00 AM	TO	9:00 AM	36		36	102	192	294	330
2:00 PM	TO	3:00 PM	67		67	308	270	578	645
3:00 PM	TO	4:00 PM	105		105	325	321	646	751
4:00 PM	TO	5:00 PM	105		105	456	391	847	952
5:00 PM	TO	6:00 PM	132		132	495	399	894	1026
TOTAL VOLUME			546		546	1987	2225	4212	4758
PERCENTAGE			11.5%		11.5%	41.8%	46.8%	88.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Greenfield Ave & Howe Rd (#60)  
9/26/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	13	0	13				14	0	14	27	0	27
7:00 AM - 8:00 AM	37	6	43				30	1	31	67	7	74
8:00 AM - 9:00 AM	10	1	11				24	1	25	34	2	36
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	30	2	32				34	1	35	64	3	67
3:00 PM - 4:00 PM	38	3	41				63	1	64	101	4	105
4:00 PM - 5:00 PM	27	0	27				77	1	78	104	1	105
5:00 PM - 6:00 PM	39	0	39				93	0	93	132	0	132
PASSENGER	194 94.2%						335 98.5%			529 96.9%		
TRUCK	12 5.8%						5 1.5%			17 3.1%		
BOTH	206 37.7%						340 62.3%			546 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				68	6	74	7	2	9	75	8	83
7:00 AM - 8:00 AM				192	6	198	17	3	20	209	9	218
8:00 AM - 9:00 AM				82	7	89	7	6	13	89	13	102
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				249	25	274	30	4	34	279	29	308
3:00 PM - 4:00 PM				276	13	289	35	1	36	311	14	325
4:00 PM - 5:00 PM				409	7	416	39	1	40	448	8	456
5:00 PM - 6:00 PM				450	3	453	41	1	42	491	4	495
PASSENGER				1726 96.3%			176 90.7%			1902 95.7%		
TRUCK				67 3.7%			18 9.3%			85 4.3%		
BOTH				1793 90.2%			194 9.8%			1987 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	36	2	38	125	2	127				161	4	165
7:00 AM - 8:00 AM	62	2	64	420	3	423				482	5	487
8:00 AM - 9:00 AM	22	0	22	165	5	170				187	5	192
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	23	2	25	231	14	245				254	16	270
3:00 PM - 4:00 PM	36	4	40	261	20	281				297	24	321
4:00 PM - 5:00 PM	45	2	47	332	12	344				377	14	391
5:00 PM - 6:00 PM	53	0	53	342	4	346				395	4	399
PASSENGER	277 95.8%			1876 96.9%						2153 96.8%		
TRUCK	12 4.2%			60 3.1%						72 3.2%		
BOTH	289 13.0%			1936 87.0%						2225 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville, IN  
Greenfield Ave & Union Chapel Rd (#61)  
8/27/2013  
RR

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	41	64	7	112					43	119	36
SOUTHBOUND	31	87	99	217					72	111	75	258
EASTBOUND	39	136	57	232					89	369	62	520
WESTBOUND	20	275	61	356					13	308	77	398

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.90					0.76
SOUTHBOUND	0.85	0.84				0.79	0.89
EASTBOUND	0.73					0.84	
WESTBOUND	0.71					0.99	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	2.4%	1.6%	0.0%	1.8%					0.0%	0.0%	2.8%
SOUTHBOUND	3.2%	5.7%	2.0%	3.7%					0.0%	1.8%	1.3%	1.2%
EASTBOUND	17.9%	3.7%	5.3%	6.5%					0.0%	1.1%	0.0%	0.8%
WESTBOUND	15.0%	1.1%	4.9%	2.5%					0.0%	2.3%	3.9%	2.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:30 AM	TO	7:30 AM	85	147	232	163	282	445	677
7:30 AM	TO	8:30 AM	112	217	329	210	356	566	895
2:00 PM	TO	3:00 PM	103	150	253	290	238	528	781
3:00 PM	TO	4:00 PM	166	186	352	362	289	651	1003
4:00 PM	TO	5:00 PM	148	219	367	413	332	745	1112
5:00 PM	TO	6:00 PM	204	237	441	512	387	899	1340
TOTAL VOLUME			818	1156	1974	1950		3834	5808
PERCENTAGE			14.1%	19.9%	34.0%	33.6%		66.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville, IN  
Greenfield Ave & Union Chapel Rd (#61)  
8/27/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:30 AM - 7:30 AM	27	2	29	49	1	50	4	2	6	80	5	85
7:30 AM - 8:30 AM	40	1	41	63	0	63	7	0	7	110	1	111
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	35	0	35	52	0	52	15	1	16	102	1	103
3:00 PM - 4:00 PM	64	9	73	74	4	78	15	0	15	153	13	166
4:00 PM - 5:00 PM	40	0	40	89	1	90	18	0	18	147	1	148
5:00 PM - 6:00 PM	44	0	44	119	0	119	39	2	41	202	2	204
PASSENGER	250 95.4%			446 98.7%			98 95.1%			794 97.2%		
TRUCK	12 4.6%			6 1.3%			5 4.9%			23 2.8%		
BOTH	262 32.1%			452 55.3%			103 12.6%			817 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:30 AM - 7:30 AM	24	1	25	47	1	48	72	2	74	143	4	147
7:30 AM - 8:30 AM	30	1	31	82	5	87	97	2	99	209	8	217
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	39	0	39	65	3	68	38	5	43	142	8	150
3:00 PM - 4:00 PM	55	5	60	65	6	71	48	7	55	168	18	186
4:00 PM - 5:00 PM	65	1	66	84	1	85	66	2	68	215	4	219
5:00 PM - 6:00 PM	65	0	65	103	1	104	67	1	68	235	2	237
PASSENGER	278 97.2%			446 96.3%			388 95.3%			1112 96.2%		
TRUCK	8 2.8%			17 3.7%			19 4.7%			44 3.8%		
BOTH	286 24.7%			463 40.1%			407 35.2%			1156 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:30 AM - 7:30 AM	20	1	21	104	4	108	34	0	34	158	5	163
7:30 AM - 8:30 AM	32	7	39	131	5	136	54	3	57	217	15	232
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	42	3	45	197	5	202	43	0	43	282	8	290
3:00 PM - 4:00 PM	66	6	72	212	7	219	65	6	71	343	19	362
4:00 PM - 5:00 PM	65	1	66	288	7	295	52	0	52	405	8	413
5:00 PM - 6:00 PM	96	0	96	358	3	361	55	0	55	509	3	512
PASSENGER	321 94.7%			1290 97.7%			303 97.1%			1914 97.1%		
TRUCK	18 5.3%			31 2.3%			9 2.9%			58 2.9%		
BOTH	339 17.2%			1321 67.0%			312 15.8%			1972 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:30 AM - 7:30 AM	9	1	10	236	1	237	35	0	35	280	2	282
7:30 AM - 8:30 AM	17	3	20	272	3	275	58	3	61	347	9	356
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	11	1	12	165	6	171	54	1	55	230	8	238
3:00 PM - 4:00 PM	12	0	12	211	8	219	56	2	58	279	10	289
4:00 PM - 5:00 PM	8	0	8	259	10	269	53	2	55	320	12	332
5:00 PM - 6:00 PM	13	0	13	287	4	291	81	2	83	381	6	387
PASSENGER	70 93.3%			1430 97.8%			337 97.1%			1837 97.5%		
TRUCK	5 6.7%			32 2.2%			10 2.9%			47 2.5%		
BOTH	75 4.0%			1462 77.6%			347 18.4%			1884 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Promise Rd & Greenfield Ave (#62)  
8/5/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	1	0	1					0	0	0	0
SOUTHBOUND	1	0	43	44					1	0	20	21
EASTBOUND	5	193	0	198					38	363	0	401
WESTBOUND	0	357	0	357					0	357	0	357

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.25					#DIV/0!	
SOUTHBOUND	0.73	0.89				0.53	0.91
EASTBOUND	0.87					0.90	
WESTBOUND	0.83					0.90	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	2.3%	2.3%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	2.1%	0.0%	2.0%					2.6%	1.9%	0.0%	2.0%
WESTBOUND	0.0%	2.0%	0.0%	2.0%					0.0%	3.4%	0.0%	3.4%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	1	22	23	66	98	164	187
7:00 AM	TO	8:00 AM	1	44	45	198	357	555	600
8:00 AM	TO	9:00 AM	0	13	13	88	133	221	234
2:00 PM	TO	3:00 PM	0	12	12	240	248	488	500
3:00 PM	TO	4:00 PM	0	16	16	278	226	504	520
4:00 PM	TO	5:00 PM	1	19	20	351	289	640	660
5:00 PM	TO	6:00 PM	0	21	21	401	357	758	779
TOTAL VOLUME			3	147	150	1622		3330	3480
PERCENTAGE			0.1%	4.2%	4.3%	46.6%		95.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Promise Rd & Greenfield Ave (#62)  
8/5/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	0	0	0	0	0	0	1	0	1
7:00 AM - 8:00 AM	0	0	0	1	0	1	0	0	0	1	0	1
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
2:00 PM - 3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	1	0	1	0	0	0	0	0	0	1	0	1
5:00 PM - 6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	2 100.0%			1 100.0%			0 #DIV/0!			3 100.0%		
TRUCK	0 0.0%			0 0.0%			0 #DIV/0!			0 0.0%		
BOTH	2 66.7%			1 33.3%			0 0.0%			3 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	22	0	22	22	0	22
7:00 AM - 8:00 AM	1	0	1	0	0	0	42	1	43	43	1	44
8:00 AM - 9:00 AM	0	0	0	0	0	0	12	1	13	12	1	13
PM TIME PERIOD												
2:00 PM - 3:00 PM	0	0	0	0	0	0	12	0	12	12	0	12
3:00 PM - 4:00 PM	2	0	2	0	0	0	13	1	14	15	1	16
4:00 PM - 5:00 PM	0	0	0	0	0	0	18	1	19	18	1	19
5:00 PM - 6:00 PM	1	0	1	0	0	0	20	0	20	21	0	21
PASSENGER	4 100.0%			0 #DIV/0!			139 97.2%			143 97.3%		
TRUCK	0 0.0%			0 #DIV/0!			4 2.8%			4 2.7%		
BOTH	4 2.7%			0 0.0%			143 97.3%			147 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	2	2	63	1	64	0	0	0	63	3	66
7:00 AM - 8:00 AM	5	0	5	189	4	193	0	0	0	194	4	198
8:00 AM - 9:00 AM	4	0	4	82	2	84	0	0	0	86	2	88
PM TIME PERIOD												
2:00 PM - 3:00 PM	15	1	16	220	4	224	0	0	0	235	5	240
3:00 PM - 4:00 PM	28	2	30	242	5	247	1	0	1	271	7	278
4:00 PM - 5:00 PM	20	0	20	321	9	330	1	0	1	342	9	351
5:00 PM - 6:00 PM	37	1	38	356	7	363	0	0	0	393	8	401
PASSENGER	109 94.8%			1473 97.9%			2 100.0%			1584 97.7%		
TRUCK	6 5.2%			32 2.1%			0 0.0%			38 2.3%		
BOTH	115 7.1%			1505 92.8%			2 0.1%			1622 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	93	3	96	1	0	1	95	3	98
7:00 AM - 8:00 AM	0	0	0	350	7	357	0	0	0	350	7	357
8:00 AM - 9:00 AM	0	0	0	129	3	132	1	0	1	130	3	133
PM TIME PERIOD												
2:00 PM - 3:00 PM	0	0	0	236	11	247	1	0	1	237	11	248
3:00 PM - 4:00 PM	0	0	0	221	5	226	0	0	0	221	5	226
4:00 PM - 5:00 PM	0	0	0	285	2	287	2	0	2	287	2	289
5:00 PM - 6:00 PM	0	0	0	345	12	357	0	0	0	345	12	357
PASSENGER	1 100.0%			1659 97.5%			5 100.0%			1665 97.5%		
TRUCK	0 0.0%			43 2.5%			0 0.0%			43 2.5%		
BOTH	1 0.1%			1702 99.6%			5 0.3%			1708 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Summer Road & Greenfield Ave (#63)  
9/24/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	7	2	4	13					12	4	1	17
SOUTHBOUND	5	1	34	40					11	1	21	33
EASTBOUND	11	217	3	231					37	353	15	405
WESTBOUND	0	315	12	327					3	358	15	376

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.54	0.92			0.47	0.95
SOUTHBOUND	0.91				0.63	
EASTBOUND	0.81				0.96	
WESTBOUND	0.89				0.89	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	40.0%	0.0%	2.9%	7.5%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	9.1%	3.7%	0.0%	3.9%					0.0%	2.3%	0.0%	2.0%
WESTBOUND	0.0%	2.9%	16.7%	3.4%					0.0%	0.6%	0.0%	0.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	6	24	30	96	98	194	224
7:00 AM	TO	8:00 AM	16	39	55	218	311	529	584
8:00 AM	TO	9:00 AM	7	18	25	95	154	249	274
2:00 PM	TO	3:00 PM	5	19	24	221	235	456	480
3:00 PM	TO	4:00 PM	6	28	34	292	231	523	557
4:00 PM	TO	5:00 PM	11	17	28	354	322	676	704
5:00 PM	TO	6:00 PM	17	33	50	405	376	781	831
TOTAL VOLUME			68	178	246	1681	1727	3408	3654
PERCENTAGE			1.9%	4.9%	6.7%	46.0%	47.3%	93.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Summer Road & Greenfield Ave (#63)  
9/24/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	1	0	1	2	0	2	6	0	6
7:00 AM - 8:00 AM	10	0	10	2	0	2	3	1	4	15	1	16
8:00 AM - 9:00 AM	2	0	2	1	0	1	3	1	4	6	1	7
PM TIME PERIOD												
2:00 PM - 3:00 PM	4	0	4	1	0	1	0	0	0	5	0	5
3:00 PM - 4:00 PM	2	0	2	1	1	2	1	1	2	4	2	6
4:00 PM - 5:00 PM	6	2	8	2	0	2	1	0	1	9	2	11
5:00 PM - 6:00 PM	12	0	12	4	0	4	1	0	1	17	0	17
PASSENGER	39 95.1%			12 92.3%			11 78.6%			62 91.2%		
TRUCK	2 4.9%			1 7.7%			3 21.4%			6 8.8%		
BOTH	41 60.3%			13 19.1%			14 20.6%			68 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	1	9	0	0	0	13	2	15	21	3	24
7:00 AM - 8:00 AM	6	1	7	1	0	1	31	0	31	38	1	39
8:00 AM - 9:00 AM	3	1	4	0	0	0	13	1	14	16	2	18
PM TIME PERIOD												
2:00 PM - 3:00 PM	10	0	10	0	0	0	7	2	9	17	2	19
3:00 PM - 4:00 PM	11	2	13	4	0	4	8	3	11	23	5	28
4:00 PM - 5:00 PM	3	0	3	3	0	3	10	1	11	16	1	17
5:00 PM - 6:00 PM	11	0	11	1	0	1	21	0	21	33	0	33
PASSENGER	52 91.2%			9 100.0%			103 92.0%			164 92.1%		
TRUCK	5 8.8%			0 0.0%			9 8.0%			14 7.9%		
BOTH	57 32.0%			9 5.1%			112 62.9%			178 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	1	3	90	1	91	0	2	2	92	4	96
7:00 AM - 8:00 AM	10	0	10	202	4	206	2	0	2	214	4	218
8:00 AM - 9:00 AM	5	2	7	80	6	86	1	1	2	86	9	95
PM TIME PERIOD												
2:00 PM - 3:00 PM	9	0	9	197	9	206	4	2	6	210	11	221
3:00 PM - 4:00 PM	14	1	15	257	11	268	8	1	9	279	13	292
4:00 PM - 5:00 PM	13	1	14	322	5	327	12	1	13	347	7	354
5:00 PM - 6:00 PM	37	0	37	345	8	353	15	0	15	397	8	405
PASSENGER	90 94.7%			1493 97.1%			42 85.7%			1625 96.7%		
TRUCK	5 5.3%			44 2.9%			7 14.3%			56 3.3%		
BOTH	95 5.7%			1537 91.4%			49 2.9%			1681 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1	93	1	94	2	1	3	95	3	98
7:00 AM - 8:00 AM	0	0	0	295	7	302	9	0	9	304	7	311
8:00 AM - 9:00 AM	1	1	2	138	5	143	6	3	9	145	9	154
PM TIME PERIOD												
2:00 PM - 3:00 PM	2	0	2	210	9	219	12	2	14	224	11	235
3:00 PM - 4:00 PM	2	3	5	198	17	215	10	1	11	210	21	231
4:00 PM - 5:00 PM	3	0	3	309	2	311	8	0	8	320	2	322
5:00 PM - 6:00 PM	3	0	3	356	2	358	15	0	15	374	2	376
PASSENGER	11 68.8%			1599 97.4%			62 89.9%			1672 96.8%		
TRUCK	5 31.3%			43 2.6%			7 10.1%			55 3.2%		
BOTH	16 0.9%			1642 95.1%			69 4.0%			1727 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Marilyn Road & Greenfield Ave (#64)  
 6/12/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	68		9	77					102		74
EASTBOUND		279	87	366						281	101	382
WESTBOUND	56	186		242					24	376		400

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.66					0.85
EASTBOUND	0.89	0.94				0.94	0.95
WESTBOUND	0.83					0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%		0.0%	0.0%					1.0%		0.0%
EASTBOUND		1.8%	1.1%	1.6%						1.4%	0.0%	1.0%
WESTBOUND	0.0%	4.3%		3.3%					0.0%	1.1%		1.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	26		26	222	96	318	344
7:00 AM	TO	8:00 AM	77		77	366	242	608	685
8:00 AM	TO	9:00 AM	72		72	277	220	497	569
3:00 PM	TO	4:00 PM	65		65	136	141	277	342
4:00 PM	TO	5:00 PM	128		128	344	335	679	807
5:00 PM	TO	6:00 PM	165		165	372	418	790	955
6:00 PM	TO	7:00 PM	96		96	179	190	369	465
TOTAL VOLUME			629		629	1896		3538	4167
PERCENTAGE			15.1%		15.1%	45.5%		84.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Marilyn Road & Greenfield Ave (#64)  
6/12/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	20	0	20				5	1	6	25	1	26
7:00 AM - 8:00 AM	68	0	68				9	0	9	77	0	77
8:00 AM - 9:00 AM	60	0	60				12	0	12	72	0	72
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	38	3	41				24	0	24	62	3	65
4:00 PM - 5:00 PM	82	2	84				44	0	44	126	2	128
5:00 PM - 6:00 PM	99	2	101				64	0	64	163	2	165
6:00 PM - 7:00 PM	55	1	56				40	0	40	95	1	96
<b>PASSENGER</b>	422 98.1%						198 99.5%			620 98.6%		
<b>TRUCK</b>	8 1.9%						1 0.5%			9 1.4%		
<b>BOTH</b>	430 68.4%						199 31.6%			629 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				166	5	171	50	1	51	216	6	222
7:00 AM - 8:00 AM				274	5	279	86	1	87	360	6	366
8:00 AM - 9:00 AM				200	11	211	66	0	66	266	11	277
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				106	4	110	26	0	26	132	4	136
4:00 PM - 5:00 PM				257	13	270	74	0	74	331	13	344
5:00 PM - 6:00 PM				272	6	278	94	0	94	366	6	372
6:00 PM - 7:00 PM				140	3	143	36	0	36	176	3	179
<b>PASSENGER</b>				1415 96.8%			432 99.5%			1847 97.4%		
<b>TRUCK</b>				47 3.2%			2 0.5%			49 2.6%		
<b>BOTH</b>				1462 77.1%			434 22.9%			1896 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	24	0	24	67	5	72				91	5	96
7:00 AM - 8:00 AM	56	0	56	178	8	186				234	8	242
8:00 AM - 9:00 AM	49	0	49	158	13	171				207	13	220
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	5	1	6	132	3	135				137	4	141
4:00 PM - 5:00 PM	23	0	23	304	8	312				327	8	335
5:00 PM - 6:00 PM	25	1	26	385	7	392				410	8	418
6:00 PM - 7:00 PM	9	1	10	179	1	180				188	2	190
<b>PASSENGER</b>	191 98.5%			1403 96.9%						1594 97.1%		
<b>TRUCK</b>	3 1.5%			45 3.1%						48 2.9%		
<b>BOTH</b>	194 11.8%			1448 88.2%						1642 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 171st St & Mill Creek Rd (#65)  
 9/18/2012  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		21	10	31					9	39	31	70
SOUTHBOUND	8	74		82					32			41
WESTBOUND	44		8	52					27		13	40

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.86				0.83	
SOUTHBOUND	0.66	0.86			0.79	0.86
WESTBOUND	0.72				0.67	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		9.5%	0.0%	6.5%						0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	4.1%		3.7%					0.0%	3.1%		2.4%
WESTBOUND	4.5%		0.0%	3.8%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	6	15	21		23	23	44
7:00 AM	TO	8:00 AM	31	82	113		52	52	165
8:00 AM	TO	9:00 AM	11	40	51		30	30	81
2:00 PM	TO	3:00 PM	26	21	47		20	20	67
3:00 PM	TO	4:00 PM	47	29	76		21	21	97
4:00 PM	TO	5:00 PM	61	33	94		27	27	121
5:00 PM	TO	6:00 PM	70	41	111		40	40	151
TOTAL VOLUME			252	261	513		213	213	726
PERCENTAGE			34.7%	36.0%	70.7%		29.3%	29.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
171st St & Mill Creek Rd (#65)  
9/18/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				4	0	4	2	0	2	6	0	6
7:00 AM - 8:00 AM				19	2	21	10	0	10	29	2	31
8:00 AM - 9:00 AM				4	1	5	6	0	6	10	1	11
PM TIME PERIOD												
2:00 PM - 3:00 PM				6	3	9	16	1	17	22	4	26
3:00 PM - 4:00 PM				16	2	18	28	1	29	44	3	47
4:00 PM - 5:00 PM				27	0	27	34	0	34	61	0	61
5:00 PM - 6:00 PM				39	0	39	31	0	31	70	0	70
PASSENGER				115 93.5%			127 98.4%			242 96.0%		
TRUCK				8 6.5%			2 1.6%			10 4.0%		
BOTH				123 48.8%			129 51.2%			252 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	14	1	15				14	1	15
7:00 AM - 8:00 AM	8	0	8	71	3	74				79	3	82
8:00 AM - 9:00 AM	7	3	10	27	3	30				34	6	40
PM TIME PERIOD												
2:00 PM - 3:00 PM	2	1	3	13	5	18				15	6	21
3:00 PM - 4:00 PM	8	2	10	17	2	19				25	4	29
4:00 PM - 5:00 PM	11	0	11	22	0	22				33	0	33
5:00 PM - 6:00 PM	9	0	9	31	1	32				40	1	41
PASSENGER	45 88.2%			195 92.9%						240 92.0%		
TRUCK	6 11.8%			15 7.1%						21 8.0%		
BOTH	51 19.5%			210 80.5%						261 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	19	1	20				3	0	3	22	1	23
7:00 AM - 8:00 AM	42	2	44				8	0	8	50	2	52
8:00 AM - 9:00 AM	22	3	25				5	0	5	27	3	30
PM TIME PERIOD												
2:00 PM - 3:00 PM	13	0	13				7	0	7	20	0	20
3:00 PM - 4:00 PM	16	0	16				5	0	5	21	0	21
4:00 PM - 5:00 PM	17	0	17				9	1	10	26	1	27
5:00 PM - 6:00 PM	27	0	27				13	0	13	40	0	40
PASSENGER	156 96.3%						50 98.0%			206 96.7%		
TRUCK	6 3.7%						1 2.0%			7 3.3%		
BOTH	162 76.1%						51 23.9%			213 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 171st St & Willowview Rd (#66)  
 8/15/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	13		8	21					34		15
EASTBOUND	5	22		27					6	47		53
WESTBOUND		50	24	74						25	16	41

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	SOUTHBOUND	0.75	0.78			0.82
EASTBOUND	0.75				0.78	
WESTBOUND	0.71				0.68	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	0.0%		0.0%	0.0%					0.0%		0.0%
EASTBOUND	20.0%	0.0%		3.7%					16.7%	2.1%		3.8%
WESTBOUND		0.0%	0.0%	0.0%						0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		12	12	7	44	51	63
7:00 AM	TO	8:00 AM		21	22	27	74	101	123
8:00 AM	TO	9:00 AM		9	9	25	48	73	82
3:00 PM	TO	4:00 PM		9	11	22	8	30	41
4:00 PM	TO	5:00 PM		27	28	27	29	56	84
5:00 PM	TO	6:00 PM		49	49	53	41	94	143
6:00 PM	TO	7:00 PM		7	7	24	19	43	50
TOTAL VOLUME				134	138	185	263	448	586
PERCENTAGE				22.9%	23.5%	31.6%	44.9%	76.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
171st St & Willowview Rd (#66)  
8/15/2012

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	5	0	5				7	0	7	12	0	12
7:00 AM - 8:00 AM	13	0	13				8	0	8	21	0	21
8:00 AM - 9:00 AM	5	0	5				4	0	4	9	0	9
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	6	0	6				3	0	3	9	0	9
4:00 PM - 5:00 PM	21	0	21				6	0	6	27	0	27
5:00 PM - 6:00 PM	34	0	34				15	0	15	49	0	49
6:00 PM - 7:00 PM	5	0	5				2	0	2	7	0	7
<b>PASSENGER</b>	89 100.0%						45 100.0%			134 100.0%		
<b>TRUCK</b>	0 0.0%						0 0.0%			0 0.0%		
<b>BOTH</b>	89 66.4%						45 33.6%			134 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	7	0	7				7	0	7
7:00 AM - 8:00 AM	4	1	5	22	0	22				26	1	27
8:00 AM - 9:00 AM	4	0	4	18	3	21				22	3	25
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	8	1	9	13	0	13				21	1	22
4:00 PM - 5:00 PM	1	0	1	24	2	26				25	2	27
5:00 PM - 6:00 PM	5	1	6	46	1	47				51	2	53
6:00 PM - 7:00 PM	3	0	3	20	1	21				23	1	24
<b>PASSENGER</b>	25 89.3%			150 95.5%						175 94.6%		
<b>TRUCK</b>	3 10.7%			7 4.5%						10 5.4%		
<b>BOTH</b>	28 15.1%			157 84.9%						185 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				30	0	30	14	0	14	44	0	44
7:00 AM - 8:00 AM				50	0	50	24	0	24	74	0	74
8:00 AM - 9:00 AM				32	4	36	12	0	12	44	4	48
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				4	0	4	4	0	4	8	0	8
4:00 PM - 5:00 PM				15	0	15	14	0	14	29	0	29
5:00 PM - 6:00 PM				25	0	25	16	0	16	41	0	41
6:00 PM - 7:00 PM				13	0	13	6	0	6	19	0	19
<b>PASSENGER</b>				169 97.7%			90 100.0%			259 98.5%		
<b>TRUCK</b>				4 2.3%			0 0.0%			4 1.5%		
<b>BOTH</b>				173 65.8%			90 34.2%			263 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 171st St & Cherry Tree Rd (#67)  
 7/26/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	9		43	52					18		70	88
EASTBOUND		15	26	41						25	18	43
WESTBOUND	37	9		46					59	29		88

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.76	0.83			0.69	0.83
EASTBOUND	0.85				0.67	
WESTBOUND	0.77				0.76	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%		0.0%	0.0%					0.0%		0.0%	0.0%
EASTBOUND		0.0%	11.5%	7.3%						4.0%	0.0%	2.3%
WESTBOUND	0.0%	0.0%		0.0%					1.7%	3.4%		2.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	16		16	13	17	30	46
7:00 AM	TO	8:00 AM	45		45	31	40	71	116
8:00 AM	TO	9:00 AM	46		46	40	50	90	136
3:00 PM	TO	4:00 PM	27		27	11	35	46	73
4:00 PM	TO	5:00 PM	70		70	45	91	136	206
5:00 PM	TO	6:00 PM	95		95	38	64	102	197
6:00 PM	TO	7:00 PM	0		0	0	0	0	0
TOTAL VOLUME			299		299	178	297	475	774
PERCENTAGE			38.6%		38.6%	23.0%	38.4%	61.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
171st St & Cherry Tree Rd (#67)  
7/26/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	5	0	5				11	0	11	16	0	16
7:00 AM - 8:00 AM	10	0	10				35	0	35	45	0	45
8:00 AM - 9:00 AM	8	0	8				38	0	38	46	0	46
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	5	0	5				22	0	22	27	0	27
4:00 PM - 5:00 PM	13	0	13				57	0	57	70	0	70
5:00 PM - 6:00 PM	17	0	17				78	0	78	95	0	95
6:00 PM - 7:00 PM	0	0	0				0	0	0	0	0	0
<b>PASSENGER</b>	58 100.0%						241 100.0%			299 100.0%		
<b>TRUCK</b>	0 0.0%						0 0.0%			0 0.0%		
<b>BOTH</b>	58 19.4%						241 80.6%			299 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				7	0	7	6	0	6	13	0	13
7:00 AM - 8:00 AM				14	0	14	17	0	17	31	0	31
8:00 AM - 9:00 AM				20	0	20	17	3	20	37	3	40
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				6	0	6	5	0	5	11	0	11
4:00 PM - 5:00 PM				27	1	28	17	0	17	44	1	45
5:00 PM - 6:00 PM				24	0	24	14	0	14	38	0	38
6:00 PM - 7:00 PM				0	0	0	0	0	0	0	0	0
<b>PASSENGER</b>				98 99.0%			76 96.2%			174 97.8%		
<b>TRUCK</b>				1 1.0%			3 3.8%			4 2.2%		
<b>BOTH</b>				99 55.6%			79 44.4%			178 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	15	0	15	2	0	2				17	0	17
7:00 AM - 8:00 AM	31	0	31	9	0	9				40	0	40
8:00 AM - 9:00 AM	42	0	42	8	0	8				50	0	50
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	25	0	25	10	0	10				35	0	35
4:00 PM - 5:00 PM	63	1	64	26	1	27				89	2	91
5:00 PM - 6:00 PM	40	0	40	24	0	24				64	0	64
6:00 PM - 7:00 PM	0	0	0	0	0	0				0	0	0
<b>PASSENGER</b>	216 99.5%			79 98.8%						295 99.3%		
<b>TRUCK</b>	1 0.5%			1 1.3%						2 0.7%		
<b>BOTH</b>	217 73.1%			80 26.9%						297 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
Pleasant & 10th St. (#72)  
3/12/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	3	158	24	185					6	398	79	483
SOUTHBOUND	26	276	2	304					111	268	12	391
EASTBOUND	0	127	15	142					0	339	27	366
WESTBOUND	3	84	22	109					7	245	104	356

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.80	0.88			0.86	0.98
SOUTHBOUND	0.92				0.88	
EASTBOUND	0.87				0.86	
WESTBOUND	0.74				0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	4.4%	4.2%	4.3%					0.0%	2.3%	2.5%	2.3%
SOUTHBOUND	0.0%	4.3%	50.0%	4.3%					2.7%	1.9%	0.0%	2.0%
EASTBOUND	0.0%	7.1%	6.7%	7.0%					0.0%	1.5%	0.0%	1.4%
WESTBOUND	0.0%	10.7%	4.5%	9.2%					0.0%	0.8%	1.9%	1.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	49	86	135	36	37	73	208
7:00 AM	TO	8:00 AM	196	280	476	111	110	221	697
8:00 AM	TO	9:00 AM	83	140	223	72	41	113	336
2:00 PM	TO	3:00 PM	332	289	621	263	315	578	1199
3:00 PM	TO	4:00 PM	369	305	674	270	301	571	1245
4:00 PM	TO	5:00 PM	410	375	785	354	356	710	1495
5:00 PM	TO	6:00 PM	501	347	848	318	328	646	1494
TOTAL VOLUME			1940	1822	3762	1424	1488	2912	6674
PERCENTAGE			29.1%	27.3%	56.4%	21.3%	22.3%	43.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Pleasant & 10th St. (#72)  
3/12/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	37	2	39	9	0	9	47	2	49
7:00 AM - 8:00 AM	2	0	2	156	8	164	28	2	30	186	10	196
8:00 AM - 9:00 AM	2	0	2	67	6	73	8	0	8	77	6	83
PM TIME PERIOD												
2:00 PM - 3:00 PM	6	0	6	264	12	276	50	0	50	320	12	332
3:00 PM - 4:00 PM	6	0	6	274	12	286	76	1	77	356	13	369
4:00 PM - 5:00 PM	5	0	5	320	8	328	76	1	77	401	9	410
5:00 PM - 6:00 PM	8	0	8	398	8	406	84	3	87	490	11	501
PASSENGER	30 100.0%			1516 96.4%			331 97.9%			1877 96.8%		
TRUCK	0 0.0%			56 3.6%			7 2.1%			63 3.2%		
BOTH	30 1.5%			1572 81.0%			338 17.4%			1940 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	73	4	77	1	4	5	78	8	86
7:00 AM - 8:00 AM	27	0	27	239	10	249	3	1	4	269	11	280
8:00 AM - 9:00 AM	11	0	11	123	6	129	0	0	0	134	6	140
PM TIME PERIOD												
2:00 PM - 3:00 PM	86	2	88	185	14	199	1	1	2	272	17	289
3:00 PM - 4:00 PM	83	0	83	207	5	212	9	1	10	299	6	305
4:00 PM - 5:00 PM	102	3	105	256	4	260	10	0	10	368	7	375
5:00 PM - 6:00 PM	88	1	89	242	4	246	12	0	12	342	5	347
PASSENGER	401 98.5%			1325 96.6%			36 83.7%			1762 96.7%		
TRUCK	6 1.5%			47 3.4%			7 16.3%			60 3.3%		
BOTH	407 22.3%			1372 75.3%			43 2.4%			1822 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	26	7	33	3	0	3	29	7	36
7:00 AM - 8:00 AM	1	0	1	91	6	97	13	0	13	105	6	111
8:00 AM - 9:00 AM	0	0	0	62	6	68	3	1	4	65	7	72
PM TIME PERIOD												
2:00 PM - 3:00 PM	2	0	2	235	11	246	14	1	15	251	12	263
3:00 PM - 4:00 PM	1	0	1	243	8	251	16	2	18	260	10	270
4:00 PM - 5:00 PM	0	0	0	324	5	329	25	0	25	349	5	354
5:00 PM - 6:00 PM	0	0	0	291	3	294	24	0	24	315	3	318
PASSENGER	4 100.0%			1272 96.5%			98 96.1%			1374 96.5%		
TRUCK	0 0.0%			46 3.5%			4 3.9%			50 3.5%		
BOTH	4 0.3%			1318 92.6%			102 7.2%			1424 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	31	1	32	5	0	5	36	1	37
7:00 AM - 8:00 AM	2	0	2	78	6	84	23	1	24	103	7	110
8:00 AM - 9:00 AM	1	0	1	21	6	27	12	1	13	34	7	41
PM TIME PERIOD												
2:00 PM - 3:00 PM	3	0	3	212	11	223	83	6	89	298	17	315
3:00 PM - 4:00 PM	4	0	4	204	11	215	81	1	82	289	12	301
4:00 PM - 5:00 PM	3	0	3	254	3	257	95	1	96	352	4	356
5:00 PM - 6:00 PM	6	0	6	216	1	217	104	1	105	326	2	328
PASSENGER	19 100.0%			1016 96.3%			403 97.3%			1438 96.6%		
TRUCK	0 0.0%			39 3.7%			11 2.7%			50 3.4%		
BOTH	19 1.3%			1055 70.9%			414 27.8%			1488 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Pleasant St & 16th St(#73)  
2/26/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	16	0	49	65					25	0	57	82
SOUTHBOUND	0	0	0	0					2	0	2	4
EASTBOUND	1	153	12	166					0	443	23	466
WESTBOUND	43	159	1	203					51	336	0	387

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.44				0.82	
SOUTHBOUND	#DIV/0!	0.86			0.33	0.97
EASTBOUND	0.80				0.88	
WESTBOUND	0.77				0.86	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					8.0%	0.0%	0.0%	2.4%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	2.0%	0.0%	1.8%					0.0%	0.2%	0.0%	0.2%
WESTBOUND	2.3%	4.4%	0.0%	3.9%					0.0%	0.6%	0.0%	0.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	18	0	18	51	40	91	109
7:00 AM	TO	8:00 AM	67	0	67	164	192	356	423
8:00 AM	TO	9:00 AM	20	0	20	81	77	158	178
2:00 PM	TO	3:00 PM	54	0	54	352	390	742	796
3:00 PM	TO	4:00 PM	74	0	74	343	374	717	791
4:00 PM	TO	5:00 PM	61	0	61	434	342	776	837
5:00 PM	TO	6:00 PM	84	4	88	382	380	762	850
TOTAL VOLUME			378	4	382	1807	1795	3602	3984
PERCENTAGE			9.5%	0.1%	9.6%	45.4%	45.1%	90.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Pleasant St & 16th St(#73)  
2/26/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	0	0	0	13	0	13	18	0	18
7:00 AM - 8:00 AM	18	0	18	0	0	0	49	0	49	67	0	67
8:00 AM - 9:00 AM	4	0	4	0	0	0	16	0	16	20	0	20
PM TIME PERIOD												
2:00 PM - 3:00 PM	13	0	13	0	0	0	40	1	41	53	1	54
3:00 PM - 4:00 PM	18	0	18	0	0	0	54	2	56	72	2	74
4:00 PM - 5:00 PM	18	1	19	0	0	0	42	0	42	60	1	61
5:00 PM - 6:00 PM	18	1	19	0	0	0	65	0	65	83	1	84
PASSENGER	94 97.9%			0 #DIV/0!			279 98.9%			373 98.7%		
TRUCK	2 2.1%			0 #DIV/0!			3 1.1%			5 1.3%		
BOTH	96 25.4%			0 0.0%			282 74.6%			378 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
2:00 PM - 3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM - 6:00 PM	2	0	2	0	0	0	2	0	2	4	0	4
PASSENGER	2 100.0%			0 #DIV/0!			2 100.0%			4 100.0%		
TRUCK	0 0.0%			0 #DIV/0!			0 0.0%			0 0.0%		
BOTH	2 50.0%			0 0.0%			2 50.0%			4 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	43	5	48	3	0	3	46	5	51
7:00 AM - 8:00 AM	1	0	1	149	5	154	9	0	9	159	5	164
8:00 AM - 9:00 AM	0	0	0	73	3	76	5	0	5	78	3	81
PM TIME PERIOD												
2:00 PM - 3:00 PM	0	0	0	328	13	341	11	0	11	339	13	352
3:00 PM - 4:00 PM	0	0	0	319	8	327	16	0	16	335	8	343
4:00 PM - 5:00 PM	0	0	0	409	4	413	21	0	21	430	4	434
5:00 PM - 6:00 PM	0	0	0	365	0	365	17	0	17	382	0	382
PASSENGER	1 100.0%			1686 97.8%			82 100.0%			1769 97.9%		
TRUCK	0 0.0%			38 2.2%			0 0.0%			38 2.1%		
BOTH	1 0.1%			1724 95.4%			82 4.5%			1807 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	33	2	35	0	0	0	38	2	40
7:00 AM - 8:00 AM	35	1	36	150	5	155	1	0	1	186	6	192
8:00 AM - 9:00 AM	13	1	14	55	8	63	0	0	0	68	9	77
PM TIME PERIOD												
2:00 PM - 3:00 PM	45	1	46	333	11	344	0	0	0	378	12	390
3:00 PM - 4:00 PM	55	0	55	313	6	319	0	0	0	368	6	374
4:00 PM - 5:00 PM	35	1	36	297	9	306	0	0	0	332	10	342
5:00 PM - 6:00 PM	56	0	56	322	2	324	0	0	0	378	2	380
PASSENGER	244 98.4%			1503 97.2%			1 100.0%			1748 97.4%		
TRUCK	4 1.6%			43 2.8%			0 0.0%			47 2.6%		
BOTH	248 13.8%			1546 86.1%			1 0.1%			1795 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Pleasant St & 19th St(#74)  
 3/1/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	31		58	89					62		69
EASTBOUND	88	137		225					173	433		606
WESTBOUND		147	59	206						425	239	664

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	SOUTHBOUND	0.70				0.67
EASTBOUND	0.71	0.89			0.91	0.92
WESTBOUND	0.79				0.89	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	6.5%		5.2%	5.6%					1.6%		0.0%
EASTBOUND	1.1%	2.9%		2.2%					2.3%	1.2%		1.5%
WESTBOUND		2.0%	0.0%	1.5%						0.7%	0.8%	0.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		21	21	47	61	108	129
7:00 AM	TO	8:00 AM		89	89	225	206	431	520
8:00 AM	TO	9:00 AM		32	32	65	88	153	185
2:00 PM	TO	3:00 PM		120	120	521	676	1197	1317
3:00 PM	TO	4:00 PM		120	120	525	650	1175	1295
4:00 PM	TO	5:00 PM		110	110	597	672	1269	1379
5:00 PM	TO	6:00 PM		125	125	510	518	1028	1153
TOTAL VOLUME				617	617	2490	2871	5361	5978
PERCENTAGE				10.3%	10.3%	41.7%	48.0%	89.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Pleasant St & 19th St(#74)  
3/1/2013

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	14	0	14				7	0	7	21	0	21
7:00 AM - 8:00 AM	29	2	31				55	3	58	84	5	89
8:00 AM - 9:00 AM	17	1	18				11	3	14	28	4	32
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	53	2	55				61	4	65	114	6	120
3:00 PM - 4:00 PM	58	1	59				57	4	61	115	5	120
4:00 PM - 5:00 PM	49	1	50				58	2	60	107	3	110
5:00 PM - 6:00 PM	65	0	65				60	0	60	125	0	125
PASSENGER	285 97.6%						309 95.1%			594 96.3%		
TRUCK	7 2.4%						16 4.9%			23 3.7%		
BOTH	292 47.3%						325 52.7%			617 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	12	0	12	33	2	35				45	2	47
7:00 AM - 8:00 AM	87	1	88	133	4	137				220	5	225
8:00 AM - 9:00 AM	15	0	15	49	1	50				64	1	65
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	143	1	144	363	14	377				506	15	521
3:00 PM - 4:00 PM	130	5	135	375	15	390				505	20	525
4:00 PM - 5:00 PM	149	3	152	436	9	445				585	12	597
5:00 PM - 6:00 PM	136	2	138	368	4	372				504	6	510
PASSENGER	672 98.2%			1757 97.3%						2429 97.6%		
TRUCK	12 1.8%			49 2.7%						61 2.4%		
BOTH	684 27.5%			1806 72.5%						2490 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				43	3	46	15	0	15	58	3	61
7:00 AM - 8:00 AM				144	3	147	59	0	59	203	3	206
8:00 AM - 9:00 AM				61	1	62	26	0	26	87	1	88
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				422	18	440	236	0	236	658	18	676
3:00 PM - 4:00 PM				405	15	420	228	2	230	633	17	650
4:00 PM - 5:00 PM				410	4	414	254	4	258	664	8	672
5:00 PM - 6:00 PM				321	5	326	191	1	192	512	6	518
PASSENGER				1806 97.4%			1009 99.3%			2815 98.0%		
TRUCK				49 2.6%			7 0.7%			56 2.0%		
BOTH				1855 64.6%			1016 35.4%			2871 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
Pleasant St & SR 37 (#75)  
3/7/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	57	758	30	<b>845</b>					178	1326	64
SOUTHBOUND	103	1505	78	<b>1686</b>					232	990	112	<b>1334</b>
EASTBOUND	44	59	37	<b>140</b>					168	204	117	<b>489</b>
WESTBOUND	31	75	83	<b>189</b>					47	155	270	<b>472</b>

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.96	<b>0.91</b>			0.94
SOUTHBOUND	0.87				0.92	
EASTBOUND	0.74				0.87	
WESTBOUND	0.80				0.89	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	3.5%	5.9%	6.7%	5.8%					2.8%	1.7%	4.7%
SOUTHBOUND	4.9%	2.9%	5.1%	3.1%					0.4%	3.4%	1.8%	2.8%
EASTBOUND	15.9%	1.7%	2.7%	6.4%					0.6%	0.5%	2.6%	1.0%
WESTBOUND	6.5%	1.3%	4.8%	3.7%					2.1%	1.3%	0.4%	0.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	264	696	960	57	47	104	1064
7:00 AM	TO	8:00 AM	845	1686	2531	140	189	329	2860
8:00 AM	TO	9:00 AM	339	739	1078	85	76	161	1239
2:00 PM	TO	3:00 PM	969	1000	1969	471	431	902	2871
3:00 PM	TO	4:00 PM	1176	1254	2430	422	399	821	3251
4:00 PM	TO	5:00 PM	1499	1292	2791	497	423	920	3711
5:00 PM	TO	6:00 PM	1557	1310	2867	473	457	930	3797
TOTAL VOLUME			6649	7977	14626	2145	2022	4167	18793
PERCENTAGE			35.4%	42.4%	77.8%	11.4%	10.8%	22.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Pleasant St & SR 37 (#75)  
3/7/2013

DIRECTION OF TRAVEL : NORTHBOUND

hour	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	14	2	16	222	13	235	13	0	13	249	15	264
7:00 AM - 8:00 AM	55	2	57	713	45	758	28	2	30	796	49	845
8:00 AM - 9:00 AM	28	3	31	264	28	292	14	2	16	306	33	339
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	124	5	129	742	48	790	46	4	50	912	57	969
3:00 PM - 4:00 PM	154	1	155	909	52	961	58	2	60	1121	55	1176
4:00 PM - 5:00 PM	183	8	191	1185	50	1235	70	3	73	1438	61	1499
5:00 PM - 6:00 PM	174	3	177	1303	16	1319	61	0	61	1538	19	1557
PASSENGER	732 96.8%			5338 95.5%			290 95.7%			6360 95.7%		
TRUCK	24 3.2%			252 4.5%			13 4.3%			289 4.3%		
BOTH	756 11.4%			5590 84.1%			303 4.6%			6649 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

hour	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	18	2	20	629	21	650	26	0	26	673	23	696
7:00 AM - 8:00 AM	98	5	103	1462	43	1505	74	4	78	1634	52	1686
8:00 AM - 9:00 AM	35	2	37	632	21	653	42	7	49	709	30	739
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	175	4	179	658	58	716	100	5	105	933	67	1000
3:00 PM - 4:00 PM	164	1	165	935	53	988	95	6	101	1194	60	1254
4:00 PM - 5:00 PM	226	0	226	907	31	938	122	6	128	1255	37	1292
5:00 PM - 6:00 PM	230	3	233	947	32	979	96	2	98	1273	37	1310
PASSENGER	946 98.2%			6170 96.0%			555 94.9%			7671 96.2%		
TRUCK	17 1.8%			259 4.0%			30 5.1%			306 3.8%		
BOTH	963 12.1%			6429 80.6%			585 7.3%			7977 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

hour	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	9	5	14	20	2	22	18	3	21	47	10	57
7:00 AM - 8:00 AM	37	7	44	58	1	59	36	1	37	131	9	140
8:00 AM - 9:00 AM	23	3	26	25	0	25	31	3	34	79	6	85
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	154	6	160	186	0	186	122	3	125	462	9	471
3:00 PM - 4:00 PM	131	8	139	183	1	184	96	3	99	410	12	422
4:00 PM - 5:00 PM	161	4	165	210	1	211	117	4	121	488	9	497
5:00 PM - 6:00 PM	155	2	157	203	1	204	109	3	112	467	6	473
PASSENGER	670 95.0%			885 99.3%			529 96.4%			2084 97.2%		
TRUCK	35 5.0%			6 0.7%			20 3.6%			61 2.8%		
BOTH	705 32.9%			891 41.5%			549 25.6%			2145 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

hour	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	16	1	17	14	1	15	15	0	15	45	2	47
7:00 AM - 8:00 AM	29	2	31	74	1	75	79	4	83	182	7	189
8:00 AM - 9:00 AM	15	1	16	29	0	29	30	1	31	74	2	76
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	52	4	56	179	0	179	194	2	196	425	6	431
3:00 PM - 4:00 PM	56	1	57	154	1	155	186	1	187	396	3	399
4:00 PM - 5:00 PM	43	0	43	151	3	154	222	4	226	416	7	423
5:00 PM - 6:00 PM	47	1	48	148	0	148	260	1	261	455	2	457
PASSENGER	258 96.3%			749 99.2%			986 98.7%			1993 98.6%		
TRUCK	10 3.7%			6 0.8%			13 1.3%			29 1.4%		
BOTH	268 13.3%			755 37.3%			999 49.4%			2022 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
Pleasant St & Mercantile Rd (#76)  
3/21/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	82	2	9	93					428	9	38	475
SOUTHBOUND	0	1	5	6					4	5	26	35
EASTBOUND	31	54	134	219					4	152	390	546
WESTBOUND	17	78	0	95					33	148	6	187

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.78	0.88			0.91	0.96
SOUTHBOUND	0.50				0.63	
EASTBOUND	0.94				0.98	
WESTBOUND	0.72				0.90	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	3.7%	0.0%	0.0%	3.2%					0.7%	0.0%	2.6%	0.8%
SOUTHBOUND	0.0%	0.0%	20.0%	16.7%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	6.5%	3.7%	5.2%	5.0%					0.0%	2.0%	0.8%	1.1%
WESTBOUND	11.8%	7.7%	0.0%	8.4%					0.0%	0.7%	0.0%	0.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	37	1	38	66	31	97	135
7:00 AM	TO	8:00 AM	100	2	102	197	92	289	391
8:00 AM	TO	9:00 AM	35	6	41	108	34	142	183
2:00 PM	TO	3:00 PM	348	20	368	436	141	577	945
3:00 PM	TO	4:00 PM	355	37	392	418	132	550	942
4:00 PM	TO	5:00 PM	368	17	385	514	151	665	1050
5:00 PM	TO	6:00 PM	475	35	510	546	187	733	1243
TOTAL VOLUME			1718	118	1836	2285	768	3053	4889
PERCENTAGE			35.1%	2.4%	37.6%	46.7%	15.7%	62.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Pleasant St & Mercantile Rd (#76)  
3/21/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	27	9	36	0	0	0	1	0	1	28	9	37
7:00 AM - 8:00 AM	89	3	92	0	0	0	8	0	8	97	3	100
8:00 AM - 9:00 AM	30	2	32	2	0	2	1	0	1	33	2	35
PM TIME PERIOD												
2:00 PM - 3:00 PM	320	1	321	4	0	4	21	2	23	345	3	348
3:00 PM - 4:00 PM	321	7	328	4	0	4	20	3	23	345	10	355
4:00 PM - 5:00 PM	347	5	352	1	0	1	15	0	15	363	5	368
5:00 PM - 6:00 PM	425	3	428	9	0	9	37	1	38	471	4	475
PASSENGER	1559 98.1%			20 100.0%			103 94.5%			1682 97.9%		
TRUCK	30 1.9%			0 0.0%			6 5.5%			36 2.1%		
BOTH	1589 92.5%			20 1.2%			109 6.3%			1718 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	1	0	1	1	0	1
7:00 AM - 8:00 AM	0	0	0	1	0	1	1	0	1	2	0	2
8:00 AM - 9:00 AM	0	0	0	1	0	1	4	1	5	5	1	6
PM TIME PERIOD												
2:00 PM - 3:00 PM	0	0	0	3	0	3	16	1	17	19	1	20
3:00 PM - 4:00 PM	0	0	0	3	0	3	33	1	34	36	1	37
4:00 PM - 5:00 PM	2	0	2	2	0	2	13	0	13	17	0	17
5:00 PM - 6:00 PM	4	0	4	5	0	5	26	0	26	35	0	35
PASSENGER	6 100.0%			15 100.0%			94 96.9%			115 97.5%		
TRUCK	0 0.0%			0 0.0%			3 3.1%			3 2.5%		
BOTH	6 5.1%			15 12.7%			97 82.2%			118 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	25	1	26	35	1	36	64	2	66
7:00 AM - 8:00 AM	23	1	24	50	0	50	117	6	123	190	7	197
8:00 AM - 9:00 AM	13	1	14	24	2	26	64	4	68	101	7	108
PM TIME PERIOD												
2:00 PM - 3:00 PM	5	1	6	92	11	103	326	1	327	423	13	436
3:00 PM - 4:00 PM	10	2	12	95	6	101	297	8	305	402	16	418
4:00 PM - 5:00 PM	11	0	11	149	4	153	348	2	350	508	6	514
5:00 PM - 6:00 PM	4	0	4	149	3	152	387	3	390	540	6	546
PASSENGER	70 93.3%			584 95.6%			1574 98.4%			2228 97.5%		
TRUCK	5 6.7%			27 4.4%			25 1.6%			57 2.5%		
BOTH	75 3.3%			611 26.7%			1599 70.0%			2285 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	26	1	27	0	0	0	30	1	31
7:00 AM - 8:00 AM	10	2	12	75	5	80	0	0	0	85	7	92
8:00 AM - 9:00 AM	8	0	8	24	2	26	0	0	0	32	2	34
PM TIME PERIOD												
2:00 PM - 3:00 PM	20	1	21	113	5	118	2	0	2	135	6	141
3:00 PM - 4:00 PM	16	0	16	109	7	116	0	0	0	125	7	132
4:00 PM - 5:00 PM	31	0	31	120	0	120	0	0	0	151	0	151
5:00 PM - 6:00 PM	33	0	33	147	1	148	6	0	6	186	1	187
PASSENGER	122 97.6%			614 96.7%			8 100.0%			744 96.9%		
TRUCK	3 2.4%			21 3.3%			0 0.0%			24 3.1%		
BOTH	125 16.3%			635 82.7%			8 1.0%			768 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 SR 38 & Deshane Ave (#77)  
 11/27/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	0		0	0					2		0
EASTBOUND	0	278		278					2	342		344
WESTBOUND		281	0	281						347	2	349

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	SOUTHBOUND	#DIV/0!				0.50
EASTBOUND	0.88	0.87			0.80	0.89
WESTBOUND	0.86				0.92	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	0.0%		0.0%	0.0%					0.0%		0.0%
EASTBOUND	0.0%	5.8%		5.8%					0.0%	2.9%		2.9%
WESTBOUND		11.4%	0.0%	11.4%						2.3%	0.0%	2.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		4	4	174	178	352	356
7:00 AM	TO	8:00 AM		0	0	278	281	559	559
8:00 AM	TO	9:00 AM		3	3	200	227	427	430
3:00 PM	TO	4:00 PM		2	2	129	119	248	250
4:00 PM	TO	5:00 PM		3	3	300	285	585	588
5:00 PM	TO	6:00 PM		3	3	336	355	691	694
6:00 PM	TO	7:00 PM		0	0	131	152	283	283
TOTAL VOLUME				15	15	1548	1597	3145	3160
PERCENTAGE				0.5%	0.5%	49.0%	50.5%	99.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 38 & Deshane Ave (#77)  
11/27/2012

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	0	2				2	0	2	4	0	4
7:00 AM - 8:00 AM	0	0	0				0	0	0	0	0	0
8:00 AM - 9:00 AM	1	0	1				1	1	2	2	1	3
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	1	0	1				1	0	1	2	0	2
4:00 PM - 5:00 PM	2	0	2				1	0	1	3	0	3
5:00 PM - 6:00 PM	3	0	3				0	0	0	3	0	3
6:00 PM - 7:00 PM	0	0	0				0	0	0	0	0	0
<b>PASSENGER</b>	9 100.0%						5 83.3%			14 93.3%		
<b>TRUCK</b>	0 0.0%						1 16.7%			1 6.7%		
<b>BOTH</b>	9 60.0%						6 40.0%			15 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	163	11	174				163	11	174
7:00 AM - 8:00 AM	0	0	0	262	16	278				262	16	278
8:00 AM - 9:00 AM	0	0	0	183	17	200				183	17	200
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	115	14	129				115	14	129
4:00 PM - 5:00 PM	1	0	1	283	16	299				284	16	300
5:00 PM - 6:00 PM	1	0	1	326	9	335				327	9	336
6:00 PM - 7:00 PM	1	0	1	121	9	130				122	9	131
<b>PASSENGER</b>	3 100.0%			1453 94.0%						1456 94.1%		
<b>TRUCK</b>	0 0.0%			92 6.0%						92 5.9%		
<b>BOTH</b>	3 0.2%			1545 99.8%						1548 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				170	8	178	0	0	0	170	8	178
7:00 AM - 8:00 AM				249	32	281	0	0	0	249	32	281
8:00 AM - 9:00 AM				208	17	225	1	1	2	209	18	227
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				113	6	119	0	0	0	113	6	119
4:00 PM - 5:00 PM				269	15	284	1	0	1	270	15	285
5:00 PM - 6:00 PM				343	11	354	1	0	1	344	11	355
6:00 PM - 7:00 PM				150	0	150	2	0	2	152	0	152
<b>PASSENGER</b>				1502 94.4%			5 83.3%			1507 94.4%		
<b>TRUCK</b>				89 5.6%			1 16.7%			90 5.6%		
<b>BOTH</b>				1591 99.6%			6 0.4%			1597 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 SR 38 & Middletown Ave - Boden Rd (#78)  
 11/29/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	21	46	14	81					98	83	15
SOUTHBOUND	0	58	11	69					1	61	13	75
EASTBOUND	15	225	77	317					7	250	66	323
WESTBOUND	20	255	5	280					16	277	1	294

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.92				0.96
SOUTHBOUND	0.82	0.92			0.54	0.94
EASTBOUND	0.92				0.89	
WESTBOUND	0.86				0.84	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	10.9%	7.1%	7.4%					12.2%	1.2%	13.3%
SOUTHBOUND	0.0%	6.9%	18.2%	8.7%					0.0%	0.0%	7.7%	1.3%
EASTBOUND	6.7%	4.4%	7.8%	5.4%					14.3%	3.6%	18.2%	6.8%
WESTBOUND	5.0%	3.5%	20.0%	3.9%					0.0%	6.1%	0.0%	5.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	40	41	81	183	182	365	446
7:00 AM	TO	8:00 AM	81	69	150	317	280	597	747
8:00 AM	TO	9:00 AM	76	59	135	235	200	435	570
3:00 PM	TO	4:00 PM	59	39	98	141	95	236	334
4:00 PM	TO	5:00 PM	153	40	193	239	243	482	675
5:00 PM	TO	6:00 PM	179	73	252	327	301	628	880
6:00 PM	TO	7:00 PM	78	13	91	142	94	236	327
TOTAL VOLUME			666	334	1000	1584	1395	2979	3979
PERCENTAGE			16.7%	8.4%	25.1%	39.8%	35.1%	74.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 38 & Middletown Ave - Boden Rd (#78)  
11/29/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	18	1	19	14	0	14	7	0	7	39	1	40
7:00 AM - 8:00 AM	21	0	21	41	5	46	13	1	14	75	6	81
8:00 AM - 9:00 AM	24	3	27	29	12	41	8	0	8	61	15	76
PM TIME PERIOD												
3:00 PM - 4:00 PM	21	4	25	24	5	29	3	2	5	48	11	59
4:00 PM - 5:00 PM	55	12	67	66	6	72	12	2	14	133	20	153
5:00 PM - 6:00 PM	85	13	98	65	2	67	12	2	14	162	17	179
6:00 PM - 7:00 PM	38	3	41	27	2	29	6	2	8	71	7	78
PASSENGER	262 87.9%			266 89.3%			61 87.1%			589 88.4%		
TRUCK	36 12.1%			32 10.7%			9 12.9%			77 11.6%		
BOTH	298 44.7%			298 44.7%			70 10.5%			666 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	30	2	32	6	3	9	36	5	41
7:00 AM - 8:00 AM	0	0	0	54	4	58	9	2	11	63	6	69
8:00 AM - 9:00 AM	2	0	2	43	10	53	4	0	4	49	10	59
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	24	7	31	5	3	8	29	10	39
4:00 PM - 5:00 PM	1	1	2	34	1	35	3	0	3	38	2	40
5:00 PM - 6:00 PM	0	0	0	60	0	60	12	1	13	72	1	73
6:00 PM - 7:00 PM	0	0	0	11	0	11	2	0	2	13	0	13
PASSENGER	3 75.0%			256 91.4%			41 82.0%			300 89.8%		
TRUCK	1 25.0%			24 8.6%			9 18.0%			34 10.2%		
BOTH	4 1.2%			280 83.8%			50 15.0%			334 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	125	2	127	46	6	52	175	8	183
7:00 AM - 8:00 AM	14	1	15	215	10	225	71	6	77	300	17	317
8:00 AM - 9:00 AM	10	6	16	151	18	169	41	9	50	202	33	235
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	2	3	97	13	110	23	5	28	121	20	141
4:00 PM - 5:00 PM	5	4	9	158	21	179	40	11	51	203	36	239
5:00 PM - 6:00 PM	6	4	10	246	11	257	50	10	60	302	25	327
6:00 PM - 7:00 PM	6	0	6	110	7	117	19	0	19	135	7	142
PASSENGER	46 73.0%			1102 93.1%			290 86.1%			1438 90.8%		
TRUCK	17 27.0%			82 6.9%			47 13.9%			146 9.2%		
BOTH	63 4.0%			1184 74.7%			337 21.3%			1584 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	0	8	161	11	172	2	0	2	171	11	182
7:00 AM - 8:00 AM	19	1	20	246	9	255	4	1	5	269	11	280
8:00 AM - 9:00 AM	12	3	15	161	21	182	3	0	3	176	24	200
PM TIME PERIOD												
3:00 PM - 4:00 PM	7	0	7	81	4	85	3	0	3	91	4	95
4:00 PM - 5:00 PM	11	0	11	216	15	231	1	0	1	228	15	243
5:00 PM - 6:00 PM	15	0	15	271	13	284	2	0	2	288	13	301
6:00 PM - 7:00 PM	1	0	1	89	4	93	0	0	0	90	4	94
PASSENGER	73 94.8%			1225 94.1%			15 93.8%			1313 94.1%		
TRUCK	4 5.2%			77 5.9%			1 6.3%			82 5.9%		
BOTH	77 5.5%			1302 93.3%			16 1.1%			1395 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 SR 38 & Mystic Rd (#79)  
 11/27/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	12		4	16					2		2
EASTBOUND	1	234		235					1	287		288
WESTBOUND		247	0	247						284	6	290

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	SOUTHBOUND	0.67					1.00
EASTBOUND	0.88	0.88				0.88	0.92
WESTBOUND	0.87					0.92	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	8.3%		25.0%	12.5%					0.0%		0.0%
EASTBOUND	0.0%	5.6%		5.5%					0.0%	5.2%		5.2%
WESTBOUND		6.9%	0.0%	6.9%						3.5%	16.7%	3.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		9	9	116	157	273	282
7:00 AM	TO	8:00 AM		16	16	235	247	482	498
8:00 AM	TO	9:00 AM		3	3	165	183	348	351
3:00 PM	TO	4:00 PM		2	2	115	124	239	241
4:00 PM	TO	5:00 PM		7	7	278	248	526	533
5:00 PM	TO	6:00 PM		4	4	284	281	565	569
6:00 PM	TO	7:00 PM		4	4	114	115	229	233
TOTAL VOLUME				45	45	1307	1355	2662	2707
PERCENTAGE				1.7%	1.7%	48.3%	50.1%	98.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 38 & Mystic Rd (#79)  
11/27/2012

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	6	1	7				2	0	2	8	1	9
7:00 AM - 8:00 AM	11	1	12				3	1	4	14	2	16
8:00 AM - 9:00 AM	0	0	0				0	3	3	0	3	3
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	1	0	1				1	0	1	2	0	2
4:00 PM - 5:00 PM	4	0	4				3	0	3	7	0	7
5:00 PM - 6:00 PM	1	0	1				3	0	3	4	0	4
6:00 PM - 7:00 PM	4	0	4				0	0	0	4	0	4
<b>PASSENGER</b>	27 93.1%						12 75.0%			39 86.7%		
<b>TRUCK</b>	2 6.9%						4 25.0%			6 13.3%		
<b>BOTH</b>	29 64.4%						16 35.6%			45 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	109	7	116				109	7	116
7:00 AM - 8:00 AM	1	0	1	221	13	234				222	13	235
8:00 AM - 9:00 AM	2	0	2	147	16	163				149	16	165
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	2	2	4	102	9	111				104	11	115
4:00 PM - 5:00 PM	7	0	7	259	12	271				266	12	278
5:00 PM - 6:00 PM	1	0	1	270	13	283				271	13	284
6:00 PM - 7:00 PM	0	0	0	110	4	114				110	4	114
<b>PASSENGER</b>	13 86.7%			1218 94.3%						1231 94.2%		
<b>TRUCK</b>	2 13.3%			74 5.7%						76 5.8%		
<b>BOTH</b>	15 1.1%			1292 98.9%						1307 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				144	12	156	1	0	1	145	12	157
7:00 AM - 8:00 AM				230	17	247	0	0	0	230	17	247
8:00 AM - 9:00 AM				168	13	181	1	1	2	169	14	183
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				106	11	117	6	1	7	112	12	124
4:00 PM - 5:00 PM				229	9	238	9	1	10	238	10	248
5:00 PM - 6:00 PM				269	7	276	5	0	5	274	7	281
6:00 PM - 7:00 PM				112	1	113	2	0	2	114	1	115
<b>PASSENGER</b>				1258 94.7%			24 88.9%			1282 94.6%		
<b>TRUCK</b>				70 5.3%			3 11.1%			73 5.4%		
<b>BOTH</b>				1328 98.0%			27 2.0%			1355 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 SR 38 & Olio Rd (#80)  
 11/30/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	49		27	76					77		37
EASTBOUND		180	77	257						290	41	331
WESTBOUND	24	200		224					16	220		236

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.76					0.84
EASTBOUND	0.92	0.91				0.92	0.93
WESTBOUND	0.90					0.88	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	8.2%		18.5%	11.8%					6.5%		2.7%
EASTBOUND		4.4%	7.8%	5.4%						5.9%	2.4%	5.4%
WESTBOUND	8.3%	6.5%		6.7%					0.0%	4.5%		4.2%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	24		24	125	186	311	335
7:00 AM	TO	8:00 AM	76		76	257	224	481	557
8:00 AM	TO	9:00 AM	75		75	208	178	386	461
3:00 PM	TO	4:00 PM	47		47	105	98	203	250
4:00 PM	TO	5:00 PM	100		100	307	236	543	643
5:00 PM	TO	6:00 PM	111		111	335	231	566	677
6:00 PM	TO	7:00 PM	38		38	137	97	234	272
TOTAL VOLUME			471		471	1474	1250	2724	3195
PERCENTAGE			14.7%		14.7%	46.1%	39.1%	85.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 38 & Olio Rd (#80)  
11/30/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	19	0	19				4	1	5	23	1	24
7:00 AM - 8:00 AM	45	4	49				22	5	27	67	9	76
8:00 AM - 9:00 AM	40	11	51				19	5	24	59	16	75
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	28	5	33				13	1	14	41	6	47
4:00 PM - 5:00 PM	63	8	71				27	2	29	90	10	100
5:00 PM - 6:00 PM	72	2	74				35	2	37	107	4	111
6:00 PM - 7:00 PM	28	0	28				10	0	10	38	0	38
PASSENGER	295 90.8%						130 89.0%			425 90.2%		
TRUCK	30 9.2%						16 11.0%			46 9.8%		
BOTH	325 69.0%						146 31.0%			471 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				86	5	91	27	7	34	113	12	125
7:00 AM - 8:00 AM				172	8	180	71	6	77	243	14	257
8:00 AM - 9:00 AM				136	17	153	48	7	55	184	24	208
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				78	8	86	17	2	19	95	10	105
4:00 PM - 5:00 PM				247	13	260	45	2	47	292	15	307
5:00 PM - 6:00 PM				277	16	293	41	1	42	318	17	335
6:00 PM - 7:00 PM				115	4	119	17	1	18	132	5	137
PASSENGER				1111 94.0%			266 91.1%			1377 93.4%		
TRUCK				71 6.0%			26 8.9%			97 6.6%		
BOTH				1182 80.2%			292 19.8%			1474 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	11	0	11	165	10	175				176	10	186
7:00 AM - 8:00 AM	22	2	24	187	13	200				209	15	224
8:00 AM - 9:00 AM	20	6	26	136	16	152				156	22	178
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	7	5	12	81	5	86				88	10	98
4:00 PM - 5:00 PM	21	1	22	200	14	214				221	15	236
5:00 PM - 6:00 PM	12	0	12	213	6	219				225	6	231
6:00 PM - 7:00 PM	8	0	8	86	3	89				94	3	97
PASSENGER	101 87.8%			1068 94.1%						1169 93.5%		
TRUCK	14 12.2%			67 5.9%						81 6.5%		
BOTH	115 9.2%			1135 90.8%						1250 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Pendleton Ave (SR 38) & Durbin Rd (#81)  
1/15/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0	3	1	4					0	10	4
SOUTHBOUND	3	14	11	28					3	5	10	18
EASTBOUND	8	160	0	168					9	226	0	235
WESTBOUND	1	214	3	218					0	171	2	173

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.50					0.50
SOUTHBOUND	0.50	0.85				0.75	0.96
EASTBOUND	0.93					0.86	
WESTBOUND	0.78					0.88	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%
SOUTHBOUND	33.3%	7.1%	0.0%	7.1%					0.0%	20.0%	0.0%	5.6%
EASTBOUND	0.0%	2.5%	0.0%	2.4%					0.0%	3.5%	0.0%	3.4%
WESTBOUND	0.0%	7.9%	0.0%	7.8%					0.0%	3.5%	0.0%	3.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	2	15	17	99	147	246	263
7:00 AM	TO	8:00 AM	4	28	32	168	218	386	418
8:00 AM	TO	9:00 AM	4	14	18	141	156	297	315
3:00 PM	TO	4:00 PM	4	7	11	84	51	135	146
4:00 PM	TO	5:00 PM	12	27	39	219	158	377	416
5:00 PM	TO	6:00 PM	10	13	23	217	179	396	419
6:00 PM	TO	7:00 PM	7	3	10	97	64	161	171
TOTAL VOLUME			43	107	150	1025	973	1998	2148
PERCENTAGE			2.0%	5.0%	7.0%	47.7%	45.3%	93.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Pendleton Ave (SR 38) & Durbin Rd (#81)  
1/15/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	2	0	2	0	0	0	2	0	2
7:00 AM - 8:00 AM	0	0	0	3	0	3	1	0	1	4	0	4
8:00 AM - 9:00 AM	1	0	1	1	0	1	2	0	2	4	0	4
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	2	1	3	1	0	1	3	1	4
4:00 PM - 5:00 PM	1	0	1	7	0	7	4	0	4	12	0	12
5:00 PM - 6:00 PM	0	0	0	7	0	7	3	0	3	10	0	10
6:00 PM - 7:00 PM	0	0	0	5	0	5	2	0	2	7	0	7
PASSENGER	2 100.0%			27 96.4%			13 100.0%			42 97.7%		
TRUCK	0 0.0%			1 3.6%			0 0.0%			1 2.3%		
BOTH	2 4.7%			28 65.1%			13 30.2%			43 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	1	2	10	0	10	3	0	3	14	1	15
7:00 AM - 8:00 AM	2	1	3	13	1	14	11	0	11	26	2	28
8:00 AM - 9:00 AM	1	1	2	7	1	8	2	2	4	10	4	14
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	1	0	1	4	1	5	6	1	7
4:00 PM - 5:00 PM	4	0	4	12	0	12	11	0	11	27	0	27
5:00 PM - 6:00 PM	2	0	2	1	1	2	9	0	9	12	1	13
6:00 PM - 7:00 PM	0	0	0	3	0	3	0	0	0	3	0	3
PASSENGER	11 78.6%			47 94.0%			40 93.0%			98 91.6%		
TRUCK	3 21.4%			3 6.0%			3 7.0%			9 8.4%		
BOTH	14 13.1%			50 46.7%			43 40.2%			107 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	1	2	92	3	95	0	2	2	93	6	99
7:00 AM - 8:00 AM	8	0	8	156	4	160	0	0	0	164	4	168
8:00 AM - 9:00 AM	7	1	8	118	15	133	0	0	0	125	16	141
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	0	6	76	1	77	1	0	1	83	1	84
4:00 PM - 5:00 PM	10	0	10	195	14	209	0	0	0	205	14	219
5:00 PM - 6:00 PM	9	1	10	201	6	207	0	0	0	210	7	217
6:00 PM - 7:00 PM	5	0	5	89	3	92	0	0	0	94	3	97
PASSENGER	46 93.9%			927 95.3%			1 33.3%			974 95.0%		
TRUCK	3 6.1%			46 4.7%			2 66.7%			51 5.0%		
BOTH	49 4.8%			973 94.9%			3 0.3%			1025 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	141	5	146	1	0	1	142	5	147
7:00 AM - 8:00 AM	1	0	1	197	17	214	3	0	3	201	17	218
8:00 AM - 9:00 AM	0	0	0	142	12	154	2	0	2	144	12	156
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	48	3	51	0	0	0	48	3	51
4:00 PM - 5:00 PM	0	0	0	152	6	158	0	0	0	152	6	158
5:00 PM - 6:00 PM	2	0	2	168	5	173	4	0	4	174	5	179
6:00 PM - 7:00 PM	0	0	0	62	2	64	0	0	0	62	2	64
PASSENGER	3 100.0%			910 94.8%			10 100.0%			923 94.9%		
TRUCK	0 0.0%			50 5.2%			0 0.0%			50 5.1%		
BOTH	3 0.3%			960 98.7%			10 1.0%			973 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 38 & Prairie Baptist Road (#82)  
11/7/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	3	9	1	13					6	37	12	55
SOUTHBOUND	3	37	2	42					6	23	4	33
EASTBOUND	3	210	2	215					9	365	2	376
WESTBOUND	0	216	5	221					5	243	4	252

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.46	0.92			0.72	0.88
SOUTHBOUND	0.81				0.63	
EASTBOUND	0.88				0.93	
WESTBOUND	0.80				0.78	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	33.3%	0.0%	0.0%	7.7%					16.7%	0.0%	0.0%	1.8%
SOUTHBOUND	0.0%	2.7%	0.0%	2.4%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	33.3%	6.2%	0.0%	6.5%					0.0%	4.1%	0.0%	4.0%
WESTBOUND	0.0%	7.9%	20.0%	8.1%					0.0%	1.6%	0.0%	1.6%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	9	41	50	98	164	262	312
7:00 AM	TO	8:00 AM	15	48	63	196	219	415	478
8:00 AM	TO	9:00 AM	12	29	41	180	178	358	399
3:00 PM	TO	4:00 PM	20	7	27	113	79	192	219
4:00 PM	TO	5:00 PM	65	30	95	309	222	531	626
5:00 PM	TO	6:00 PM	48	34	82	349	242	591	673
6:00 PM	TO	7:00 PM	26	12	38	100	88	188	226
TOTAL VOLUME			195	201	396	1345	1192	2537	2933
PERCENTAGE			6.6%	6.9%	13.5%	45.9%	40.6%	86.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 38 & Prairie Baptist Road (#82)  
11/7/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	2	3	5	0	5	0	1	1	6	3	9
7:00 AM - 8:00 AM	2	1	3	10	0	10	2	0	2	14	1	15
8:00 AM - 9:00 AM	1	0	1	8	2	10	1	0	1	10	2	12
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	17	0	17	1	1	2	19	1	20
4:00 PM - 5:00 PM	5	1	6	47	1	48	11	0	11	63	2	65
5:00 PM - 6:00 PM	5	1	6	33	0	33	8	1	9	46	2	48
6:00 PM - 7:00 PM	1	0	1	24	0	24	0	1	1	25	1	26
PASSENGER	16 76.2%			144 98.0%			23 85.2%			183 93.8%		
TRUCK	5 23.8%			3 2.0%			4 14.8%			12 6.2%		
BOTH	21 10.8%			147 75.4%			27 13.8%			195 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	36	0	36	2	0	2	41	0	41
7:00 AM - 8:00 AM	4	0	4	41	0	41	3	0	3	48	0	48
8:00 AM - 9:00 AM	1	0	1	26	1	27	0	1	1	27	2	29
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	1	2	4	1	5	0	0	0	5	2	7
4:00 PM - 5:00 PM	7	0	7	19	1	20	3	0	3	29	1	30
5:00 PM - 6:00 PM	5	0	5	24	1	25	4	0	4	33	1	34
6:00 PM - 7:00 PM	2	0	2	9	0	9	1	0	1	12	0	12
PASSENGER	23 95.8%			159 97.5%			13 92.9%			195 97.0%		
TRUCK	1 4.2%			4 2.5%			1 7.1%			6 3.0%		
BOTH	24 11.9%			163 81.1%			14 7.0%			201 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	91	5	96	1	1	2	92	6	98
7:00 AM - 8:00 AM	1	1	2	185	9	194	0	0	0	186	10	196
8:00 AM - 9:00 AM	4	0	4	160	14	174	2	0	2	166	14	180
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	98	11	109	1	0	1	102	11	113
4:00 PM - 5:00 PM	8	0	8	283	15	298	3	0	3	294	15	309
5:00 PM - 6:00 PM	5	0	5	329	14	343	1	0	1	335	14	349
6:00 PM - 7:00 PM	1	0	1	97	1	98	1	0	1	99	1	100
PASSENGER	22 95.7%			1243 94.7%			9 90.0%			1274 94.7%		
TRUCK	1 4.3%			69 5.3%			1 10.0%			71 5.3%		
BOTH	23 1.7%			1312 97.5%			10 0.7%			1345 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	148	12	160	2	0	2	152	12	164
7:00 AM - 8:00 AM	0	0	0	201	14	215	3	1	4	204	15	219
8:00 AM - 9:00 AM	1	0	1	152	23	175	2	0	2	155	23	178
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	74	5	79	0	0	0	74	5	79
4:00 PM - 5:00 PM	2	0	2	210	7	217	3	0	3	215	7	222
5:00 PM - 6:00 PM	4	0	4	226	9	235	3	0	3	233	9	242
6:00 PM - 7:00 PM	0	1	1	83	1	84	3	0	3	86	2	88
PASSENGER	9 90.0%			1094 93.9%			16 94.1%			1119 93.9%		
TRUCK	1 10.0%			71 6.1%			1 5.9%			73 6.1%		
BOTH	10 0.8%			1165 97.7%			17 1.4%			1192 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 Cyntheanne Rd. & Pendleton Ave. (SR 28) (#83)  
 6/19/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	12	10	2	24					11	17	3
SOUTHBOUND	5	14	2	21					3	12	1	16
EASTBOUND	1	189	3	193					4	272	14	290
WESTBOUND	0	198	0	198					4	230	2	236

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.60					0.70
SOUTHBOUND	0.53	0.85				0.50	0.96
EASTBOUND	0.88					0.95	
WESTBOUND	0.77					0.94	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	8.3%	0.0%	0.0%	4.2%					0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	14.3%	0.0%	9.5%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	2.6%	0.0%	2.6%					0.0%	2.2%	0.0%	2.1%
WESTBOUND	0.0%	7.6%	0.0%	7.6%					50.0%	0.9%	0.0%	1.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	7	16	23	91	168	259	282
7:00 AM	TO	8:00 AM	24	21	45	193	198	391	436
8:00 AM	TO	9:00 AM	24	5	29	119	160	279	308
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	12	3	15	106	87	193	208
4:00 PM	TO	5:00 PM	29	3	32	251	208	459	491
5:00 PM	TO	6:00 PM	31	16	47	290	236	526	573
6:00 PM	TO	7:00 PM	14	8	22	109	88	197	219
TOTAL VOLUME			141	72	213	1159	1145	2304	2517
PERCENTAGE			5.6%	2.9%	8.5%	46.0%	45.5%	91.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cynthianne Rd. & Pendleton Ave. (SR 38) (#83)  
6/19/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	2	0	2	0	0	0	7	0	7
7:00 AM - 8:00 AM	11	1	12	10	0	10	2	0	2	23	1	24
8:00 AM - 9:00 AM	15	0	15	8	0	8	1	0	1	24	0	24
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	4	0	4	6	0	6	2	0	2	12	0	12
4:00 PM - 5:00 PM	6	0	6	19	0	19	4	0	4	29	0	29
5:00 PM - 6:00 PM	11	0	11	17	0	17	3	0	3	31	0	31
6:00 PM - 7:00 PM	3	0	3	8	0	8	3	0	3	14	0	14
PASSENGER	55 98.2%			70 100.0%			15 100.0%			140 99.3%		
TRUCK	1 1.8%			0 0.0%			0 0.0%			1 0.7%		
BOTH	56 39.7%			70 49.6%			15 10.6%			141 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	12	0	12	2	0	2	16	0	16
7:00 AM - 8:00 AM	5	0	5	12	2	14	2	0	2	19	2	21
8:00 AM - 9:00 AM	1	0	1	3	0	3	1	0	1	5	0	5
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	2	0	2	1	0	1	3	0	3
4:00 PM - 5:00 PM	0	0	0	3	0	3	0	0	0	3	0	3
5:00 PM - 6:00 PM	3	0	3	12	0	12	1	0	1	16	0	16
6:00 PM - 7:00 PM	0	0	0	8	0	8	0	0	0	8	0	8
PASSENGER	11 100.0%			52 96.3%			7 100.0%			70 97.2%		
TRUCK	0 0.0%			2 3.7%			0 0.0%			2 2.8%		
BOTH	11 15.3%			54 75.0%			7 9.7%			72 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	86	3	89	2	0	2	88	3	91
7:00 AM - 8:00 AM	1	0	1	184	5	189	3	0	3	188	5	193
8:00 AM - 9:00 AM	0	0	0	105	8	113	5	1	6	110	9	119
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	98	2	100	5	1	6	103	3	106
4:00 PM - 5:00 PM	4	0	4	233	5	238	9	0	9	246	5	251
5:00 PM - 6:00 PM	4	0	4	266	6	272	14	0	14	284	6	290
6:00 PM - 7:00 PM	0	0	0	104	2	106	3	0	3	107	2	109
PASSENGER	9 100.0%			1076 97.2%			41 95.3%			1126 97.2%		
TRUCK	0 0.0%			31 2.8%			2 4.7%			33 2.8%		
BOTH	9 0.8%			1107 95.5%			43 3.7%			1159 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	156	8	164	2	0	2	160	8	168
7:00 AM - 8:00 AM	0	0	0	183	15	198	0	0	0	183	15	198
8:00 AM - 9:00 AM	0	0	0	156	3	159	1	0	1	157	3	160
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	1	2	82	3	85	0	0	0	83	4	87
4:00 PM - 5:00 PM	2	2	4	195	4	199	5	0	5	202	6	208
5:00 PM - 6:00 PM	2	2	4	228	2	230	2	0	2	232	4	236
6:00 PM - 7:00 PM	0	0	0	85	0	85	3	0	3	88	0	88
PASSENGER	7 58.3%			1085 96.9%			13 100.0%			1105 96.5%		
TRUCK	5 41.7%			35 3.1%			0 0.0%			40 3.5%		
BOTH	12 1.0%			1120 97.8%			13 1.1%			1145 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Atlantic Rd. & Pendleton Ave. (SR 38) (#84)  
6/15/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	0	2	2					0	2	4	6
SOUTHBOUND	6	2	2	10					1	2	4	7
EASTBOUND	1	187	0	188					2	261	1	264
WESTBOUND	0	203	4	207					2	218	11	231

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.50	0.87			0.75	0.94
SOUTHBOUND	0.83				0.58	
EASTBOUND	0.89				0.90	
WESTBOUND	0.82				0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	2.1%	0.0%	2.1%					0.0%	3.4%	0.0%	3.4%
WESTBOUND	0.0%	5.4%	0.0%	5.3%					0.0%	3.2%	0.0%	3.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	5	13	18	95	147	242	260
7:00 AM	TO	8:00 AM	2	10	12	188	207	395	407
8:00 AM	TO	9:00 AM	3	13	16	137	159	296	312
9:00 AM	TO	10:00 AM	0	0	0	1	0	1	1
3:00 PM	TO	4:00 PM	1	11	12	107	73	180	192
4:00 PM	TO	5:00 PM	6	5	11	247	196	443	454
5:00 PM	TO	6:00 PM	8	8	16	255	228	483	499
6:00 PM	TO	7:00 PM	4	4	8	115	95	210	218
TOTAL VOLUME			29	64	93	1145	1105	2250	2343
PERCENTAGE			1.2%	2.7%	4.0%	48.9%	47.2%	96.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Atlantic Rd. & Pendleton Ave. (SR 38) (#84)  
6/15/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	1	0	1	3	0	3	5	0	5
7:00 AM - 8:00 AM	0	0	0	0	0	0	2	0	2	2	0	2
8:00 AM - 9:00 AM	1	0	1	0	0	0	2	0	2	3	0	3
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	1	0	1	0	0	0	1	0	1
4:00 PM - 5:00 PM	1	0	1	4	0	4	1	0	1	6	0	6
5:00 PM - 6:00 PM	1	0	1	4	0	4	3	0	3	8	0	8
6:00 PM - 7:00 PM	2	0	2	1	0	1	1	0	1	4	0	4
PASSENGER	6 100.0%			11 100.0%			12 100.0%			29 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	6 20.7%			11 37.9%			12 41.4%			29 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	0	8	4	0	4	1	0	1	13	0	13
7:00 AM - 8:00 AM	6	0	6	2	0	2	2	0	2	10	0	10
8:00 AM - 9:00 AM	7	0	7	5	0	5	1	0	1	13	0	13
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	0	6	4	0	4	1	0	1	11	0	11
4:00 PM - 5:00 PM	0	0	0	3	0	3	2	0	2	5	0	5
5:00 PM - 6:00 PM	4	0	4	1	0	1	3	0	3	8	0	8
6:00 PM - 7:00 PM	3	0	3	1	0	1	0	0	0	4	0	4
PASSENGER	34 100.0%			20 100.0%			10 100.0%			64 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	34 53.1%			20 31.3%			10 15.6%			64 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	86	3	89	4	1	5	91	4	95
7:00 AM - 8:00 AM	1	0	1	183	4	187	0	0	0	184	4	188
8:00 AM - 9:00 AM	0	0	0	133	4	137	0	0	0	133	4	137
9:00 AM - 10:00 AM	0	0	0	1	0	1	0	0	0	1	0	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	1	1	99	4	103	3	0	3	102	5	107
4:00 PM - 5:00 PM	1	0	1	236	8	244	2	0	2	239	8	247
5:00 PM - 6:00 PM	1	0	1	243	10	253	1	0	1	245	10	255
6:00 PM - 7:00 PM	0	0	0	110	2	112	3	0	3	113	2	115
PASSENGER	4 80.0%			1091 96.9%			13 92.9%			1108 96.8%		
TRUCK	1 20.0%			35 3.1%			1 7.1%			37 3.2%		
BOTH	5 0.4%			1126 98.3%			14 1.2%			1145 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	140	4	144	2	0	2	143	4	147
7:00 AM - 8:00 AM	0	0	0	192	11	203	4	0	4	196	11	207
8:00 AM - 9:00 AM	2	0	2	152	3	155	2	0	2	156	3	159
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	67	4	71	0	0	0	69	4	73
4:00 PM - 5:00 PM	1	0	1	180	6	186	9	0	9	190	6	196
5:00 PM - 6:00 PM	2	0	2	213	5	218	8	0	8	223	5	228
6:00 PM - 7:00 PM	2	0	2	91	1	92	1	0	1	94	1	95
PASSENGER	10 100.0%			1035 96.8%			26 100.0%			1071 96.9%		
TRUCK	0 0.0%			34 3.2%			0 0.0%			34 3.1%		
BOTH	10 0.9%			1069 96.7%			26 2.4%			1105 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Cherry St & 10th St(#85)  
2/28/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	9	226	1	236					3	455	11	469
SOUTHBOUND	6	205	3	214					20	312	2	334
EASTBOUND	1	2	3	6					2	16	14	32
WESTBOUND	4	26	9	39					8	21	15	44

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.81	0.85			0.88	0.92
SOUTHBOUND	0.75				0.92	
EASTBOUND	0.38				0.62	
WESTBOUND	0.65				0.69	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	3.1%	100.0%	3.4%					0.0%	1.3%	0.0%	1.3%
SOUTHBOUND	0.0%	5.4%	0.0%	5.1%					0.0%	1.0%	0.0%	0.9%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	3.8%	0.0%	2.6%					0.0%	4.8%	0.0%	2.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	41	71	112	3	1	4	116
7:00 AM	TO	8:00 AM	211	208	419	8	39	47	466
8:00 AM	TO	9:00 AM	124	121	245	2	14	16	261
2:00 PM	TO	3:00 PM	360	281	641	27	38	65	706
3:00 PM	TO	4:00 PM	373	321	694	23	40	63	757
4:00 PM	TO	5:00 PM	402	328	730	20	49	69	799
5:00 PM	TO	6:00 PM	450	298	748	29	37	66	814
TOTAL VOLUME			1961	1628	3589	112	218	330	3919
PERCENTAGE			50.0%	41.5%	91.6%	2.9%	5.6%	8.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cherry St & 10th St(#85)  
2/28/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	37	2	39	1	0	1	39	2	41
7:00 AM - 8:00 AM	5	0	5	198	6	204	2	0	2	205	6	211
8:00 AM - 9:00 AM	5	0	5	111	7	118	0	1	1	116	8	124
PM TIME PERIOD												
2:00 PM - 3:00 PM	2	0	2	342	10	352	6	0	6	350	10	360
3:00 PM - 4:00 PM	8	0	8	340	15	355	8	2	10	356	17	373
4:00 PM - 5:00 PM	0	0	0	382	11	393	9	0	9	391	11	402
5:00 PM - 6:00 PM	3	0	3	431	5	436	11	0	11	445	5	450
PASSENGER	24 100.0%			1841 97.0%			37 92.5%			1902 97.0%		
TRUCK	0 0.0%			56 3.0%			3 7.5%			59 3.0%		
BOTH	24 1.2%			1897 96.7%			40 2.0%			1961 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	64	7	71	0	0	0	64	7	71
7:00 AM - 8:00 AM	4	1	5	190	8	198	4	1	5	198	10	208
8:00 AM - 9:00 AM	5	0	5	107	8	115	1	0	1	113	8	121
PM TIME PERIOD												
2:00 PM - 3:00 PM	10	1	11	249	16	265	5	0	5	264	17	281
3:00 PM - 4:00 PM	11	1	12	287	17	304	4	1	5	302	19	321
4:00 PM - 5:00 PM	16	0	16	303	5	308	4	0	4	323	5	328
5:00 PM - 6:00 PM	14	0	14	278	4	282	2	0	2	294	4	298
PASSENGER	60 95.2%			1478 95.8%			20 90.9%			1558 95.7%		
TRUCK	3 4.8%			65 4.2%			2 9.1%			70 4.3%		
BOTH	63 3.9%			1543 94.8%			22 1.4%			1628 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	1	0	1	2	0	2	3	0	3
7:00 AM - 8:00 AM	3	0	3	2	0	2	3	0	3	8	0	8
8:00 AM - 9:00 AM	0	0	0	1	0	1	1	0	1	2	0	2
PM TIME PERIOD												
2:00 PM - 3:00 PM	5	0	5	11	0	11	10	1	11	26	1	27
3:00 PM - 4:00 PM	4	0	4	12	1	13	6	0	6	22	1	23
4:00 PM - 5:00 PM	2	0	2	9	0	9	9	0	9	20	0	20
5:00 PM - 6:00 PM	1	0	1	16	0	16	12	0	12	29	0	29
PASSENGER	15 100.0%			52 98.1%			43 97.7%			110 98.2%		
TRUCK	0 0.0%			1 1.9%			1 2.3%			2 1.8%		
BOTH	15 13.4%			53 47.3%			44 39.3%			112 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	0	0	0	0	0	0	1	0	1
7:00 AM - 8:00 AM	7	0	7	22	1	23	9	0	9	38	1	39
8:00 AM - 9:00 AM	0	0	0	8	1	9	5	0	5	13	1	14
PM TIME PERIOD												
2:00 PM - 3:00 PM	8	0	8	14	0	14	15	1	16	37	1	38
3:00 PM - 4:00 PM	5	1	6	18	1	19	15	0	15	38	2	40
4:00 PM - 5:00 PM	10	0	10	19	1	20	19	0	19	48	1	49
5:00 PM - 6:00 PM	7	0	7	16	0	16	14	0	14	37	0	37
PASSENGER	38 97.4%			97 96.0%			77 98.7%			212 97.2%		
TRUCK	1 2.6%			4 4.0%			1 1.3%			6 2.8%		
BOTH	39 17.9%			101 46.3%			78 35.8%			218 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Cherry St & 16th St(#86)  
2/27/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	1	12	0	13					0	22	1	23
SOUTHBOUND	21	17	7	45					33	12	7	52
EASTBOUND	0	9	1	10					4	40	0	44
WESTBOUND	0	24	4	28					1	47	23	71

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.46	0.89			0.64	0.91
SOUTHBOUND	0.87				0.65	
EASTBOUND	0.50				0.69	
WESTBOUND	0.44				0.71	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	100.0%	25.0%	0.0%	30.8%					0.0%	4.5%	0.0%	4.3%
SOUTHBOUND	0.0%	11.8%	0.0%	4.4%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	4.2%	0.0%	3.6%					0.0%	2.1%	0.0%	1.4%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	2	3	5	5	3	8	13
7:00 AM	TO	8:00 AM	13	45	58	10	28	38	96
8:00 AM	TO	9:00 AM	2	10	12	6	15	21	33
2:00 PM	TO	3:00 PM	10	41	51	28	54	82	133
3:00 PM	TO	4:00 PM	4	28	32	37	66	103	135
4:00 PM	TO	5:00 PM	26	43	69	35	74	109	178
5:00 PM	TO	6:00 PM	14	57	71	37	65	102	173
TOTAL VOLUME			71	227	298	158	305	463	761
PERCENTAGE			9.3%	29.8%	39.2%	20.8%	40.1%	60.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cherry St & 16th St(#86)  
2/27/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	1	1	2	0	0	0	1	1	2
7:00 AM - 8:00 AM	0	1	1	9	3	12	0	0	0	9	4	13
8:00 AM - 9:00 AM	0	0	0	2	0	2	0	0	0	2	0	2
PM TIME PERIOD												
2:00 PM - 3:00 PM	1	0	1	8	1	9	0	0	0	9	1	10
3:00 PM - 4:00 PM	0	0	0	4	0	4	0	0	0	4	0	4
4:00 PM - 5:00 PM	0	0	0	23	3	26	0	0	0	23	3	26
5:00 PM - 6:00 PM	0	0	0	11	0	11	3	0	3	14	0	14
PASSENGER	1 50.0%			58 87.9%			3 100.0%			62 87.3%		
TRUCK	1 50.0%			8 12.1%			0 0.0%			9 12.7%		
BOTH	2 2.8%			66 93.0%			3 4.2%			71 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	0	0	0	2	0	2	3	0	3
7:00 AM - 8:00 AM	21	0	21	15	2	17	7	0	7	43	2	45
8:00 AM - 9:00 AM	4	0	4	5	0	5	1	0	1	10	0	10
PM TIME PERIOD												
2:00 PM - 3:00 PM	24	0	24	9	0	9	8	0	8	41	0	41
3:00 PM - 4:00 PM	13	0	13	9	2	11	4	0	4	26	2	28
4:00 PM - 5:00 PM	26	0	26	10	0	10	7	0	7	43	0	43
5:00 PM - 6:00 PM	40	0	40	10	0	10	7	0	7	57	0	57
PASSENGER	129 100.0%			58 93.5%			36 100.0%			223 98.2%		
TRUCK	0 0.0%			4 6.5%			0 0.0%			4 1.8%		
BOTH	129 56.8%			62 27.3%			36 15.9%			227 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	4	0	4	0	0	0	5	0	5
7:00 AM - 8:00 AM	0	0	0	9	0	9	1	0	1	10	0	10
8:00 AM - 9:00 AM	0	0	0	4	2	6	0	0	0	4	2	6
PM TIME PERIOD												
2:00 PM - 3:00 PM	5	0	5	22	1	23	0	0	0	27	1	28
3:00 PM - 4:00 PM	3	2	5	30	2	32	0	0	0	33	4	37
4:00 PM - 5:00 PM	4	0	4	31	0	31	0	0	0	35	0	35
5:00 PM - 6:00 PM	2	0	2	35	0	35	0	0	0	37	0	37
PASSENGER	15 88.2%			135 96.4%			1 100.0%			151 95.6%		
TRUCK	2 11.8%			5 3.6%			0 0.0%			7 4.4%		
BOTH	17 10.8%			140 88.6%			1 0.6%			158 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	2	0	2	1	0	1	3	0	3
7:00 AM - 8:00 AM	0	0	0	23	1	24	4	0	4	27	1	28
8:00 AM - 9:00 AM	0	0	0	11	1	12	3	0	3	14	1	15
PM TIME PERIOD												
2:00 PM - 3:00 PM	1	0	1	40	1	41	12	0	12	53	1	54
3:00 PM - 4:00 PM	4	0	4	42	1	43	19	0	19	65	1	66
4:00 PM - 5:00 PM	2	0	2	49	2	51	21	0	21	72	2	74
5:00 PM - 6:00 PM	1	0	1	46	0	46	18	0	18	65	0	65
PASSENGER	8 100.0%			213 97.3%			78 100.0%			299 98.0%		
TRUCK	0 0.0%			6 2.7%			0 0.0%			6 2.0%		
BOTH	8 2.6%			219 71.8%			78 25.6%			305 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
Cherry St & 19th St (#87)  
3/27/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	5	64	40	109					15	139	44
SOUTHBOUND	15	60	6	81					62	82	3	147
EASTBOUND	5	36	6	47					6	66	20	92
WESTBOUND	29	35	32	96					38	63	56	157

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.45					0.71
SOUTHBOUND	0.84	0.72				0.88	0.92
EASTBOUND	0.62					0.85	
WESTBOUND	0.80					0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	1.6%	0.0%	0.9%					0.0%	0.0%	2.3%
SOUTHBOUND	0.0%	5.0%	33.3%	6.2%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	8.3%	0.0%	6.4%					0.0%	1.5%	5.0%	2.2%
WESTBOUND	3.4%	8.6%	6.3%	6.3%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	8	26	34	20	18	38	72
7:00 AM	TO	8:00 AM	117	71	188	47	86	133	321
8:00 AM	TO	9:00 AM	29	43	72	13	49	62	134
2:00 PM	TO	3:00 PM	175	130	305	64	137	201	506
3:00 PM	TO	4:00 PM	160	112	272	77	144	221	493
4:00 PM	TO	5:00 PM	190	127	317	82	159	241	558
5:00 PM	TO	6:00 PM	188	118	306	80	168	248	554
TOTAL VOLUME			1034	767	1801	463	914	1377	3178
PERCENTAGE			32.5%	24.1%	56.7%	14.6%	28.8%	43.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Cherry St & 19th St (#87)  
3/27/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	7	0	7	1	0	1	8	0	8
7:00 AM - 8:00 AM	5	0	5	65	1	66	46	0	46	116	1	117
8:00 AM - 9:00 AM	0	0	0	20	1	21	8	0	8	28	1	29
PM TIME PERIOD												
2:00 PM - 3:00 PM	11	1	12	135	0	135	28	0	28	174	1	175
3:00 PM - 4:00 PM	9	0	9	118	2	120	29	2	31	156	4	160
4:00 PM - 5:00 PM	11	1	12	133	2	135	41	2	43	185	5	190
5:00 PM - 6:00 PM	14	0	14	136	0	136	37	1	38	187	1	188
PASSENGER	55 96.5%			706 97.8%			245 96.1%			1006 97.3%		
TRUCK	2 3.5%			16 2.2%			10 3.9%			28 2.7%		
BOTH	57 5.5%			722 69.8%			255 24.7%			1034 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	0	8	18	0	18	0	0	0	26	0	26
7:00 AM - 8:00 AM	12	0	12	56	2	58	1	0	1	69	2	71
8:00 AM - 9:00 AM	13	0	13	22	3	25	3	2	5	38	5	43
PM TIME PERIOD												
2:00 PM - 3:00 PM	29	0	29	93	2	95	6	0	6	128	2	130
3:00 PM - 4:00 PM	18	1	19	86	3	89	3	1	4	107	5	112
4:00 PM - 5:00 PM	44	0	44	81	0	81	2	0	2	127	0	127
5:00 PM - 6:00 PM	51	0	51	61	0	61	6	0	6	118	0	118
PASSENGER	208 99.5%			513 97.2%			25 83.3%			746 97.3%		
TRUCK	1 0.5%			15 2.8%			5 16.7%			21 2.7%		
BOTH	209 27.2%			528 68.8%			30 3.9%			767 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	12	0	12	4	0	4	20	0	20
7:00 AM - 8:00 AM	5	0	5	34	2	36	6	0	6	45	2	47
8:00 AM - 9:00 AM	2	1	3	7	2	9	1	0	1	10	3	13
PM TIME PERIOD												
2:00 PM - 3:00 PM	6	0	6	44	3	47	11	0	11	61	3	64
3:00 PM - 4:00 PM	5	1	6	59	2	61	10	0	10	74	3	77
4:00 PM - 5:00 PM	7	0	7	60	2	62	12	1	13	79	3	82
5:00 PM - 6:00 PM	3	0	3	62	2	64	13	0	13	78	2	80
PASSENGER	43 93.5%			331 95.1%			68 98.6%			442 95.5%		
TRUCK	3 6.5%			17 4.9%			1 1.4%			21 4.5%		
BOTH	46 9.9%			348 75.2%			69 14.9%			463 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	4	0	4	8	0	8	18	0	18
7:00 AM - 8:00 AM	29	1	30	30	2	32	23	1	24	82	4	86
8:00 AM - 9:00 AM	9	1	10	13	2	15	23	1	24	45	4	49
PM TIME PERIOD												
2:00 PM - 3:00 PM	28	1	29	56	2	58	50	0	50	134	3	137
3:00 PM - 4:00 PM	30	4	34	61	1	62	47	1	48	138	6	144
4:00 PM - 5:00 PM	39	0	39	67	0	67	53	0	53	159	0	159
5:00 PM - 6:00 PM	26	0	26	74	1	75	67	0	67	167	1	168
PASSENGER	211 95.9%			352 96.7%			325 98.5%			888 97.2%		
TRUCK	9 4.1%			12 3.3%			5 1.5%			26 2.8%		
BOTH	220 24.1%			364 39.8%			330 36.1%			914 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Cumberland Rd & Cherry St(#88)  
 2/26/2013  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	69		69	138					0		6
EASTBOUND	65	29		94					215	95		310
WESTBOUND		57	175	232						108	183	291

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	SOUTHBOUND	0.73				0.75
EASTBOUND	0.59	0.74			0.88	0.90
WESTBOUND	0.69				0.92	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	0.0%		1.4%	0.7%					0.0%		50.0%
EASTBOUND	3.1%	3.4%		3.2%					0.9%	0.0%		0.6%
WESTBOUND		0.0%	4.0%	3.0%						0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		20	20	29	43	72	92
7:00 AM	TO	8:00 AM		138	138	94	232	326	464
8:00 AM	TO	9:00 AM		50	50	37	73	110	160
2:00 PM	TO	3:00 PM		57	57	182	211	393	450
3:00 PM	TO	4:00 PM		6	6	229	199	428	434
4:00 PM	TO	5:00 PM		4	4	270	231	501	505
5:00 PM	TO	6:00 PM		4	4	314	281	595	599
TOTAL VOLUME				279	279	1155	1270	2425	2704
PERCENTAGE				10.3%	10.3%	42.7%	47.0%	89.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cumberland Rd & Cherry St(#88)  
2/26/2013

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	12	0	12				8	0	8	20	0	20
7:00 AM - 8:00 AM	69	0	69				68	1	69	137	1	138
8:00 AM - 9:00 AM	24	0	24				26	0	26	50	0	50
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	22	2	24				33	0	33	55	2	57
3:00 PM - 4:00 PM	2	2	4				1	1	2	3	3	6
4:00 PM - 5:00 PM	1	1	2				1	1	2	2	2	4
5:00 PM - 6:00 PM	0	0	0				2	2	4	2	2	4
<b>PASSENGER</b>	130 96.3%						139 96.5%			269 96.4%		
<b>TRUCK</b>	5 3.7%						5 3.5%			10 3.6%		
<b>BOTH</b>	135 48.4%						144 51.6%			279 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	12	1	13	16	0	16				28	1	29
7:00 AM - 8:00 AM	63	2	65	28	1	29				91	3	94
8:00 AM - 9:00 AM	23	1	24	12	1	13				35	2	37
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	132	4	136	44	2	46				176	6	182
3:00 PM - 4:00 PM	147	3	150	79	0	79				226	3	229
4:00 PM - 5:00 PM	198	2	200	70	0	70				268	2	270
5:00 PM - 6:00 PM	207	1	208	106	0	106				313	1	314
<b>PASSENGER</b>	782 98.2%			355 98.9%						1137 98.4%		
<b>TRUCK</b>	14 1.8%			4 1.1%						18 1.6%		
<b>BOTH</b>	796 68.9%			359 31.1%						1155 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				16	0	16	26	1	27	42	1	43
7:00 AM - 8:00 AM				57	0	57	168	7	175	225	7	232
8:00 AM - 9:00 AM				29	3	32	41	0	41	70	3	73
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				76	4	80	129	2	131	205	6	211
3:00 PM - 4:00 PM				71	2	73	116	10	126	187	12	199
4:00 PM - 5:00 PM				77	2	79	145	7	152	222	9	231
5:00 PM - 6:00 PM				103	0	103	178	0	178	281	0	281
<b>PASSENGER</b>				429 97.5%			803 96.7%			1232 97.0%		
<b>TRUCK</b>				11 2.5%			27 3.3%			38 3.0%		
<b>BOTH</b>				440 34.6%			830 65.4%			1270 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
Cherry St & SR 37 (#89)  
3/13/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	213	622		835					252	1547	
SOUTHBOUND		1462	31	1493						1076	30	1106
EASTBOUND	4		82	86					23		189	212

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.91					0.93
SOUTHBOUND	0.94	0.98				0.87	0.90
EASTBOUND	0.69					0.80	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	3.8%	5.0%		4.7%					1.2%	2.1%	
SOUTHBOUND		3.6%	0.0%	3.5%						2.5%	3.3%	2.5%
EASTBOUND	0.0%		0.0%	0.0%					0.0%		1.1%	0.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	229	660	889	22		22	911
7:00 AM	TO	8:00 AM	835	1493	2328	86		86	2414
8:00 AM	TO	9:00 AM	329	718	1047	18		18	1065
2:00 PM	TO	3:00 PM	1116	947	2063	168		168	2231
3:00 PM	TO	4:00 PM	1275	1089	2364	209		209	2573
4:00 PM	TO	5:00 PM	1581	1051	2632	211		211	2843
5:00 PM	TO	6:00 PM	1773	1100	2873	210		210	3083
TOTAL VOLUME			7138	7058	14196	924		924	15120
PERCENTAGE			47.2%	46.7%	93.9%	6.1%		6.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Cherry St & SR 37 (#89)  
3/13/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	31	1	32	186	11	197				217	12	229
7:00 AM - 8:00 AM	205	8	213	591	31	622				796	39	835
8:00 AM - 9:00 AM	60	2	62	243	24	267				303	26	329
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	195	2	197	867	52	919				1062	54	1116
3:00 PM - 4:00 PM	196	13	209	1015	51	1066				1211	64	1275
4:00 PM - 5:00 PM	231	6	237	1303	41	1344				1534	47	1581
5:00 PM - 6:00 PM	252	4	256	1487	30	1517				1739	34	1773
<b>PASSENGER</b>	1170 97.0%			5692 96.0%						6862 96.1%		
<b>TRUCK</b>	36 3.0%			240 4.0%						276 3.9%		
<b>BOTH</b>	1206 16.9%			5932 83.1%						7138 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				627	31	658	2	0	2	629	31	660
7:00 AM - 8:00 AM				1409	53	1462	31	0	31	1440	53	1493
8:00 AM - 9:00 AM				668	34	702	15	1	16	683	35	718
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				858	74	932	15	0	15	873	74	947
3:00 PM - 4:00 PM				1004	55	1059	28	2	30	1032	57	1089
4:00 PM - 5:00 PM				985	45	1030	19	2	21	1004	47	1051
5:00 PM - 6:00 PM				1050	23	1073	26	1	27	1076	24	1100
<b>PASSENGER</b>				6601 95.4%			136 95.8%			6737 95.5%		
<b>TRUCK</b>				315 4.6%			6 4.2%			321 4.5%		
<b>BOTH</b>				6916 98.0%			142 2.0%			7058 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	0	2				19	1	20	21	1	22
7:00 AM - 8:00 AM	4	0	4				82	0	82	86	0	86
8:00 AM - 9:00 AM	0	0	0				18	0	18	18	0	18
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	8	1	9				156	3	159	164	4	168
3:00 PM - 4:00 PM	15	0	15				190	4	194	205	4	209
4:00 PM - 5:00 PM	26	0	26				182	3	185	208	3	211
5:00 PM - 6:00 PM	16	0	16				191	3	194	207	3	210
<b>PASSENGER</b>	71 98.6%						838 98.4%			909 98.4%		
<b>TRUCK</b>	1 1.4%						14 1.6%			15 1.6%		
<b>BOTH</b>	72 7.8%						852 92.2%			924 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Middletown Ave & Pennington Rd (#90)  
 1/11/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 3:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	8		13	21					1		3
EASTBOUND	2	47		49					9	49		58
WESTBOUND		46	0	46						54	2	56

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	SOUTHBOUND	0.66					0.50
EASTBOUND	0.72	0.81				0.91	0.80
WESTBOUND	0.68					0.67	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	12.5%		15.4%	14.3%					0.0%		0.0%
EASTBOUND	0.0%	4.3%		4.1%					11.1%	12.2%		12.1%
WESTBOUND		10.9%	0.0%	10.9%						14.8%	0.0%	14.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		12	12	20	27	47	59
7:00 AM	TO	8:00 AM		21	21	49	46	95	116
8:00 AM	TO	9:00 AM		12	12	40	42	82	94
3:00 PM	TO	4:00 PM		1	1	32	37	69	70
4:00 PM	TO	5:00 PM		5	5	56	44	100	105
5:00 PM	TO	6:00 PM		7	7	57	41	98	105
6:00 PM	TO	7:00 PM		1	1	19	20	39	40
TOTAL VOLUME				59	59	273	257	530	589
PERCENTAGE				10.0%	10.0%	46.3%	43.6%	90.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Middletown Ave & Pennington Rd (#90)  
1/11/2013

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	6	0	6				6	0	6	12	0	12
7:00 AM - 8:00 AM	7	1	8				11	2	13	18	3	21
8:00 AM - 9:00 AM	2	0	2				10	0	10	12	0	12
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0				1	0	1	1	0	1
4:00 PM - 5:00 PM	1	0	1				4	0	4	5	0	5
5:00 PM - 6:00 PM	2	0	2				5	0	5	7	0	7
6:00 PM - 7:00 PM	0	0	0				1	0	1	1	0	1
<b>PASSENGER</b>	18 94.7%						38 95.0%			56 94.9%		
<b>TRUCK</b>	1 5.3%						2 5.0%			3 5.1%		
<b>BOTH</b>	19 32.2%						40 67.8%			59 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1	18	1	19				19	1	20
7:00 AM - 8:00 AM	2	0	2	45	2	47				47	2	49
8:00 AM - 9:00 AM	4	0	4	28	8	36				32	8	40
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	5	1	6	23	3	26				28	4	32
4:00 PM - 5:00 PM	6	0	6	47	3	50				53	3	56
5:00 PM - 6:00 PM	11	0	11	45	1	46				56	1	57
6:00 PM - 7:00 PM	4	1	5	14	0	14				18	1	19
<b>PASSENGER</b>	33 94.3%			220 92.4%						253 92.7%		
<b>TRUCK</b>	2 5.7%			18 7.6%						20 7.3%		
<b>BOTH</b>	35 12.8%			238 87.2%						273 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				26	0	26	1	0	1	27	0	27
7:00 AM - 8:00 AM				41	5	46	0	0	0	41	5	46
8:00 AM - 9:00 AM				34	8	42	0	0	0	34	8	42
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				27	8	35	2	0	2	29	8	37
4:00 PM - 5:00 PM				42	0	42	2	0	2	44	0	44
5:00 PM - 6:00 PM				38	0	38	3	0	3	41	0	41
6:00 PM - 7:00 PM				20	0	20	0	0	0	20	0	20
<b>PASSENGER</b>				228 91.6%			8 100.0%			236 91.8%		
<b>TRUCK</b>				21 8.4%			0 0.0%			21 8.2%		
<b>BOTH</b>				249 96.9%			8 3.1%			257 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Middletown Ave & Mystic Rd (#91)  
 1/11/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 3:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1		0	1					2		1
EASTBOUND		46	9	55						46	0	46
WESTBOUND	1	45		46					1	56		57

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.25	0.77			0.25
EASTBOUND	0.86				0.82	
WESTBOUND	0.64				0.71	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	100.0%		0.0%	100.0%					0.0%		100.0%
EASTBOUND		4.3%	11.1%	5.5%						10.9%	0.0%	10.9%
WESTBOUND	0.0%	8.9%		8.7%					0.0%	14.3%		14.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	2		2	22	16	38	40
7:00 AM	TO	8:00 AM	1		1	55	46	101	102
8:00 AM	TO	9:00 AM	1		1	36	44	80	81
3:00 PM	TO	4:00 PM	3		3	23	36	59	62
4:00 PM	TO	5:00 PM	5		5	47	43	90	95
5:00 PM	TO	6:00 PM	7		7	46	37	83	90
6:00 PM	TO	7:00 PM	1		1	14	18	32	33
TOTAL VOLUME			20		20	243	240	483	503
PERCENTAGE			4.0%		4.0%	48.3%	47.7%	96.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Middletown Ave & Mystic Rd (#91)  
1/11/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2				0	0	0	2	0	2
7:00 AM - 8:00 AM	0	1	1				0	0	0	0	1	1
8:00 AM - 9:00 AM	0	0	0				1	0	1	1	0	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2				0	1	1	2	1	3
4:00 PM - 5:00 PM	3	0	3				1	1	2	4	1	5
5:00 PM - 6:00 PM	4	0	4				3	0	3	7	0	7
6:00 PM - 7:00 PM	0	0	0				1	0	1	1	0	1
PASSENGER	11 91.7%						6 75.0%			17 85.0%		
TRUCK	1 8.3%						2 25.0%			3 15.0%		
BOTH	12 60.0%						8 40.0%			20 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				15	1	16	6	0	6	21	1	22
7:00 AM - 8:00 AM				44	2	46	8	1	9	52	3	55
8:00 AM - 9:00 AM				26	8	34	2	0	2	28	8	36
PM TIME PERIOD												
3:00 PM - 4:00 PM				21	2	23	0	0	0	21	2	23
4:00 PM - 5:00 PM				44	3	47	0	0	0	44	3	47
5:00 PM - 6:00 PM				43	1	44	2	0	2	45	1	46
6:00 PM - 7:00 PM				14	0	14	0	0	0	14	0	14
PASSENGER				207 92.4%			18 94.7%			225 92.6%		
TRUCK				17 7.6%			1 5.3%			18 7.4%		
BOTH				224 92.2%			19 7.8%			243 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1	15	0	15				15	1	16
7:00 AM - 8:00 AM	1	0	1	41	4	45				42	4	46
8:00 AM - 9:00 AM	0	2	2	34	8	42				34	10	44
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	28	8	36				28	8	36
4:00 PM - 5:00 PM	1	0	1	42	0	42				43	0	43
5:00 PM - 6:00 PM	0	0	0	37	0	37				37	0	37
6:00 PM - 7:00 PM	0	0	0	18	0	18				18	0	18
PASSENGER	2 40.0%			215 91.5%						217 90.4%		
TRUCK	3 60.0%			20 8.5%						23 9.6%		
BOTH	5 2.1%			235 97.9%						240 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Middletown Ave & Durbin Rd (#92)  
1/15/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 8:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 3:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	15	2	17					0	12	1	13
SOUTHBOUND	2	13	25	40					1	27	34	62
EASTBOUND	39	11	0	50					19	35	0	54
WESTBOUND	5	20	2	27					2	13	2	17

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.61	0.63			0.46	0.66
SOUTHBOUND	0.38				0.60	
EASTBOUND	0.74				0.84	
WESTBOUND	0.68				0.71	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	13.3%	50.0%	17.6%					0.0%	25.0%	0.0%	23.1%
SOUTHBOUND	50.0%	38.5%	36.0%	37.5%					100.0%	11.1%	23.5%	19.4%
EASTBOUND	23.1%	0.0%	0.0%	18.0%					36.8%	5.7%	0.0%	16.7%
WESTBOUND	0.0%	5.0%	50.0%	7.4%					0.0%	0.0%	50.0%	5.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	5	23	28	18	24	42	70
7:00 AM	TO	8:00 AM	12	43	55	48	29	77	132
8:00 AM	TO	9:00 AM	17	40	57	50	27	77	134
3:00 PM	TO	4:00 PM	11	39	50	24	10	34	84
4:00 PM	TO	5:00 PM	17	40	57	51	17	68	125
5:00 PM	TO	6:00 PM	21	37	58	52	19	71	129
6:00 PM	TO	7:00 PM	8	7	15	22	7	29	44
TOTAL VOLUME			91	229	320	265	133	398	718
PERCENTAGE			12.7%	31.9%	44.6%	36.9%	18.5%	55.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Middletown Ave & Durbin Rd (#92)  
1/15/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	3	1	4	1	0	1	4	1	5
7:00 AM - 8:00 AM	1	0	1	10	1	11	0	0	0	11	1	12
8:00 AM - 9:00 AM	0	0	0	13	2	15	1	1	2	14	3	17
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	7	3	10	1	0	1	8	3	11
4:00 PM - 5:00 PM	0	0	0	15	0	15	2	0	2	17	0	17
5:00 PM - 6:00 PM	0	0	0	17	1	18	3	0	3	20	1	21
6:00 PM - 7:00 PM	0	0	0	6	1	7	1	0	1	7	1	8
PASSENGER	1 100.0%			71 88.8%			9 90.0%			81 89.0%		
TRUCK	0 0.0%			9 11.3%			1 10.0%			10 11.0%		
BOTH	1 1.1%			80 87.9%			10 11.0%			91 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	10	0	10	12	1	13	22	1	23
7:00 AM - 8:00 AM	1	0	1	23	2	25	13	4	17	37	6	43
8:00 AM - 9:00 AM	1	1	2	8	5	13	16	9	25	25	15	40
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	1	1	12	2	14	16	8	24	28	11	39
4:00 PM - 5:00 PM	0	0	0	19	2	21	19	0	19	38	2	40
5:00 PM - 6:00 PM	1	0	1	13	1	14	22	0	22	36	1	37
6:00 PM - 7:00 PM	1	0	1	1	0	1	5	0	5	7	0	7
PASSENGER	4 66.7%			86 87.8%			103 82.4%			193 84.3%		
TRUCK	2 33.3%			12 12.2%			22 17.6%			36 15.7%		
BOTH	6 2.6%			98 42.8%			125 54.6%			229 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	9	1	10	8	0	8	0	0	0	17	1	18
7:00 AM - 8:00 AM	32	1	33	15	0	15	0	0	0	47	1	48
8:00 AM - 9:00 AM	30	9	39	11	0	11	0	0	0	41	9	50
PM TIME PERIOD												
3:00 PM - 4:00 PM	7	6	13	11	0	11	0	0	0	18	6	24
4:00 PM - 5:00 PM	9	1	10	38	2	40	1	0	1	48	3	51
5:00 PM - 6:00 PM	15	0	15	36	1	37	0	0	0	51	1	52
6:00 PM - 7:00 PM	10	0	10	12	0	12	0	0	0	22	0	22
PASSENGER	112 86.2%			131 97.8%			1 100.0%			244 92.1%		
TRUCK	18 13.8%			3 2.2%			0 0.0%			21 7.9%		
BOTH	130 49.1%			134 50.6%			1 0.4%			265 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	18	0	18	4	0	4	24	0	24
7:00 AM - 8:00 AM	1	0	1	26	1	27	1	0	1	28	1	29
8:00 AM - 9:00 AM	5	0	5	19	1	20	1	1	2	25	2	27
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	7	0	7	0	1	1	9	1	10
4:00 PM - 5:00 PM	1	0	1	13	0	13	3	0	3	17	0	17
5:00 PM - 6:00 PM	0	0	0	16	0	16	3	0	3	19	0	19
6:00 PM - 7:00 PM	0	0	0	7	0	7	0	0	0	7	0	7
PASSENGER	11 100.0%			106 98.1%			12 85.7%			129 97.0%		
TRUCK	0 0.0%			2 1.9%			2 14.3%			4 3.0%		
BOTH	11 8.3%			108 81.2%			14 10.5%			133 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Middletown Ave & Prairie Baptist Rd (#93)  
11/8/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	3	13	5	21					2	50	8	60
SOUTHBOUND	2	42	4	48					3	21	2	26
EASTBOUND	2	2	7	11					9	88	1	98
WESTBOUND	8	34	4	46					4	34	0	38

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.66	0.93			0.75	0.85
SOUTHBOUND	0.80				0.81	
EASTBOUND	0.69				0.74	
WESTBOUND	0.82				0.79	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	33.3%	15.4%	0.0%	14.3%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	50.0%	7.1%	0.0%	8.3%					0.0%	4.8%	0.0%	3.8%
EASTBOUND	50.0%	50.0%	0.0%	18.2%					11.1%	2.3%	0.0%	3.1%
WESTBOUND	0.0%	5.9%	25.0%	6.5%					25.0%	0.0%	0.0%	2.6%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	13	34	47	7	30	37	84
7:00 AM	TO	8:00 AM	20	48	68	10	46	56	124
8:00 AM	TO	9:00 AM	21	22	43	6	23	29	72
3:00 PM	TO	4:00 PM	18	14	32	25	16	41	73
4:00 PM	TO	5:00 PM	61	20	81	75	25	100	181
5:00 PM	TO	6:00 PM	50	29	79	97	35	132	211
6:00 PM	TO	7:00 PM	17	11	28	30	9	39	67
TOTAL VOLUME			200	178	378	250	184	434	812
PERCENTAGE			24.6%	21.9%	46.6%	30.8%	22.7%	53.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Middletown Ave & Prairie Baptist Rd (#93)  
11/8/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	8	2	10	1	0	1	11	2	13
7:00 AM - 8:00 AM	1	1	2	13	0	13	5	0	5	19	1	20
8:00 AM - 9:00 AM	1	1	2	14	2	16	1	2	3	16	5	21
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	16	0	16	2	0	2	18	0	18
4:00 PM - 5:00 PM	1	0	1	46	0	46	12	2	14	59	2	61
5:00 PM - 6:00 PM	2	0	2	41	0	41	7	0	7	50	0	50
6:00 PM - 7:00 PM	1	0	1	14	0	14	2	0	2	17	0	17
PASSENGER	8 80.0%			152 97.4%			30 88.2%			190 95.0%		
TRUCK	2 20.0%			4 2.6%			11.8%			10 5.0%		
BOTH	10 5.0%			156 78.0%			34 17.0%			200 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	32	1	33	1	0	1	33	1	34
7:00 AM - 8:00 AM	1	1	2	37	4	41	4	1	5	42	6	48
8:00 AM - 9:00 AM	4	0	4	13	1	14	4	0	4	21	1	22
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	2	2	8	0	8	4	0	4	12	2	14
4:00 PM - 5:00 PM	1	0	1	16	1	17	2	0	2	19	1	20
5:00 PM - 6:00 PM	5	0	5	23	1	24	0	0	0	28	1	29
6:00 PM - 7:00 PM	0	0	0	9	0	9	2	0	2	11	0	11
PASSENGER	11 78.6%			138 94.5%			17 94.4%			166 93.3%		
TRUCK	3 21.4%			8 5.5%			1 5.6%			12 6.7%		
BOTH	14 7.9%			146 82.0%			18 10.1%			178 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	3	0	3	1	0	1	7	0	7
7:00 AM - 8:00 AM	0	1	1	1	1	2	6	1	7	7	3	10
8:00 AM - 9:00 AM	1	0	1	4	0	4	0	1	1	5	1	6
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	20	2	22	1	1	2	22	3	25
4:00 PM - 5:00 PM	6	1	7	65	1	66	2	0	2	73	2	75
5:00 PM - 6:00 PM	6	1	7	87	2	89	1	0	1	94	3	97
6:00 PM - 7:00 PM	2	1	3	26	1	27	0	0	0	28	2	30
PASSENGER	19 82.6%			206 96.7%			11 78.6%			236 94.4%		
TRUCK	4 17.4%			7 3.3%			3 21.4%			14 5.6%		
BOTH	23 9.2%			213 85.2%			14 5.6%			250 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	24	0	24	0	1	1	29	1	30
7:00 AM - 8:00 AM	9	0	9	31	2	33	4	0	4	44	2	46
8:00 AM - 9:00 AM	5	1	6	14	2	16	1	0	1	20	3	23
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	12	1	13	0	0	0	15	1	16
4:00 PM - 5:00 PM	2	0	2	22	0	22	1	0	1	25	0	25
5:00 PM - 6:00 PM	2	1	3	32	0	32	0	0	0	34	1	35
6:00 PM - 7:00 PM	2	0	2	6	0	6	0	1	1	8	1	9
PASSENGER	28 93.3%			141 96.6%			6 75.0%			175 95.1%		
TRUCK	2 6.7%			5 3.4%			2 25.0%			9 4.9%		
BOTH	30 16.3%			146 79.3%			8 4.3%			184 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd. & 186th St. (#94)  
7/3/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0	10	0	10					0	17	2
SOUTHBOUND	2	16	10	28					14	12	6	32
EASTBOUND	2	2	0	4					9	34	2	45
WESTBOUND	1	28	20	49					0	11	9	20

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.63					0.79
SOUTHBOUND	0.70	0.67				0.73	0.81
EASTBOUND	0.50					0.63	
WESTBOUND	0.68					0.56	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	10.0%	0.0%	10.0%					0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	5.0%	2.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	7	20	27	5	43	48	75
7:00 AM	TO	8:00 AM	10	23	33	7	37	44	77
8:00 AM	TO	9:00 AM	11	18	29	5	19	24	53
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	11	14	25	15	11	26	51
4:00 PM	TO	5:00 PM	20	20	40	46	16	62	102
5:00 PM	TO	6:00 PM	17	31	48	35	22	57	105
6:00 PM	TO	7:00 PM	2	20	22	16	13	29	51
TOTAL VOLUME			78	146	224	129	161	290	514
PERCENTAGE			15.2%	28.4%	43.6%	25.1%	31.3%	56.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd. & 186th St. (#94)  
7/3/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	5	1	6	0	0	0	6	1	7
7:00 AM - 8:00 AM	1	0	1	9	0	9	0	0	0	10	0	10
8:00 AM - 9:00 AM	0	0	0	8	1	9	2	0	2	10	1	11
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	9	0	9	0	1	1	10	1	11
4:00 PM - 5:00 PM	1	0	1	15	1	16	3	0	3	19	1	20
5:00 PM - 6:00 PM	1	0	1	15	0	15	1	0	1	17	0	17
6:00 PM - 7:00 PM	0	0	0	0	0	0	2	0	2	2	0	2
PASSENGER	5 100.0%			61 95.3%			8 88.9%			74 94.9%		
TRUCK	0 0.0%			3 4.7%			1 11.1%			4 5.1%		
BOTH	5 6.4%			64 82.1%			9 11.5%			78 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	12	0	12	7	0	7	20	0	20
7:00 AM - 8:00 AM	2	0	2	15	0	15	6	0	6	23	0	23
8:00 AM - 9:00 AM	6	0	6	10	0	10	2	0	2	18	0	18
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	7	0	7	4	0	4	3	0	3	14	0	14
4:00 PM - 5:00 PM	13	0	13	3	1	4	3	0	3	19	1	20
5:00 PM - 6:00 PM	11	0	11	15	0	15	5	0	5	31	0	31
6:00 PM - 7:00 PM	7	0	7	9	0	9	4	0	4	20	0	20
PASSENGER	47 100.0%			68 98.6%			30 100.0%			145 99.3%		
TRUCK	0 0.0%			1 1.4%			0 0.0%			1 0.7%		
BOTH	47 32.2%			69 47.3%			30 20.5%			146 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	2	0	2	0	0	0	5	0	5
7:00 AM - 8:00 AM	4	0	4	2	0	2	1	0	1	7	0	7
8:00 AM - 9:00 AM	1	0	1	4	0	4	0	0	0	5	0	5
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	5	0	5	10	0	10	0	0	0	15	0	15
4:00 PM - 5:00 PM	11	0	11	34	0	34	1	0	1	46	0	46
5:00 PM - 6:00 PM	5	0	5	28	1	29	1	0	1	34	1	35
6:00 PM - 7:00 PM	7	0	7	9	0	9	0	0	0	16	0	16
PASSENGER	36 100.0%			89 98.9%			3 100.0%			128 99.2%		
TRUCK	0 0.0%			1 1.1%			0 0.0%			1 0.8%		
BOTH	36 27.9%			90 69.8%			3 2.3%			129 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	22	0	22	19	1	20	42	1	43
7:00 AM - 8:00 AM	1	0	1	22	0	22	14	0	14	37	0	37
8:00 AM - 9:00 AM	1	0	1	9	0	9	9	0	9	19	0	19
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	5	0	5	5	0	5	11	0	11
4:00 PM - 5:00 PM	1	0	1	8	0	8	7	0	7	16	0	16
5:00 PM - 6:00 PM	1	0	1	11	0	11	10	0	10	22	0	22
6:00 PM - 7:00 PM	0	0	0	7	0	7	6	0	6	13	0	13
PASSENGER	6 100.0%			84 100.0%			70 98.6%			160 99.4%		
TRUCK	0 0.0%			0 0.0%			1 1.4%			1 0.6%		
BOTH	6 3.7%			84 52.2%			71 44.1%			161 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Atlantic Rd & 186th St (#96)  
6/28/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	2	6	0	8					1	5	1	7
SOUTHBOUND	3	19	1	23					1	14	3	18
EASTBOUND	1	9	0	10					2	54	0	56
WESTBOUND	0	31	3	34					2	29	1	32

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.67	0.89			0.44	0.78
SOUTHBOUND	0.72				0.75	
EASTBOUND	0.63				0.67	
WESTBOUND	0.71				0.73	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	5	16	21	3	38	41	62
7:00 AM	TO	8:00 AM	8	23	31	10	34	44	75
8:00 AM	TO	9:00 AM	5	17	22	12	20	32	54
3:00 PM	TO	4:00 PM	7	10	17	27	10	37	54
4:00 PM	TO	5:00 PM	15	7	22	33	26	59	81
5:00 PM	TO	6:00 PM	7	18	25	56	32	88	113
6:00 PM	TO	7:00 PM	6	3	9	11	15	26	35
TOTAL VOLUME			53	94	147	152	175	327	474
PERCENTAGE			11.2%	19.8%	31.0%	32.1%	36.9%	69.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Atlantic Rd & 186th St (#96)  
6/28/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	4	0	4	0	0	0	5	0	5
7:00 AM - 8:00 AM	2	0	2	6	0	6	0	0	0	8	0	8
8:00 AM - 9:00 AM	1	0	1	2	0	2	2	0	2	5	0	5
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	5	0	5	2	0	2	7	0	7
4:00 PM - 5:00 PM	0	0	0	14	0	14	1	0	1	15	0	15
5:00 PM - 6:00 PM	1	0	1	5	0	5	1	0	1	7	0	7
6:00 PM - 7:00 PM	0	0	0	5	0	5	1	0	1	6	0	6
PASSENGER	5 100.0%			41 100.0%			7 100.0%			53 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	5 9.4%			41 77.4%			7 13.2%			53 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	14	0	14	2	0	2	16	0	16
7:00 AM - 8:00 AM	3	0	3	19	0	19	1	0	1	23	0	23
8:00 AM - 9:00 AM	1	0	1	11	1	12	4	0	4	16	1	17
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	6	1	7	2	0	2	9	1	10
4:00 PM - 5:00 PM	3	0	3	3	0	3	1	0	1	7	0	7
5:00 PM - 6:00 PM	1	0	1	14	0	14	3	0	3	18	0	18
6:00 PM - 7:00 PM	0	0	0	3	0	3	0	0	0	3	0	3
PASSENGER	9 100.0%			70 97.2%			13 100.0%			92 97.9%		
TRUCK	0 0.0%			2 2.8%			0 0.0%			2 2.1%		
BOTH	9 9.6%			72 76.6%			13 13.8%			94 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	1	0	1	0	0	0	3	0	3
7:00 AM - 8:00 AM	1	0	1	9	0	9	0	0	0	10	0	10
8:00 AM - 9:00 AM	0	0	0	10	0	10	2	0	2	12	0	12
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	22	0	22	2	0	2	27	0	27
4:00 PM - 5:00 PM	2	0	2	31	0	31	0	0	0	33	0	33
5:00 PM - 6:00 PM	2	0	2	54	0	54	0	0	0	56	0	56
6:00 PM - 7:00 PM	0	0	0	10	0	10	1	0	1	11	0	11
PASSENGER	10 100.0%			137 100.0%			5 100.0%			152 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	10 6.6%			137 90.1%			5 3.3%			152 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	36	1	37	0	0	0	37	1	38
7:00 AM - 8:00 AM	0	0	0	31	0	31	3	0	3	34	0	34
8:00 AM - 9:00 AM	1	0	1	18	0	18	1	0	1	20	0	20
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	10	0	10	0	0	0	10	0	10
4:00 PM - 5:00 PM	1	0	1	20	1	21	4	0	4	25	1	26
5:00 PM - 6:00 PM	2	0	2	29	0	29	1	0	1	32	0	32
6:00 PM - 7:00 PM	0	0	0	15	0	15	0	0	0	15	0	15
PASSENGER	5 100.0%			159 98.8%			9 100.0%			173 98.9%		
TRUCK	0 0.0%			2 1.2%			0 0.0%			2 1.1%		
BOTH	5 2.9%			161 92.0%			9 5.1%			175 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 176th St & Prairie Baptist Rd (#97)  
 11/8/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		16	2	18						57	1	58
SOUTHBOUND	2	42		44					3	28		31
WESTBOUND	5		2	7					1		1	2

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.75				0.73	
SOUTHBOUND	0.79	0.78			0.78	0.84
WESTBOUND	0.44				0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		6.3%	50.0%	16.7%						1.8%	0.0%	1.7%
SOUTHBOUND	50.0%	0.0%		2.3%					33.3%	3.6%		12.9%
WESTBOUND	0.0%		50.0%	14.3%					0.0%		0.0%	50.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	7	39	46		5	5	51
7:00 AM	TO	8:00 AM	18	44	62		7	7	69
8:00 AM	TO	9:00 AM	15	28	43		0	0	43
3:00 PM	TO	4:00 PM	20	11	31		2	2	33
4:00 PM	TO	5:00 PM	58	31	89		2	2	91
5:00 PM	TO	6:00 PM	43	35	78		5	5	83
6:00 PM	TO	7:00 PM	26	14	40		1	1	41
TOTAL VOLUME			187	202	389		22	22	411
PERCENTAGE			45.5%	49.1%	94.6%		5.4%	5.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
176th St & Prairie Baptist Rd (#97)  
11/8/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				7	0	7	0	0	0	7	0	7
7:00 AM - 8:00 AM				15	1	16	1	1	2	16	2	18
8:00 AM - 9:00 AM				12	2	14	1	0	1	13	2	15
PM TIME PERIOD												
3:00 PM - 4:00 PM				20	0	20	0	0	0	20	0	20
4:00 PM - 5:00 PM				56	1	57	1	0	1	57	1	58
5:00 PM - 6:00 PM				40	0	40	3	0	3	43	0	43
6:00 PM - 7:00 PM				26	0	26	0	0	0	26	0	26
PASSENGER				176 97.8%			6 85.7%			182 97.3%		
TRUCK				4 2.2%			1 14.3%			5 2.7%		
BOTH				180 96.3%			7 3.7%			187 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	38	0	38				39	0	39
7:00 AM - 8:00 AM	1	1	2	42	0	42				43	1	44
8:00 AM - 9:00 AM	0	0	0	27	1	28				27	1	28
PM TIME PERIOD												
3:00 PM - 4:00 PM	4	0	4	5	2	7				9	2	11
4:00 PM - 5:00 PM	2	1	3	27	1	28				29	2	31
5:00 PM - 6:00 PM	2	0	2	32	1	33				34	1	35
6:00 PM - 7:00 PM	1	2	3	11	0	11				12	2	14
PASSENGER	11 73.3%			182 97.3%						193 95.5%		
TRUCK	4 26.7%			5 2.7%						9 4.5%		
BOTH	15 7.4%			187 92.6%						202 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3				2	0	2	5	0	5
7:00 AM - 8:00 AM	5	0	5				1	1	2	6	1	7
8:00 AM - 9:00 AM	0	0	0				0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0				2	0	2	2	0	2
4:00 PM - 5:00 PM	1	0	1				1	0	1	2	0	2
5:00 PM - 6:00 PM	3	0	3				2	0	2	5	0	5
6:00 PM - 7:00 PM	0	0	0				1	0	1	1	0	1
PASSENGER	12 100.0%						9 90.0%			21 95.5%		
TRUCK	0 0.0%						1 10.0%			1 4.5%		
BOTH	12 54.5%						10 45.5%			22 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd. & 176th St. (#98)  
6/27/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0	10	0	10					1	19	1
SOUTHBOUND	0	22	2	24					0	14	3	17
EASTBOUND	2	2	0	4					0	3	1	4
WESTBOUND	0	1	0	1					0	2	1	3

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.63					0.66
SOUTHBOUND	0.75	0.81				0.85	0.63
EASTBOUND	0.50					0.33	
WESTBOUND	0.25					0.38	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	100.0%
SOUTHBOUND	0.0%	4.5%	0.0%	4.2%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	50.0%	50.0%	0.0%	50.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	50.0%	0.0%	33.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	5	15	20	0	2	2	22
7:00 AM	TO	8:00 AM	9	21	30	5	3	8	38
8:00 AM	TO	9:00 AM	7	7	14	3	3	6	20
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	9	4	13	0	0	0	13
4:00 PM	TO	5:00 PM	17	8	25	6	3	9	34
5:00 PM	TO	6:00 PM	16	15	31	2	1	3	34
6:00 PM	TO	7:00 PM	6	5	11	0	0	0	11
TOTAL VOLUME			69	75	144	16	12	28	172
PERCENTAGE			40.1%	43.6%	83.7%	9.3%	7.0%	16.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd. & 176th St. (#98)  
6/27/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	5	0	5	0	0	0	5	0	5
7:00 AM - 8:00 AM	0	0	0	9	0	9	0	0	0	9	0	9
8:00 AM - 9:00 AM	1	0	1	6	0	6	0	0	0	7	0	7
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	5	1	6	3	0	3	8	1	9
4:00 PM - 5:00 PM	0	0	0	17	0	17	0	0	0	17	0	17
5:00 PM - 6:00 PM	1	1	2	12	0	12	1	1	2	14	2	16
6:00 PM - 7:00 PM	0	0	0	6	0	6	0	0	0	6	0	6
PASSENGER	2 66.7%			60 98.4%			4 80.0%			66 95.7%		
TRUCK	1 33.3%			1 1.6%			1 20.0%			3 4.3%		
BOTH	3 4.3%			61 88.4%			5 7.2%			69 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	13	0	13	2	0	2	15	0	15
7:00 AM - 8:00 AM	0	0	0	19	1	20	1	0	1	20	1	21
8:00 AM - 9:00 AM	0	0	0	5	0	5	2	0	2	7	0	7
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	4	0	4	0	0	0	4	0	4
4:00 PM - 5:00 PM	0	0	0	7	0	7	1	0	1	8	0	8
5:00 PM - 6:00 PM	0	0	0	13	0	13	2	0	2	15	0	15
6:00 PM - 7:00 PM	0	0	0	4	0	4	1	0	1	5	0	5
PASSENGER	0 #DIV/0!			65 98.5%			9 100.0%			74 98.7%		
TRUCK	0 #DIV/0!			1 1.5%			0 0.0%			1 1.3%		
BOTH	0 0.0%			66 88.0%			9 12.0%			75 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	1	1	2	1	1	2	1	0	1	3	2	5
8:00 AM - 9:00 AM	0	1	1	2	0	2	0	0	0	2	1	3
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	2	1	3	3	0	3	0	0	0	5	1	6
5:00 PM - 6:00 PM	0	0	0	0	0	0	2	0	2	2	0	2
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	3 50.0%			6 85.7%			3 100.0%			12 75.0%		
TRUCK	3 50.0%			1 14.3%			0 0.0%			4 25.0%		
BOTH	6 37.5%			7 43.8%			3 18.8%			16 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	1	0	1	0	0	0	2	0	2
7:00 AM - 8:00 AM	1	0	1	2	0	2	0	0	0	3	0	3
8:00 AM - 9:00 AM	1	0	1	2	0	2	0	0	0	3	0	3
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	1	0	1	1	0	1	1	0	1	3	0	3
5:00 PM - 6:00 PM	0	0	0	0	1	1	0	0	0	0	1	1
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	4 100.0%			6 85.7%			1 100.0%			11 91.7%		
TRUCK	0 0.0%			1 14.3%			0 0.0%			1 8.3%		
BOTH	4 33.3%			7 58.3%			1 8.3%			12 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Atlantic Rd. & 176th St. (#99)  
6/28/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0	5	0	5					1	11	3
SOUTHBOUND	2	11	1	14					3	12	2	17
EASTBOUND	0	2	1	3					0	1	0	1
WESTBOUND	2	1	2	5					0	5	0	5

PEAK HOUR FACTOR								
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR			PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION		APPROACH	INTERSECTION
	NORTHBOUND	0.63						0.63
SOUTHBOUND	0.88	0.68					0.61	0.86
EASTBOUND	0.75						0.25	
WESTBOUND	0.42						0.63	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	9.1%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	7	7	14	0	3	3	17
7:00 AM	TO	8:00 AM	5	14	19	3	5	8	27
8:00 AM	TO	9:00 AM	3	13	16	1	4	5	21
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	4	5	9	3	2	5	14
4:00 PM	TO	5:00 PM	14	7	21	6	2	8	29
5:00 PM	TO	6:00 PM	15	17	32	1	5	6	38
6:00 PM	TO	7:00 PM	6	6	12	1	3	4	16
TOTAL VOLUME			54	69	123	15	24	39	162
PERCENTAGE			33.3%	42.6%	75.9%	9.3%	14.8%	24.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Atlantic Rd. & 176th St. (#99)  
6/28/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	6	0	6	0	0	0	7	0	7
7:00 AM - 8:00 AM	0	0	0	5	0	5	0	0	0	5	0	5
8:00 AM - 9:00 AM	0	0	0	3	0	3	0	0	0	3	0	3
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	2	0	2	1	0	1	4	0	4
4:00 PM - 5:00 PM	1	0	1	13	0	13	0	0	0	14	0	14
5:00 PM - 6:00 PM	1	0	1	10	1	11	3	0	3	14	1	15
6:00 PM - 7:00 PM	0	0	0	6	0	6	0	0	0	6	0	6
PASSENGER	4 100.0%			45 97.8%			4 100.0%			53 98.1%		
TRUCK	0 0.0%			1 2.2%			0 0.0%			1 1.9%		
BOTH	4 7.4%			46 85.2%			4 7.4%			54 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	7	0	7	0	0	0	7	0	7
7:00 AM - 8:00 AM	2	0	2	11	0	11	1	0	1	14	0	14
8:00 AM - 9:00 AM	3	0	3	7	1	8	2	0	2	12	1	13
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	5	0	5	0	0	0	5	0	5
4:00 PM - 5:00 PM	0	0	0	5	0	5	1	1	2	6	1	7
5:00 PM - 6:00 PM	3	0	3	12	0	12	2	0	2	17	0	17
6:00 PM - 7:00 PM	0	0	0	4	0	4	2	0	2	6	0	6
PASSENGER	8 100.0%			51 98.1%			8 88.9%			67 97.1%		
TRUCK	0 0.0%			1 1.9%			1 11.1%			2 2.9%		
BOTH	8 11.6%			52 75.4%			9 13.0%			69 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0	2	0	2	1	0	1	3	0	3
8:00 AM - 9:00 AM	1	0	1	0	0	0	0	0	0	1	0	1
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	3	0	3	0	0	0	3	0	3
4:00 PM - 5:00 PM	1	0	1	5	0	5	0	0	0	6	0	6
5:00 PM - 6:00 PM	0	0	0	1	0	1	0	0	0	1	0	1
6:00 PM - 7:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
PASSENGER	2 100.0%			11 100.0%			2 100.0%			15 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	2 13.3%			11 73.3%			2 13.3%			15 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	2	0	2	1	0	1	3	0	3
7:00 AM - 8:00 AM	2	0	2	1	0	1	2	0	2	5	0	5
8:00 AM - 9:00 AM	1	0	1	1	0	1	1	1	2	3	1	4
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	2	0	2	2	0	2
4:00 PM - 5:00 PM	0	0	0	0	0	0	2	0	2	2	0	2
5:00 PM - 6:00 PM	0	0	0	5	0	5	0	0	0	5	0	5
6:00 PM - 7:00 PM	2	0	2	0	0	0	1	0	1	3	0	3
PASSENGER	5 100.0%			9 100.0%			9 90.0%			23 95.8%		
TRUCK	0 0.0%			0 0.0%			1 10.0%			1 4.2%		
BOTH	5 20.8%			9 37.5%			10 41.7%			24 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Moontown Road & SR 32 (#100)  
5/16/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	28	25	73	126					55	105	179
SOUTHBOUND	28	112	31	171					24	70	20	114
EASTBOUND	9	470	38	517					103	569	22	694
WESTBOUND	201	618	13	832					66	794	61	921

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.90					0.81
SOUTHBOUND	0.75	0.87				0.70	0.97
EASTBOUND	0.87					0.96	
WESTBOUND	0.89					0.94	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	3.6%	0.0%	1.4%	1.6%					0.0%	0.0%	2.8%
SOUTHBOUND	0.0%	1.8%	0.0%	1.2%					8.3%	41.4%	5.0%	28.1%
EASTBOUND	0.0%	12.3%	7.9%	11.8%					1.9%	0.0%	0.0%	0.3%
WESTBOUND	3.0%	6.8%	0.0%	5.8%					1.5%	3.1%	0.0%	2.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	20	36	56	152	367	519	575
7:00 AM	TO	8:00 AM	127	182	309	460	864	1324	1633
8:00 AM	TO	9:00 AM	56	55	111	270	366	636	747
2:00 PM	TO	3:00 PM	139	108	247	546	534	1080	1327
3:00 PM	TO	4:00 PM	217	126	343	546	646	1192	1535
4:00 PM	TO	5:00 PM	239	120	359	591	763	1354	1713
5:00 PM	TO	6:00 PM	339	114	453	694	921	1615	2068
TOTAL VOLUME			1137	741	1878	3259		7720	9598
PERCENTAGE			11.8%	7.7%	19.6%	34.0%		80.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Moontown Road & SR 32 (#100)  
5/16/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	3	0	3	10	1	11	19	1	20
7:00 AM - 8:00 AM	25	2	27	30	1	31	67	2	69	122	5	127
8:00 AM - 9:00 AM	12	0	12	6	1	7	34	3	37	52	4	56
PM TIME PERIOD												
2:00 PM - 3:00 PM	29	2	31	37	1	38	67	3	70	133	6	139
3:00 PM - 4:00 PM	29	3	32	55	8	63	112	10	122	196	21	217
4:00 PM - 5:00 PM	30	2	32	76	0	76	122	9	131	228	11	239
5:00 PM - 6:00 PM	55	0	55	105	0	105	174	5	179	334	5	339
PASSENGER	186 95.4%			312 96.6%			586 94.7%			1084 95.3%		
TRUCK	9 4.6%			11 3.4%			33 5.3%			53 4.7%		
BOTH	195 17.2%			323 28.4%			619 54.4%			1137 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	20	0	20	10	0	10	36	0	36
7:00 AM - 8:00 AM	25	1	26	125	1	126	30	0	30	180	2	182
8:00 AM - 9:00 AM	16	1	17	26	1	27	10	1	11	52	3	55
PM TIME PERIOD												
2:00 PM - 3:00 PM	13	4	17	18	45	63	26	2	28	57	51	108
3:00 PM - 4:00 PM	26	3	29	30	49	79	17	1	18	73	53	126
4:00 PM - 5:00 PM	20	1	21	40	33	73	26	0	26	86	34	120
5:00 PM - 6:00 PM	22	2	24	41	29	70	19	1	20	82	32	114
PASSENGER	128 91.4%			300 65.5%			138 96.5%			566 76.4%		
TRUCK	12 8.6%			158 34.5%			5 3.5%			175 23.6%		
BOTH	140 18.9%			458 61.8%			143 19.3%			741 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	127	12	139	12	0	12	140	12	152
7:00 AM - 8:00 AM	9	0	9	371	42	413	35	3	38	415	45	460
8:00 AM - 9:00 AM	8	1	9	208	36	244	17	0	17	233	37	270
PM TIME PERIOD												
2:00 PM - 3:00 PM	50	1	51	474	1	475	19	1	20	543	3	546
3:00 PM - 4:00 PM	71	3	74	448	0	448	23	1	24	542	4	546
4:00 PM - 5:00 PM	68	0	68	500	2	502	20	1	21	588	3	591
5:00 PM - 6:00 PM	101	2	103	569	0	569	22	0	22	692	2	694
PASSENGER	308 97.8%			2697 96.7%			148 96.1%			3153 96.7%		
TRUCK	7 2.2%			93 3.3%			6 3.9%			106 3.3%		
BOTH	315 9.7%			2790 85.6%			154 4.7%			3259 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	41	3	44	299	14	313	7	3	10	347	20	367
7:00 AM - 8:00 AM	192	4	196	623	29	652	16	0	16	831	33	864
8:00 AM - 9:00 AM	80	6	86	238	35	273	7	0	7	325	41	366
PM TIME PERIOD												
2:00 PM - 3:00 PM	19	1	20	445	37	482	31	1	32	495	39	534
3:00 PM - 4:00 PM	49	1	50	519	37	556	40	0	40	608	38	646
4:00 PM - 5:00 PM	41	0	41	634	36	670	51	1	52	726	37	763
5:00 PM - 6:00 PM	65	1	66	769	25	794	61	0	61	895	26	921
PASSENGER	487 96.8%			3527 94.3%			213 97.7%			4227 94.8%		
TRUCK	16 3.2%			213 5.7%			5 2.3%			234 5.2%		
BOTH	503 11.3%			3740 83.8%			218 4.9%			4461 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Hazel Dell Road/Little Chicago Rd & SR 32 (#101)  
5/29/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	111	111	154	376					202	514	334
SOUTHBOUND	72	641	98	811					88	263	96	447
EASTBOUND	18	378	121	517					88	640	124	852
WESTBOUND	207	607	31	845					163	588	48	799

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.85					0.84
SOUTHBOUND	0.90	0.94				0.87	0.94
EASTBOUND	0.87					0.94	
WESTBOUND	0.91					0.96	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1.8%	1.8%	3.2%	2.4%					4.5%	1.2%	1.5%
SOUTHBOUND	5.6%	1.1%	4.1%	1.8%					2.3%	1.9%	1.0%	1.8%
EASTBOUND	11.1%	6.1%	1.7%	5.2%					1.1%	2.5%	2.4%	2.3%
WESTBOUND	1.4%	5.3%	6.5%	4.4%					0.6%	3.4%	10.4%	3.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	135	299	434	153	380	533	967
7:00 AM	TO	8:00 AM	376	811	1187	517	845	1362	2549
8:00 AM	TO	9:00 AM	167	376	543	239	431	670	1213
2:00 PM	TO	3:00 PM	350	242	592	520	569	1089	1681
3:00 PM	TO	4:00 PM	526	284	810	767	699	1466	2276
4:00 PM	TO	5:00 PM	752	333	1085	724	730	1454	2539
5:00 PM	TO	6:00 PM	1050	447	1497	852	799	1651	3148
TOTAL VOLUME			3356	2792	6148	3772		8225	14373
PERCENTAGE			23.3%	19.4%	42.8%	26.2%		57.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Hazel Dell Road/Little Chicago Rd & SR 32 (#101)  
5/29/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	38	2	40	50	1	51	44	0	44	132	3	135
7:00 AM - 8:00 AM	109	2	111	109	2	111	149	5	154	367	9	376
8:00 AM - 9:00 AM	56	6	62	43	2	45	56	4	60	155	12	167
PM TIME PERIOD												
2:00 PM - 3:00 PM	70	15	85	144	4	148	112	5	117	326	24	350
3:00 PM - 4:00 PM	92	16	108	207	1	208	198	12	210	497	29	526
4:00 PM - 5:00 PM	130	6	136	335	6	341	268	7	275	733	19	752
5:00 PM - 6:00 PM	193	9	202	508	6	514	329	5	334	1030	20	1050
PASSENGER	688 92.5%			1396 98.4%			1156 96.8%			3240 96.5%		
TRUCK	56 7.5%			22 1.6%			38 3.2%			116 3.5%		
BOTH	744 22.2%			1418 42.3%			1194 35.6%			3356 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	22	0	22	233	3	236	41	0	41	296	3	299
7:00 AM - 8:00 AM	68	4	72	634	7	641	94	4	98	796	15	811
8:00 AM - 9:00 AM	25	6	31	254	8	262	74	9	83	353	23	376
PM TIME PERIOD												
2:00 PM - 3:00 PM	44	10	54	137	3	140	46	2	48	227	15	242
3:00 PM - 4:00 PM	48	7	55	145	7	152	68	9	77	261	23	284
4:00 PM - 5:00 PM	77	3	80	202	8	210	43	0	43	322	11	333
5:00 PM - 6:00 PM	86	2	88	258	5	263	95	1	96	439	8	447
PASSENGER	370 92.0%			1863 97.8%			461 94.9%			2694 96.5%		
TRUCK	32 8.0%			41 2.2%			25 5.1%			98 3.5%		
BOTH	402 14.4%			1904 68.2%			486 17.4%			2792 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	106	10	116	36	0	36	143	10	153
7:00 AM - 8:00 AM	16	2	18	355	23	378	119	2	121	490	27	517
8:00 AM - 9:00 AM	11	0	11	135	19	154	70	4	74	216	23	239
PM TIME PERIOD												
2:00 PM - 3:00 PM	38	4	42	370	43	413	61	4	65	469	51	520
3:00 PM - 4:00 PM	69	4	73	522	54	576	105	13	118	696	71	767
4:00 PM - 5:00 PM	88	8	96	523	30	553	74	1	75	685	39	724
5:00 PM - 6:00 PM	87	1	88	624	16	640	121	3	124	832	20	852
PASSENGER	310 94.2%			2635 93.1%			586 95.6%			3531 93.6%		
TRUCK	19 5.8%			195 6.9%			27 4.4%			241 6.4%		
BOTH	329 8.7%			2830 75.0%			613 16.3%			3772 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	69	3	72	289	10	299	9	0	9	367	13	380
7:00 AM - 8:00 AM	204	3	207	575	32	607	29	2	31	808	37	845
8:00 AM - 9:00 AM	97	5	102	271	33	304	25	0	25	393	38	431
PM TIME PERIOD												
2:00 PM - 3:00 PM	97	7	104	372	35	407	46	12	58	515	54	569
3:00 PM - 4:00 PM	147	3	150	441	48	489	58	2	60	646	53	699
4:00 PM - 5:00 PM	151	2	153	479	32	511	66	0	66	696	34	730
5:00 PM - 6:00 PM	162	1	163	568	20	588	43	5	48	773	26	799
PASSENGER	927 97.5%			2995 93.4%			276 92.9%			4198 94.3%		
TRUCK	24 2.5%			210 6.6%			21 7.1%			255 5.7%		
BOTH	951 21.4%			3205 72.0%			297 6.7%			4453 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Mill Creek Road & SR 32 (#102)  
5/23/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	12	1	28	41					7	1	39	47
SOUTHBOUND	9	9	35	53					3	3	31	37
EASTBOUND	14	549	25	588					89	955	16	1060
WESTBOUND	90	820	6	916					21	739	15	775

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.68	0.96			0.69	0.94
SOUTHBOUND	0.78				0.84	
EASTBOUND	0.86				0.93	
WESTBOUND	0.94				0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	8.3%	0.0%	25.0%	19.5%					14.3%	0.0%	2.6%	4.3%
SOUTHBOUND	11.1%	0.0%	0.0%	1.9%					33.3%	0.0%	0.0%	2.7%
EASTBOUND	7.1%	6.2%	24.0%	7.0%					0.0%	3.7%	0.0%	3.3%
WESTBOUND	1.1%	6.1%	33.3%	5.8%					4.8%	4.6%	6.7%	4.6%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	11	21	32	173	423	596	628
7:00 AM	TO	8:00 AM	41	53	94	588	916	1504	1598
8:00 AM	TO	9:00 AM	32	26	58	309	379	688	746
2:00 PM	TO	3:00 PM	28	22	50	637	588	1225	1275
3:00 PM	TO	4:00 PM	50	19	69	796	730	1526	1595
4:00 PM	TO	5:00 PM	49	38	87	862	653	1515	1602
5:00 PM	TO	6:00 PM	56	34	90	1095	733	1828	1918
TOTAL VOLUME			267	213	480	4460		8882	9362
PERCENTAGE			2.9%	2.3%	5.1%	47.6%		94.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Mill Creek Road & SR 32 (#102)  
5/23/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	1	0	1	7	0	7	11	0	11
7:00 AM - 8:00 AM	11	1	12	1	0	1	21	7	28	33	8	41
8:00 AM - 9:00 AM	12	3	15	4	0	4	9	4	13	25	7	32
PM TIME PERIOD												
2:00 PM - 3:00 PM	6	1	7	4	0	4	14	3	17	24	4	28
3:00 PM - 4:00 PM	8	2	10	3	0	3	33	4	37	44	6	50
4:00 PM - 5:00 PM	8	1	9	5	0	5	30	5	35	43	6	49
5:00 PM - 6:00 PM	10	1	11	2	0	2	43	0	43	55	1	56
PASSENGER	58 86.6%			20 100.0%			157 87.2%			235 88.0%		
TRUCK	9 13.4%			0 0.0%			23 12.8%			32 12.0%		
BOTH	67 25.1%			20 7.5%			180 67.4%			267 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	4	0	4	16	1	17	20	1	21
7:00 AM - 8:00 AM	8	1	9	9	0	9	35	0	35	52	1	53
8:00 AM - 9:00 AM	7	1	8	4	0	4	14	0	14	25	1	26
PM TIME PERIOD												
2:00 PM - 3:00 PM	7	0	7	4	0	4	11	0	11	22	0	22
3:00 PM - 4:00 PM	3	0	3	4	0	4	11	1	12	18	1	19
4:00 PM - 5:00 PM	7	2	9	4	0	4	25	0	25	36	2	38
5:00 PM - 6:00 PM	4	0	4	2	0	2	28	0	28	34	0	34
PASSENGER	36 90.0%			31 100.0%			140 98.6%			207 97.2%		
TRUCK	4 10.0%			0 0.0%			2 1.4%			6 2.8%		
BOTH	40 18.8%			31 14.6%			142 66.7%			213 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	153	9	162	9	0	9	164	9	173
7:00 AM - 8:00 AM	13	1	14	515	34	549	19	6	25	547	41	588
8:00 AM - 9:00 AM	5	0	5	267	33	300	0	4	4	272	37	309
PM TIME PERIOD												
2:00 PM - 3:00 PM	17	1	18	531	71	602	11	6	17	559	78	637
3:00 PM - 4:00 PM	30	2	32	693	57	750	7	7	14	730	66	796
4:00 PM - 5:00 PM	61	0	61	740	50	790	10	1	11	811	51	862
5:00 PM - 6:00 PM	86	0	86	954	36	990	19	0	19	1059	36	1095
PASSENGER	214 98.2%			3853 93.0%			75 75.8%			4142 92.9%		
TRUCK	4 1.8%			290 7.0%			24 24.2%			318 7.1%		
BOTH	218 4.9%			4143 92.9%			99 2.2%			4460 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	24	3	27	374	18	392	2	2	4	400	23	423
7:00 AM - 8:00 AM	89	1	90	770	50	820	4	2	6	863	53	916
8:00 AM - 9:00 AM	16	2	18	305	53	358	2	1	3	323	56	379
PM TIME PERIOD												
2:00 PM - 3:00 PM	17	4	21	496	64	560	4	3	7	517	71	588
3:00 PM - 4:00 PM	26	0	26	623	68	691	13	0	13	662	68	730
4:00 PM - 5:00 PM	19	1	20	587	31	618	13	2	15	619	34	653
5:00 PM - 6:00 PM	23	2	25	666	26	692	16	0	16	705	28	733
PASSENGER	214 94.3%			3821 92.5%			54 84.4%			4089 92.5%		
TRUCK	13 5.7%			310 7.5%			10 15.6%			333 7.5%		
BOTH	227 5.1%			4131 93.4%			64 1.4%			4422 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 SR 32 & Willowview Road (#103)  
 8/16/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	8		19	27					6		29
EASTBOUND		574	9	583						919	15	934
WESTBOUND	18	813		831					20	645		665

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.68				0.67
EASTBOUND	0.89	0.93			0.97	0.96
WESTBOUND	0.91				0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%		5.3%	3.7%					0.0%		0.0%
EASTBOUND		3.8%	0.0%	3.8%						1.0%	0.0%	1.0%
WESTBOUND	0.0%	2.1%		2.0%					0.0%	2.0%		2.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	19		19	241	559	800	819
7:00 AM	TO	8:00 AM	27		27	583	831	1414	1441
8:00 AM	TO	9:00 AM	25		25	538	685	1223	1248
3:00 PM	TO	4:00 PM	12		12	380	346	726	738
4:00 PM	TO	5:00 PM	31		31	825	625	1450	1481
5:00 PM	TO	6:00 PM	38		38	915	614	1529	1567
6:00 PM	TO	7:00 PM	14		14	392	230	622	636
TOTAL VOLUME			166		166	3874	3890	7764	7930
PERCENTAGE			2.1%		2.1%	48.9%	49.1%	97.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 32 & Willowview Road (#103)  
8/16/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	9	0	9				10	0	10	19	0	19
7:00 AM - 8:00 AM	8	0	8				18	1	19	26	1	27
8:00 AM - 9:00 AM	4	1	5				18	2	20	22	3	25
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	2	0	2				8	2	10	10	2	12
4:00 PM - 5:00 PM	11	0	11				19	1	20	30	1	31
5:00 PM - 6:00 PM	8	0	8				30	0	30	38	0	38
6:00 PM - 7:00 PM	4	0	4				10	0	10	14	0	14
<b>PASSENGER</b>	46 97.9%						113 95.0%			159 95.8%		
<b>TRUCK</b>	1 2.1%						6 5.0%			7 4.2%		
<b>BOTH</b>	47 28.3%						119 71.7%			166 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				231	5	236	3	2	5	234	7	241
7:00 AM - 8:00 AM				552	22	574	9	0	9	561	22	583
8:00 AM - 9:00 AM				484	47	531	7	0	7	491	47	538
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				364	10	374	5	1	6	369	11	380
4:00 PM - 5:00 PM				800	12	812	11	2	13	811	14	825
5:00 PM - 6:00 PM				894	5	899	16	0	16	910	5	915
6:00 PM - 7:00 PM				385	2	387	5	0	5	390	2	392
<b>PASSENGER</b>				3710 97.3%			56 91.8%			3766 97.2%		
<b>TRUCK</b>				103 2.7%			5 8.2%			108 2.8%		
<b>BOTH</b>				3813 98.4%			61 1.6%			3874 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	5	1	6	532	21	553				537	22	559
7:00 AM - 8:00 AM	18	0	18	796	17	813				814	17	831
8:00 AM - 9:00 AM	16	0	16	635	34	669				651	34	685
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	9	0	9	332	5	337				341	5	346
4:00 PM - 5:00 PM	18	0	18	594	13	607				612	13	625
5:00 PM - 6:00 PM	22	0	22	582	10	592				604	10	614
6:00 PM - 7:00 PM	5	0	5	221	4	225				226	4	230
<b>PASSENGER</b>	93 98.9%			3692 97.3%						3785 97.3%		
<b>TRUCK</b>	1 1.1%			104 2.7%						105 2.7%		
<b>BOTH</b>	94 2.4%			3796 97.6%						3890 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 SR 32 & Hague Rd (#104)  
 8/20 & 21/2012  
 KDP - video

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	29		341	370					33		118
EASTBOUND	79	514		593					309	705		1014
WESTBOUND		569	21	590						604	94	698

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	SOUTHBOUND	0.93				0.88
EASTBOUND	0.81	0.96			0.97	0.99
WESTBOUND	0.93				0.97	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	0.0%		2.3%	2.2%					3.0%		4.2%
EASTBOUND	8.9%	4.9%		5.4%					1.3%	2.8%		2.4%
WESTBOUND		6.7%	19.0%	7.1%						3.5%	0.0%	3.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		218	218	296	418	714	932
7:00 AM	TO	8:00 AM		370	370	593	590	1183	1553
8:00 AM	TO	9:00 AM		197	197	601	606	1207	1404
3:00 PM	TO	4:00 PM		72	72	372	329	701	773
4:00 PM	TO	5:00 PM		140	140	900	661	1561	1701
5:00 PM	TO	6:00 PM		159	159	982	679	1661	1820
6:00 PM	TO	7:00 PM		72	72	437	253	690	762
TOTAL VOLUME				1228	1228	4181	3536	7717	8945
PERCENTAGE				13.7%	13.7%	46.7%	39.5%	86.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
SR 32 & Hague Rd (#104)  
8/20 & 21/2012

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	14	0	14				201	3	204	215	3	218
7:00 AM - 8:00 AM	29	0	29				333	8	341	362	8	370
8:00 AM - 9:00 AM	33	1	34				159	4	163	192	5	197
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	21	0	21				49	2	51	70	2	72
4:00 PM - 5:00 PM	30	1	31				106	3	109	136	4	140
5:00 PM - 6:00 PM	36	1	37				116	6	122	152	7	159
6:00 PM - 7:00 PM	27	0	27				45	0	45	72	0	72
PASSENGER	190 98.4%						1009 97.5%			1199 97.6%		
TRUCK	3 1.6%						26 2.5%			29 2.4%		
BOTH	193 15.7%						1035 84.3%			1228 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	33	1	34	242	20	262				275	21	296
7:00 AM - 8:00 AM	72	7	79	489	25	514				561	32	593
8:00 AM - 9:00 AM	69	8	77	454	70	524				523	78	601
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	72	6	78	271	23	294				343	29	372
4:00 PM - 5:00 PM	223	7	230	631	39	670				854	46	900
5:00 PM - 6:00 PM	301	3	304	661	17	678				962	20	982
6:00 PM - 7:00 PM	146	1	147	285	5	290				431	6	437
PASSENGER	916 96.5%			3033 93.8%						3949 94.5%		
TRUCK	33 3.5%			199 6.2%						232 5.5%		
BOTH	949 22.7%			3232 77.3%						4181 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				383	22	405	13	0	13	396	22	418
7:00 AM - 8:00 AM				531	38	569	17	4	21	548	42	590
8:00 AM - 9:00 AM				541	44	585	18	3	21	559	47	606
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				289	15	304	24	1	25	313	16	329
4:00 PM - 5:00 PM				573	17	590	70	1	71	643	18	661
5:00 PM - 6:00 PM				566	18	584	95	0	95	661	18	679
6:00 PM - 7:00 PM				196	6	202	51	0	51	247	6	253
PASSENGER				3079 95.1%			288 97.0%			3367 95.2%		
TRUCK				160 4.9%			9 3.0%			169 4.8%		
BOTH				3239 91.6%			297 8.4%			3536 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 32 & Cherry Tree Road (#105)  
9/4/2012  
AJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	3		47	50					11		121	132
EASTBOUND		560	5	565						778	7	785
WESTBOUND	40	548		588					56	687		743

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.74				0.62	
EASTBOUND	0.85	0.91			0.94	0.97
WESTBOUND	0.94				0.94	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%		0.0%	0.0%					0.0%		0.0%	0.0%
EASTBOUND		7.9%	40.0%	8.1%						0.9%	0.0%	0.9%
WESTBOUND	10.0%	6.6%		6.8%					0.0%	1.0%		0.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	37		37	231	413	644	681
7:00 AM	TO	8:00 AM	82		82	510	601	1111	1193
8:00 AM	TO	9:00 AM	49		49	529	575	1104	1153
3:00 PM	TO	4:00 PM	36		36	331	366	697	733
4:00 PM	TO	5:00 PM	90		90	703	710	1413	1503
5:00 PM	TO	6:00 PM	132		132	785	743	1528	1660
6:00 PM	TO	7:00 PM	91		91	337	307	644	735
TOTAL VOLUME			517		517	3426	3715	7141	7658
PERCENTAGE			6.8%		6.8%	44.7%	48.5%	93.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 32 & Cherry Tree Road (#105)  
9/4/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	4	0	4				33	0	33	37	0	37
7:00 AM - 8:00 AM	4	1	5				76	1	77	80	2	82
8:00 AM - 9:00 AM	4	0	4				44	1	45	48	1	49
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	4	0	4				30	2	32	34	2	36
4:00 PM - 5:00 PM	7	1	8				80	2	82	87	3	90
5:00 PM - 6:00 PM	11	0	11				121	0	121	132	0	132
6:00 PM - 7:00 PM	11	0	11				80	0	80	91	0	91
<b>PASSENGER</b>	45 95.7%						464 98.7%			509 98.5%		
<b>TRUCK</b>	2 4.3%						6 1.3%			8 1.5%		
<b>BOTH</b>	47 9.1%						470 90.9%			517 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				221	4	225	6	0	6	227	4	231
7:00 AM - 8:00 AM				480	24	504	5	1	6	485	25	510
8:00 AM - 9:00 AM				481	45	526	2	1	3	483	46	529
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				313	15	328	1	2	3	314	17	331
4:00 PM - 5:00 PM				687	9	696	7	0	7	694	9	703
5:00 PM - 6:00 PM				771	7	778	7	0	7	778	7	785
6:00 PM - 7:00 PM				323	8	331	6	0	6	329	8	337
<b>PASSENGER</b>				3276 96.7%			34 89.5%			3310 96.6%		
<b>TRUCK</b>				112 3.3%			4 10.5%			116 3.4%		
<b>BOTH</b>				3388 98.9%			38 1.1%			3426 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	17	5	22	376	15	391				393	20	413
7:00 AM - 8:00 AM	32	3	35	539	27	566				571	30	601
8:00 AM - 9:00 AM	40	1	41	510	24	534				550	25	575
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	40	0	40	319	7	326				359	7	366
4:00 PM - 5:00 PM	70	0	70	633	7	640				703	7	710
5:00 PM - 6:00 PM	56	0	56	680	7	687				736	7	743
6:00 PM - 7:00 PM	30	0	30	272	5	277				302	5	307
<b>PASSENGER</b>	285 96.9%			3329 97.3%						3614 97.3%		
<b>TRUCK</b>	9 3.1%			92 2.7%						101 2.7%		
<b>BOTH</b>	294 7.9%			3421 92.1%						3715 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
River Ave & SR 32 (#106)  
8/6/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	67	50	89	<b>206</b>					127	119	118
SOUTHBOUND	16	115	49	<b>180</b>					50	88	79	<b>217</b>
EASTBOUND	38	450	38	<b>526</b>					67	647	75	<b>789</b>
WESTBOUND	70	489	54	<b>613</b>					94	536	34	<b>664</b>

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.82	<b>0.97</b>			0.94
SOUTHBOUND	0.76				0.94	
EASTBOUND	0.87				0.90	
WESTBOUND	0.87				0.88	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	25.4%	8.0%	12.4%	15.5%					2.4%	0.0%	3.4%
SOUTHBOUND	6.3%	8.7%	0.0%	6.1%					0.0%	2.3%	0.0%	0.9%
EASTBOUND	2.6%	5.1%	10.5%	5.3%					0.0%	1.9%	6.7%	2.2%
WESTBOUND	7.1%	4.7%	7.4%	5.2%					1.1%	1.7%	0.0%	1.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	81	51	132	157	238	395	527
7:00 AM	TO	8:00 AM	184	190	374	522	613	1135	1509
8:00 AM	TO	9:00 AM	107	61	168	246	284	530	698
2:00 PM	TO	3:00 PM	246	133	379	526	591	1117	1496
3:00 PM	TO	4:00 PM	287	205	492	685	661	1346	1838
4:00 PM	TO	5:00 PM	300	220	520	698	689	1387	1907
5:00 PM	TO	6:00 PM	356	203	559	779	629	1408	1967
TOTAL VOLUME			1561	1063	2624	3613		7318	9942
PERCENTAGE			15.7%	10.7%	26.4%	36.3%		73.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
River Ave & SR 32 (#106)  
8/6/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	19	3	22	24	3	27	30	2	32	73	8	81
7:00 AM - 8:00 AM	46	9	55	40	5	45	77	7	84	163	21	184
8:00 AM - 9:00 AM	25	9	34	25	3	28	40	5	45	90	17	107
PM TIME PERIOD												
2:00 PM - 3:00 PM	74	22	96	54	3	57	84	9	93	212	34	246
3:00 PM - 4:00 PM	63	24	87	85	4	89	99	12	111	247	40	287
4:00 PM - 5:00 PM	106	7	113	81	3	84	91	12	103	278	22	300
5:00 PM - 6:00 PM	122	1	123	116	0	116	115	2	117	353	3	356
PASSENGER	455 85.8%			425 95.3%			536 91.6%			1416 90.7%		
TRUCK	75 14.2%			21 4.7%			49 8.4%			145 9.3%		
BOTH	530 34.0%			446 28.6%			585 37.5%			1561 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	29	1	30	19	0	19	50	1	51
7:00 AM - 8:00 AM	12	2	14	115	9	124	52	0	52	179	11	190
8:00 AM - 9:00 AM	10	0	10	25	3	28	23	0	23	58	3	61
PM TIME PERIOD												
2:00 PM - 3:00 PM	35	0	35	45	4	49	49	0	49	129	4	133
3:00 PM - 4:00 PM	41	0	41	92	9	101	63	0	63	196	9	205
4:00 PM - 5:00 PM	54	0	54	93	5	98	68	0	68	215	5	220
5:00 PM - 6:00 PM	42	1	43	91	1	92	68	0	68	201	2	203
PASSENGER	196 98.5%			490 93.9%			342 100.0%			1028 96.7%		
TRUCK	3 1.5%			32 6.1%			0 0.0%			35 3.3%		
BOTH	199 18.7%			522 49.1%			342 32.2%			1063 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	142	1	143	10	0	10	156	1	157
7:00 AM - 8:00 AM	22	1	23	441	21	462	32	5	37	495	27	522
8:00 AM - 9:00 AM	20	0	20	192	15	207	13	6	19	225	21	246
PM TIME PERIOD												
2:00 PM - 3:00 PM	38	0	38	409	18	427	42	19	61	489	37	526
3:00 PM - 4:00 PM	45	1	46	550	16	566	53	20	73	648	37	685
4:00 PM - 5:00 PM	45	0	45	571	25	596	50	7	57	666	32	698
5:00 PM - 6:00 PM	61	0	61	635	13	648	65	5	70	761	18	779
PASSENGER	235 99.2%			2940 96.4%			265 81.0%			3440 95.2%		
TRUCK	2 0.8%			109 3.6%			62 19.0%			173 4.8%		
BOTH	237 6.6%			3049 84.4%			327 9.1%			3613 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	32	2	34	180	13	193	10	1	11	222	16	238
7:00 AM - 8:00 AM	69	6	75	480	20	500	35	3	38	584	29	613
8:00 AM - 9:00 AM	35	0	35	204	17	221	27	1	28	266	18	284
PM TIME PERIOD												
2:00 PM - 3:00 PM	70	11	81	429	36	465	44	1	45	543	48	591
3:00 PM - 4:00 PM	80	7	87	502	17	519	54	1	55	636	25	661
4:00 PM - 5:00 PM	91	2	93	545	18	563	32	1	33	668	21	689
5:00 PM - 6:00 PM	92	0	92	493	6	499	38	0	38	623	6	629
PASSENGER	469 94.4%			2833 95.7%			240 96.8%			3542 95.6%		
TRUCK	28 5.6%			127 4.3%			8 3.2%			163 4.4%		
BOTH	497 13.4%			2960 79.9%			248 6.7%			3705 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 38 & SR 32 (#107)  
9/30/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	25	12	12	49					43	35	35
SOUTHBOUND	350	52	74	476					372	20	81	473
EASTBOUND	36	550	45	631					77	839	14	930
WESTBOUND	26	605	205	836					35	618	407	1060

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.82					0.83
SOUTHBOUND	0.93	0.93				0.95	0.95
EASTBOUND	0.87					0.95	
WESTBOUND	0.93					0.89	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	16.7%	0.0%	4.1%					0.0%	2.9%	2.9%
SOUTHBOUND	2.3%	0.0%	4.1%	2.3%					3.5%	5.0%	1.2%	3.2%
EASTBOUND	5.6%	5.5%	2.2%	5.2%					1.3%	1.0%	0.0%	1.0%
WESTBOUND	0.0%	7.3%	3.4%	6.1%					0.0%	1.8%	1.2%	1.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	5	192	197	192	407	599	796
7:00 AM	TO	8:00 AM	33	447	480	659	843	1502	1982
8:00 AM	TO	9:00 AM	30	225	255	275	397	672	927
2:00 PM	TO	3:00 PM	99	389	488	735	959	1694	2182
3:00 PM	TO	4:00 PM	118	403	521	805	950	1755	2276
4:00 PM	TO	5:00 PM	100	436	536	891	950	1841	2377
5:00 PM	TO	6:00 PM	113	473	586	930	1060	1990	2576
TOTAL VOLUME			498	2565	3063	4487	5566	10053	13116
PERCENTAGE			3.8%	19.6%	23.4%	34.2%	42.4%	76.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 38 & SR 32 (#107)  
9/30/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	1	0	1	0	0	0	5	0	5
7:00 AM - 8:00 AM	16	0	16	6	0	6	11	0	11	33	0	33
8:00 AM - 9:00 AM	15	0	15	5	2	7	8	0	8	28	2	30
PM TIME PERIOD												
2:00 PM - 3:00 PM	42	2	44	23	0	23	32	0	32	97	2	99
3:00 PM - 4:00 PM	38	0	38	39	0	39	41	0	41	118	0	118
4:00 PM - 5:00 PM	40	1	41	31	0	31	28	0	28	99	1	100
5:00 PM - 6:00 PM	43	0	43	34	1	35	34	1	35	111	2	113
PASSENGER	198 98.5%			139 97.9%			154 99.4%			491 98.6%		
TRUCK	3 1.5%			3 2.1%			1 0.6%			7 1.4%		
BOTH	201 40.4%			142 28.5%			155 31.1%			498 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	147	1	148	19	0	19	25	0	25	191	1	192
7:00 AM - 8:00 AM	337	6	343	54	0	54	46	4	50	437	10	447
8:00 AM - 9:00 AM	158	5	163	20	0	20	41	1	42	219	6	225
PM TIME PERIOD												
2:00 PM - 3:00 PM	253	22	275	21	0	21	92	1	93	366	23	389
3:00 PM - 4:00 PM	283	16	299	25	0	25	78	1	79	386	17	403
4:00 PM - 5:00 PM	318	7	325	23	0	23	86	2	88	427	9	436
5:00 PM - 6:00 PM	359	13	372	19	1	20	80	1	81	458	15	473
PASSENGER	1855 96.4%			181 99.5%			448 97.8%			2484 96.8%		
TRUCK	70 3.6%			1 0.5%			10 2.2%			81 3.2%		
BOTH	1925 75.0%			182 7.1%			458 17.9%			2565 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	7	0	7	172	3	175	10	0	10	189	3	192
7:00 AM - 8:00 AM	30	3	33	553	33	586	39	1	40	622	37	659
8:00 AM - 9:00 AM	13	1	14	229	18	247	14	0	14	256	19	275
PM TIME PERIOD												
2:00 PM - 3:00 PM	80	1	81	599	29	628	24	2	26	703	32	735
3:00 PM - 4:00 PM	81	2	83	670	33	703	18	1	19	769	36	805
4:00 PM - 5:00 PM	80	3	83	771	20	791	16	1	17	867	24	891
5:00 PM - 6:00 PM	76	1	77	831	8	839	14	0	14	921	9	930
PASSENGER	367 97.1%			3825 96.4%			135 96.4%			4327 96.4%		
TRUCK	11 2.9%			144 3.6%			5 3.6%			160 3.6%		
BOTH	378 8.4%			3969 88.5%			140 3.1%			4487 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	16	0	16	300	13	313	76	2	78	392	15	407
7:00 AM - 8:00 AM	30	1	31	578	30	608	199	5	204	807	36	843
8:00 AM - 9:00 AM	13	0	13	260	25	285	94	5	99	367	30	397
PM TIME PERIOD												
2:00 PM - 3:00 PM	46	4	50	590	30	620	270	19	289	906	53	959
3:00 PM - 4:00 PM	31	1	32	609	22	631	272	15	287	912	38	950
4:00 PM - 5:00 PM	36	0	36	573	12	585	322	7	329	931	19	950
5:00 PM - 6:00 PM	35	0	35	607	11	618	402	5	407	1044	16	1060
PASSENGER	207 97.2%			3517 96.1%			1635 96.6%			5359 96.3%		
TRUCK	6 2.8%			143 3.9%			58 3.4%			207 3.7%		
BOTH	213 3.8%			3660 65.8%			1693 30.4%			5566 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Forrest Ridge Drive/Lakeview Drive & SR 32/38 (#108)  
8/9/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	1		9	10					0		20	20
EASTBOUND	0	838		838					0	1160		1160
WESTBOUND		828	33	861						1048	91	1139

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
SOUTHBOUND	0.63				0.63	
EASTBOUND	0.91	0.91			0.94	0.94
WESTBOUND	0.91				0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	0.0%		0.0%	0.0%					0.0%		5.0%	5.0%
EASTBOUND	0.0%	5.3%		5.3%					0.0%	1.8%		1.8%
WESTBOUND		5.6%	0.0%	5.3%						1.7%	0.0%	1.6%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		4	4	286	338	624	628
7:00 AM	TO	8:00 AM		9	9	850	836	1686	1695
8:00 AM	TO	9:00 AM		9	9	411	399	810	819
2:00 PM	TO	3:00 PM		17	17	898	962	1860	1877
3:00 PM	TO	4:00 PM		16	16	1018	960	1978	1994
4:00 PM	TO	5:00 PM		23	23	1130	1077	2207	2230
5:00 PM	TO	6:00 PM		14	14	1192	1105	2297	2311
TOTAL VOLUME				92	92	5785	5677	11462	11554
PERCENTAGE				0.8%	0.8%	50.1%	49.1%	99.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Forrest Ridge Drive/Lakeview Drive & SR 32/38 (#108)  
8/9/2013

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0				4	0	4	4	0	4
7:00 AM - 8:00 AM	1	0	1				8	0	8	9	0	9
8:00 AM - 9:00 AM	0	0	0				9	0	9	9	0	9
PM TIME PERIOD												
2:00 PM - 3:00 PM	1	0	1				16	0	16	17	0	17
3:00 PM - 4:00 PM	0	0	0				16	0	16	16	0	16
4:00 PM - 5:00 PM	0	0	0				22	1	23	22	1	23
5:00 PM - 6:00 PM	0	0	0				14	0	14	14	0	14
PASSENGER	2 100.0%						89 98.9%			91 98.9%		
TRUCK	0 0.0%						1 1.1%			1 1.1%		
BOTH	2 2.2%						90 97.8%			92 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	280	6	286				280	6	286
7:00 AM - 8:00 AM	0	0	0	812	38	850				812	38	850
8:00 AM - 9:00 AM	0	0	0	384	27	411				384	27	411
PM TIME PERIOD												
2:00 PM - 3:00 PM	1	1	2	847	49	896				848	50	898
3:00 PM - 4:00 PM	1	0	1	971	46	1017				972	46	1018
4:00 PM - 5:00 PM	0	0	0	1086	44	1130				1086	44	1130
5:00 PM - 6:00 PM	0	0	0	1176	16	1192				1176	16	1192
PASSENGER	2 66.7%			5556 96.1%						5558 96.1%		
TRUCK	1 33.3%			226 3.9%						227 3.9%		
BOTH	3 0.1%			5782 99.9%						5785 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				310	13	323	14	1	15	324	14	338
7:00 AM - 8:00 AM				775	38	813	23	0	23	798	38	836
8:00 AM - 9:00 AM				350	22	372	27	0	27	377	22	399
PM TIME PERIOD												
2:00 PM - 3:00 PM				842	51	893	67	2	69	909	53	962
3:00 PM - 4:00 PM				861	38	899	60	1	61	921	39	960
4:00 PM - 5:00 PM				981	27	1008	69	0	69	1050	27	1077
5:00 PM - 6:00 PM				1002	15	1017	88	0	88	1090	15	1105
PASSENGER				5121 96.2%			348 98.9%			5469 96.3%		
TRUCK				204 3.8%			4 1.1%			208 3.7%		
BOTH				5325 93.8%			352 6.2%			5677 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Cicero Road/SR19 & Conner Street/SR32/38 (#109)  
8/8/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	0	1	1					4	0	4	8
SOUTHBOUND	160	0	190	350					79	0	114	193
EASTBOUND	81	779	0	860					166	1142	0	1308
WESTBOUND	1	806	25	832					5	1024	67	1096

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.25				0.50	
SOUTHBOUND	0.77	0.93			0.95	0.98
EASTBOUND	0.97				0.97	
WESTBOUND	0.93				0.97	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	1.9%	0.0%	6.8%	4.6%					5.1%	0.0%	1.8%	3.1%
EASTBOUND	12.3%	5.5%	0.0%	6.2%					0.6%	2.5%	0.0%	2.2%
WESTBOUND	0.0%	4.7%	24.0%	5.3%					0.0%	1.0%	6.0%	1.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0	132	132	303	344	647	779
7:00 AM	TO	8:00 AM	1	338	339	860	796	1656	1995
8:00 AM	TO	9:00 AM	0	134	134	446	378	824	958
2:00 PM	TO	3:00 PM	3	137	140	681	718	1399	1539
3:00 PM	TO	4:00 PM	9	188	197	1101	983	2084	2281
4:00 PM	TO	5:00 PM	8	182	190	1226	1057	2283	2473
5:00 PM	TO	6:00 PM	5	188	193	1268	1032	2300	2493
6:00 PM	TO	7:00 PM	0	48	48	266	229	495	543
TOTAL VOLUME			26	1347	1373	6151		11688	13061
PERCENTAGE			0.2%	10.3%	10.5%	47.1%		89.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cicero Road/SR19 & Conner Street/SR32/38 (#109)  
8/8/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0	0	0	0	1	0	1	1	0	1
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
2:00 PM - 3:00 PM	3	0	3	0	0	0	0	0	0	3	0	3
3:00 PM - 4:00 PM	2	0	2	2	0	2	5	0	5	9	0	9
4:00 PM - 5:00 PM	4	0	4	0	0	0	4	0	4	8	0	8
5:00 PM - 6:00 PM	2	0	2	0	0	0	3	0	3	5	0	5
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	11 100.0%			2 100.0%			13 100.0%			26 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	11 42.3%			2 7.7%			13 50.0%			26 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	33	0	33	0	0	0	90	9	99	123	9	132
7:00 AM - 8:00 AM	153	1	154	0	0	0	174	10	184	327	11	338
8:00 AM - 9:00 AM	54	5	59	0	0	0	71	4	75	125	9	134
PM TIME PERIOD												
2:00 PM - 3:00 PM	58	5	63	0	0	0	62	12	74	120	17	137
3:00 PM - 4:00 PM	66	1	67	0	0	0	116	5	121	182	6	188
4:00 PM - 5:00 PM	78	6	84	0	0	0	93	5	98	171	11	182
5:00 PM - 6:00 PM	67	3	70	0	0	0	118	0	118	185	3	188
6:00 PM - 7:00 PM	18	1	19	0	0	0	29	0	29	47	1	48
PASSENGER	527 96.0%			0 #DIV/0!			753 94.4%			1280 95.0%		
TRUCK	22 4.0%			0 #DIV/0!			45 5.6%			67 5.0%		
BOTH	549 40.8%			0 0.0%			798 59.2%			1347 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	53	4	57	242	4	246	0	0	0	295	8	303
7:00 AM - 8:00 AM	94	8	102	719	39	758	0	0	0	813	47	860
8:00 AM - 9:00 AM	36	6	42	376	28	404	0	0	0	412	34	446
PM TIME PERIOD												
2:00 PM - 3:00 PM	81	5	86	567	27	594	1	0	1	649	32	681
3:00 PM - 4:00 PM	153	6	159	905	37	942	0	0	0	1058	43	1101
4:00 PM - 5:00 PM	140	16	156	1040	29	1069	1	0	1	1181	45	1226
5:00 PM - 6:00 PM	187	0	187	1057	24	1081	0	0	0	1244	24	1268
6:00 PM - 7:00 PM	43	0	43	220	3	223	0	0	0	263	3	266
PASSENGER	787 94.6%			5126 96.4%			2 100.0%			5915 96.2%		
TRUCK	45 5.4%			191 3.6%			0 0.0%			236 3.8%		
BOTH	832 13.5%			5317 86.4%			2 0.0%			6151 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	326	8	334	9	0	9	336	8	344
7:00 AM - 8:00 AM	1	0	1	735	31	766	23	6	29	759	37	796
8:00 AM - 9:00 AM	1	0	1	340	24	364	11	2	13	352	26	378
PM TIME PERIOD												
2:00 PM - 3:00 PM	4	0	4	649	22	671	40	3	43	693	25	718
3:00 PM - 4:00 PM	7	0	7	881	33	914	59	3	62	947	36	983
4:00 PM - 5:00 PM	6	0	6	983	14	997	50	4	54	1039	18	1057
5:00 PM - 6:00 PM	2	0	2	967	2	969	57	4	61	1026	6	1032
6:00 PM - 7:00 PM	2	0	2	209	3	212	15	0	15	226	3	229
PASSENGER	24 100.0%			5090 97.4%			264 92.3%			5378 97.1%		
TRUCK	0 0.0%			137 2.6%			22 7.7%			159 2.9%		
BOTH	24 0.4%			5227 94.4%			286 5.2%			5537 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Conner St & 10th St(#110)  
3/5/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	68	100	24	192					136	268	38
SOUTHBOUND	35	175	24	234					60	172	21	253
EASTBOUND	13	337	65	415					22	471	61	554
WESTBOUND	31	488	18	537					26	413	19	458

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.76					0.95
SOUTHBOUND	0.84	0.91				0.93	0.95
EASTBOUND	0.79					0.93	
WESTBOUND	0.87					0.95	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	4.4%	7.0%	12.5%	6.8%					2.9%	1.1%	0.0%
SOUTHBOUND	0.0%	3.4%	4.2%	3.0%					0.0%	0.6%	4.8%	0.8%
EASTBOUND	0.0%	6.5%	1.5%	5.5%					0.0%	5.7%	4.9%	5.4%
WESTBOUND	6.5%	5.3%	5.6%	5.4%					3.8%	4.1%	0.0%	3.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	62	74	136	105	202	307	443
7:00 AM	TO	8:00 AM	213	231	444	408	514	922	1366
8:00 AM	TO	9:00 AM	72	88	160	202	236	438	598
2:00 PM	TO	3:00 PM	328	222	550	497	504	1001	1551
3:00 PM	TO	4:00 PM	356	241	597	557	488	1045	1642
4:00 PM	TO	5:00 PM	430	252	682	567	444	1011	1693
5:00 PM	TO	6:00 PM	417	239	656	463	451	914	1570
TOTAL VOLUME			1878	1347	3225	2799	2839	5638	8863
PERCENTAGE			21.2%	15.2%	36.4%	31.6%	32.0%	63.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Conner St & 10th St(#110)  
3/5/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	21	1	22	31	0	31	9	0	9	61	1	62
7:00 AM - 8:00 AM	63	3	66	112	7	119	25	3	28	200	13	213
8:00 AM - 9:00 AM	28	1	29	36	2	38	5	0	5	69	3	72
PM TIME PERIOD												
2:00 PM - 3:00 PM	107	7	114	167	2	169	43	2	45	317	11	328
3:00 PM - 4:00 PM	110	2	112	207	8	215	29	0	29	346	10	356
4:00 PM - 5:00 PM	130	4	134	253	9	262	34	0	34	417	13	430
5:00 PM - 6:00 PM	108	0	108	271	0	271	38	0	38	417	0	417
PASSENGER	567 96.9%			1077 97.5%			183 97.3%			1827 97.3%		
TRUCK	18 3.1%			28 2.5%			5 2.7%			51 2.7%		
BOTH	585 31.2%			1105 58.8%			188 10.0%			1878 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	16	0	16	46	9	55	2	1	3	64	10	74
7:00 AM - 8:00 AM	31	0	31	174	6	180	18	2	20	223	8	231
8:00 AM - 9:00 AM	16	0	16	59	2	61	10	1	11	85	3	88
PM TIME PERIOD												
2:00 PM - 3:00 PM	57	0	57	134	11	145	20	0	20	211	11	222
3:00 PM - 4:00 PM	66	0	66	150	6	156	19	0	19	235	6	241
4:00 PM - 5:00 PM	61	0	61	174	0	174	16	1	17	251	1	252
5:00 PM - 6:00 PM	47	0	47	162	4	166	26	0	26	235	4	239
PASSENGER	294 100.0%			899 95.9%			111 95.7%			1304 96.8%		
TRUCK	0 0.0%			38 4.1%			5 4.3%			43 3.2%		
BOTH	294 21.8%			937 69.6%			116 8.6%			1347 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	89	5	94	9	1	10	99	6	105
7:00 AM - 8:00 AM	11	0	11	314	22	336	61	0	61	386	22	408
8:00 AM - 9:00 AM	10	0	10	151	12	163	25	4	29	186	16	202
PM TIME PERIOD												
2:00 PM - 3:00 PM	16	0	16	383	26	409	70	2	72	469	28	497
3:00 PM - 4:00 PM	17	0	17	440	28	468	67	5	72	524	33	557
4:00 PM - 5:00 PM	22	0	22	447	31	478	64	3	67	533	34	567
5:00 PM - 6:00 PM	18	0	18	380	15	395	50	0	50	448	15	463
PASSENGER	95 100.0%			2204 94.1%			346 95.8%			2645 94.5%		
TRUCK	0 0.0%			139 5.9%			15 4.2%			154 5.5%		
BOTH	95 3.4%			2343 83.7%			361 12.9%			2799 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	10	0	10	183	5	188	4	0	4	197	5	202
7:00 AM - 8:00 AM	29	1	30	440	29	469	14	1	15	483	31	514
8:00 AM - 9:00 AM	10	2	12	197	12	209	14	1	15	221	15	236
PM TIME PERIOD												
2:00 PM - 3:00 PM	27	2	29	409	32	441	33	1	34	469	35	504
3:00 PM - 4:00 PM	39	3	42	398	28	426	18	2	20	455	33	488
4:00 PM - 5:00 PM	26	0	26	380	17	397	21	0	21	427	17	444
5:00 PM - 6:00 PM	27	1	28	391	14	405	18	0	18	436	15	451
PASSENGER	168 94.9%			2398 94.6%			122 96.1%			2688 94.7%		
TRUCK	9 5.1%			137 5.4%			5 3.9%			151 5.3%		
BOTH	177 6.2%			2535 89.3%			127 4.5%			2839 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Conner St. & 16th St. (#111)  
 2/20/2013  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	2	27	7	36					7	52	7	66
SOUTHBOUND	90	32	16	138					104	43	17	164
EASTBOUND	23	397	3	423					15	581	7	603
WESTBOUND	6	602	46	654					10	538	95	643

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.45	0.87			0.79	0.95
SOUTHBOUND	0.82				0.91	
EASTBOUND	0.76				0.90	
WESTBOUND	0.83				0.96	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	3.7%	14.3%	5.6%					0.0%	0.0%	14.3%	1.5%
SOUTHBOUND	13.3%	6.3%	6.3%	10.9%					1.9%	0.0%	5.9%	1.8%
EASTBOUND	8.7%	6.8%	0.0%	6.9%					0.0%	3.1%	0.0%	3.0%
WESTBOUND	0.0%	5.5%	2.2%	5.2%					0.0%	2.0%	1.1%	1.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	7	30	37	134	161	295	332
7:00 AM	TO	8:00 AM	40	136	176	426	647	1073	1249
8:00 AM	TO	9:00 AM	7	52	59	187	275	462	521
2:00 PM	TO	3:00 PM	38	126	164	542	646	1188	1352
3:00 PM	TO	4:00 PM	41	153	194	527	624	1151	1345
4:00 PM	TO	5:00 PM	54	130	184	593	613	1206	1390
5:00 PM	TO	6:00 PM	56	172	228	561	603	1164	1392
TOTAL VOLUME			243	799	1042	2970	3569	6539	7581
PERCENTAGE			3.2%	10.5%	13.7%	39.2%	47.1%	86.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Conner St. & 16th St. (#111)  
2/20/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	4	1	5	2	0	2	6	1	7
7:00 AM - 8:00 AM	3	0	3	28	3	31	5	1	6	36	4	40
8:00 AM - 9:00 AM	0	0	0	6	0	6	1	0	1	7	0	7
PM TIME PERIOD												
2:00 PM - 3:00 PM	5	0	5	26	1	27	6	0	6	37	1	38
3:00 PM - 4:00 PM	3	4	7	24	2	26	8	0	8	35	6	41
4:00 PM - 5:00 PM	3	0	3	43	1	44	7	0	7	53	1	54
5:00 PM - 6:00 PM	8	0	8	42	0	42	5	1	6	55	1	56
PASSENGER	22 84.6%			173 95.6%			34 94.4%			229 94.2%		
TRUCK	4 15.4%			8 4.4%			2 5.6%			14 5.8%		
BOTH	26 10.7%			181 74.5%			36 14.8%			243 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	19	0	19	6	0	6	5	0	5	30	0	30
7:00 AM - 8:00 AM	75	11	86	31	1	32	18	0	18	124	12	136
8:00 AM - 9:00 AM	36	2	38	6	1	7	4	3	7	46	6	52
PM TIME PERIOD												
2:00 PM - 3:00 PM	62	7	69	32	0	32	24	1	25	118	8	126
3:00 PM - 4:00 PM	89	4	93	37	0	37	17	6	23	143	10	153
4:00 PM - 5:00 PM	80	2	82	37	1	38	10	0	10	127	3	130
5:00 PM - 6:00 PM	109	1	110	47	0	47	14	1	15	170	2	172
PASSENGER	470 94.6%			196 98.5%			92 89.3%			758 94.9%		
TRUCK	27 5.4%			3 1.5%			11 10.7%			41 5.1%		
BOTH	497 62.2%			199 24.9%			103 12.9%			799 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	129	3	132	0	0	0	131	3	134
7:00 AM - 8:00 AM	28	3	31	369	23	392	3	0	3	400	26	426
8:00 AM - 9:00 AM	0	0	0	168	17	185	2	0	2	170	17	187
PM TIME PERIOD												
2:00 PM - 3:00 PM	7	0	7	496	35	531	4	0	4	507	35	542
3:00 PM - 4:00 PM	15	0	15	482	27	509	3	0	3	500	27	527
4:00 PM - 5:00 PM	15	0	15	559	17	576	2	0	2	576	17	593
5:00 PM - 6:00 PM	11	0	11	526	17	543	7	0	7	544	17	561
PASSENGER	78 96.3%			2729 95.2%			21 100.0%			2828 95.2%		
TRUCK	3 3.7%			139 4.8%			0 0.0%			142 4.8%		
BOTH	81 2.7%			2868 96.6%			21 0.7%			2970 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	148	8	156	5	0	5	153	8	161
7:00 AM - 8:00 AM	5	0	5	557	32	589	52	1	53	614	33	647
8:00 AM - 9:00 AM	1	0	1	241	21	262	12	0	12	254	21	275
PM TIME PERIOD												
2:00 PM - 3:00 PM	7	1	8	543	34	577	60	1	61	610	36	646
3:00 PM - 4:00 PM	8	0	8	529	23	552	63	1	64	600	24	624
4:00 PM - 5:00 PM	4	0	4	516	20	536	71	2	73	591	22	613
5:00 PM - 6:00 PM	8	0	8	497	9	506	89	0	89	594	9	603
PASSENGER	33 97.1%			3031 95.4%			352 98.6%			3416 95.7%		
TRUCK	1 2.9%			147 4.6%			5 1.4%			153 4.3%		
BOTH	34 1.0%			3178 89.0%			357 10.0%			3569 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Conner St. & Cumberland Rd (#112)  
2/21/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	45	198	10	253					64	205	75	344
SOUTHBOUND	160	107	85	352					209	177	110	496
EASTBOUND	73	357	24	454					113	568	30	711
WESTBOUND	5	555	125	685					11	437	114	562

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.57	0.82			0.92	0.96
SOUTHBOUND	0.74				0.85	
EASTBOUND	0.85				0.97	
WESTBOUND	0.93				0.95	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	4.4%	3.0%	0.0%	3.2%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	5.0%	3.7%	7.1%	5.1%					0.5%	0.0%	0.9%	0.4%
EASTBOUND	2.7%	7.3%	4.2%	6.4%					1.8%	3.3%	0.0%	3.0%
WESTBOUND	0.0%	4.5%	1.6%	3.9%					0.0%	3.0%	1.8%	2.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	41	86	127	156	215	371	498
7:00 AM	TO	8:00 AM	253	352	605	454	685	1139	1744
8:00 AM	TO	9:00 AM	69	128	197	205	241	446	643
2:00 PM	TO	3:00 PM	280	467	747	602	550	1152	1899
3:00 PM	TO	4:00 PM	290	393	683	743	544	1287	1970
4:00 PM	TO	5:00 PM	331	476	807	665	568	1233	2040
5:00 PM	TO	6:00 PM	374	418	792	586	580	1166	1958
TOTAL VOLUME			1638	2320	3958	3411	3383	6794	10752
PERCENTAGE			15.2%	21.6%	36.8%	31.7%	31.5%	63.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Conner St. & Cumberland Rd (#112)  
2/21/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	14	1	15	22	2	24	2	0	2	38	3	41
7:00 AM - 8:00 AM	43	2	45	192	6	198	10	0	10	245	8	253
8:00 AM - 9:00 AM	18	1	19	33	4	37	11	2	13	62	7	69
PM TIME PERIOD												
2:00 PM - 3:00 PM	62	2	64	164	5	169	45	2	47	271	9	280
3:00 PM - 4:00 PM	76	2	78	136	11	147	64	1	65	276	14	290
4:00 PM - 5:00 PM	60	0	60	192	5	197	73	1	74	325	6	331
5:00 PM - 6:00 PM	74	0	74	228	1	229	71	0	71	373	1	374
PASSENGER	347 97.7%			967 96.6%			276 97.9%			1590 97.1%		
TRUCK	8 2.3%			34 3.4%			6 2.1%			48 2.9%		
BOTH	355 21.7%			1001 61.1%			282 17.2%			1638 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	41	8	49	15	0	15	21	1	22	77	9	86
7:00 AM - 8:00 AM	152	8	160	103	4	107	79	6	85	334	18	352
8:00 AM - 9:00 AM	66	3	69	31	1	32	27	0	27	124	4	128
PM TIME PERIOD												
2:00 PM - 3:00 PM	188	9	197	168	2	170	97	3	100	453	14	467
3:00 PM - 4:00 PM	147	4	151	143	8	151	87	4	91	377	16	393
4:00 PM - 5:00 PM	198	3	201	183	1	184	89	2	91	470	6	476
5:00 PM - 6:00 PM	168	0	168	154	0	154	96	0	96	418	0	418
PASSENGER	960 96.5%			797 98.0%			496 96.9%			2253 97.1%		
TRUCK	35 3.5%			16 2.0%			16 3.1%			67 2.9%		
BOTH	995 42.9%			813 35.0%			512 22.1%			2320 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	19	2	21	125	5	130	5	0	5	149	7	156
7:00 AM - 8:00 AM	71	2	73	331	26	357	23	1	24	425	29	454
8:00 AM - 9:00 AM	31	1	32	142	22	164	9	0	9	182	23	205
PM TIME PERIOD												
2:00 PM - 3:00 PM	81	1	82	440	30	470	48	2	50	569	33	602
3:00 PM - 4:00 PM	87	4	91	569	31	600	52	0	52	708	35	743
4:00 PM - 5:00 PM	98	4	102	513	21	534	29	0	29	640	25	665
5:00 PM - 6:00 PM	106	1	107	417	22	439	40	0	40	563	23	586
PASSENGER	493 97.0%			2537 94.2%			206 98.6%			3236 94.9%		
TRUCK	15 3.0%			157 5.8%			3 1.4%			175 5.1%		
BOTH	508 14.9%			2694 79.0%			209 6.1%			3411 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	185	5	190	22	0	22	210	5	215
7:00 AM - 8:00 AM	5	0	5	530	25	555	123	2	125	658	27	685
8:00 AM - 9:00 AM	9	0	9	184	20	204	27	1	28	220	21	241
PM TIME PERIOD												
2:00 PM - 3:00 PM	9	1	10	408	31	439	100	1	101	517	33	550
3:00 PM - 4:00 PM	19	0	19	398	32	430	94	1	95	511	33	544
4:00 PM - 5:00 PM	21	1	22	421	25	446	96	4	100	538	30	568
5:00 PM - 6:00 PM	9	0	9	425	4	429	141	1	142	575	5	580
PASSENGER	75 97.4%			2551 94.7%			603 98.4%			3229 95.4%		
TRUCK	2 2.6%			142 5.3%			10 1.6%			154 4.6%		
BOTH	77 2.3%			2693 79.6%			613 18.1%			3383 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
SR 32/38 & SR 37 (#113)  
3/27/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	179	405	93	<b>677</b>					311	951	308
SOUTHBOUND	74	1047	142	<b>1263</b>					64	625	66	<b>755</b>
EASTBOUND	31	239	268	<b>538</b>					94	411	313	<b>818</b>
WESTBOUND	267	466	85	<b>818</b>					168	269	146	<b>583</b>

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.86					0.90
SOUTHBOUND	0.87	<b>0.92</b>				0.75	<b>0.92</b>
EASTBOUND	0.89					0.95	
WESTBOUND	0.89					0.91	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	3.4%	5.7%	5.4%	5.0%					2.6%	1.9%	1.9%
SOUTHBOUND	5.4%	3.9%	4.2%	4.0%					1.6%	3.2%	3.0%	3.0%
EASTBOUND	12.9%	4.6%	5.6%	5.6%					2.1%	2.9%	1.9%	2.4%
WESTBOUND	4.5%	3.4%	0.0%	3.4%					1.2%	4.1%	3.4%	3.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	181	530	711	203	285	488	1199
7:00 AM	TO	8:00 AM	677	1263	1940	538	818	1356	3296
8:00 AM	TO	9:00 AM	293	520	813	280	264	544	1357
2:00 PM	TO	3:00 PM	928	524	1452	711	463	1174	2626
3:00 PM	TO	4:00 PM	1081	673	1754	752	555	1307	3061
4:00 PM	TO	5:00 PM	1370	671	2041	834	594	1428	3469
5:00 PM	TO	6:00 PM	1533	776	2309	733	561	1294	3603
TOTAL VOLUME			6063	4957	11020	4051	3540	7591	18611
PERCENTAGE			32.6%	26.6%	59.2%	21.8%	19.0%	40.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
SR 32/38 & SR 37 (#113)  
3/27/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	48	5	53	96	11	107	20	1	21	164	17	181
7:00 AM - 8:00 AM	173	6	179	382	23	405	88	5	93	643	34	677
8:00 AM - 9:00 AM	99	2	101	129	16	145	43	4	47	271	22	293
PM TIME PERIOD												
2:00 PM - 3:00 PM	284	10	294	469	34	503	122	9	131	875	53	928
3:00 PM - 4:00 PM	244	9	253	607	36	643	179	6	185	1030	51	1081
4:00 PM - 5:00 PM	285	9	294	746	27	773	298	5	303	1329	41	1370
5:00 PM - 6:00 PM	269	5	274	954	21	975	280	4	284	1503	30	1533
PASSENGER	1402 96.8%			3383 95.3%			1030 96.8%			5815 95.9%		
TRUCK	46 3.2%			168 4.7%			34 3.2%			248 4.1%		
BOTH	1448 23.9%			3551 58.6%			1064 17.5%			6063 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	10	0	10	477	11	488	31	1	32	518	12	530
7:00 AM - 8:00 AM	70	4	74	1006	41	1047	136	6	142	1212	51	1263
8:00 AM - 9:00 AM	25	2	27	434	15	449	41	3	44	500	20	520
PM TIME PERIOD												
2:00 PM - 3:00 PM	46	4	50	367	49	416	56	2	58	469	55	524
3:00 PM - 4:00 PM	70	3	73	509	33	542	54	4	58	633	40	673
4:00 PM - 5:00 PM	57	1	58	508	38	546	64	3	67	629	42	671
5:00 PM - 6:00 PM	77	0	77	629	12	641	57	1	58	763	13	776
PASSENGER	355 96.2%			3930 95.2%			439 95.6%			4724 95.3%		
TRUCK	14 3.8%			199 4.8%			20 4.4%			233 4.7%		
BOTH	369 7.4%			4129 83.3%			459 9.3%			4957 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	2	8	79	2	81	104	10	114	189	14	203
7:00 AM - 8:00 AM	27	4	31	228	11	239	253	15	268	508	30	538
8:00 AM - 9:00 AM	12	0	12	114	9	123	135	10	145	261	19	280
PM TIME PERIOD												
2:00 PM - 3:00 PM	58	5	63	258	19	277	355	16	371	671	40	711
3:00 PM - 4:00 PM	85	3	88	293	15	308	336	20	356	714	38	752
4:00 PM - 5:00 PM	85	7	92	398	11	409	327	6	333	810	24	834
5:00 PM - 6:00 PM	79	0	79	367	7	374	272	8	280	718	15	733
PASSENGER	352 94.4%			1737 95.9%			1782 95.4%			3871 95.6%		
TRUCK	21 5.6%			74 4.1%			85 4.6%			180 4.4%		
BOTH	373 9.2%			1811 44.7%			1867 46.1%			4051 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	97	1	98	166	5	171	16	0	16	279	6	285
7:00 AM - 8:00 AM	255	12	267	450	16	466	85	0	85	790	28	818
8:00 AM - 9:00 AM	92	4	96	137	12	149	19	0	19	248	16	264
PM TIME PERIOD												
2:00 PM - 3:00 PM	151	9	160	214	19	233	67	3	70	432	31	463
3:00 PM - 4:00 PM	187	4	191	267	15	282	77	5	82	531	24	555
4:00 PM - 5:00 PM	169	3	172	274	15	289	127	6	133	570	24	594
5:00 PM - 6:00 PM	175	4	179	250	10	260	118	4	122	543	18	561
PASSENGER	1126 96.8%			1758 95.0%			509 96.6%			3393 95.8%		
TRUCK	37 3.2%			92 5.0%			18 3.4%			147 4.2%		
BOTH	1163 32.9%			1850 52.3%			527 14.9%			3540 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Promise Road & SR 38/32 #114  
4/9/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	5	1	3	9					13	3	2
SOUTHBOUND	125	4	71	200					75	0	78	153
EASTBOUND	22	333	17	372					91	747	4	842
WESTBOUND	5	697	51	753					1	488	105	594

PEAK HOUR FACTOR								
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR			PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION		APPROACH	INTERSECTION
	NORTHBOUND	0.56						0.45
SOUTHBOUND	0.75	0.94					0.77	0.99
EASTBOUND	0.85						0.94	
WESTBOUND	0.89						0.91	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	20.0%	0.0%	0.0%	11.1%					7.7%	0.0%	0.0%
SOUTHBOUND	4.0%	0.0%	5.6%	4.5%					5.3%	0.0%	0.0%	2.6%
EASTBOUND	9.1%	3.6%	5.9%	4.0%					1.1%	4.7%	0.0%	4.3%
WESTBOUND	0.0%	6.0%	5.9%	6.0%					0.0%	4.5%	2.9%	4.2%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	2	135	137	176	494	670	807
7:00 AM	TO	8:00 AM	9	200	209	372	753	1125	1334
8:00 AM	TO	9:00 AM	15	109	124	326	503	829	953
3:00 PM	TO	4:00 PM	5	44	49	321	261	582	631
4:00 PM	TO	5:00 PM	14	129	143	805	548	1353	1496
5:00 PM	TO	6:00 PM	18	134	152	846	603	1449	1601
6:00 PM	TO	7:00 PM	5	61	66	315	248	563	629
TOTAL VOLUME			68	812	880	3161		6571	7451
PERCENTAGE			0.9%	10.9%	11.8%	42.4%		88.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Promise Road & SR 38/32 #114  
4/9/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	0	0	0	1	0	1	2	0	2
7:00 AM - 8:00 AM	4	1	5	1	0	1	3	0	3	8	1	9
8:00 AM - 9:00 AM	5	5	10	1	2	3	2	0	2	8	7	15
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	0	0	0	2	1	3	4	1	5
4:00 PM - 5:00 PM	7	1	8	2	1	3	3	0	3	12	2	14
5:00 PM - 6:00 PM	12	1	13	3	0	3	2	0	2	17	1	18
6:00 PM - 7:00 PM	3	0	3	0	0	0	2	0	2	5	0	5
PASSENGER	34 81.0%			7 70.0%			15 93.8%			56 82.4%		
TRUCK	8 19.0%			3 30.0%			1 6.3%			12 17.6%		
BOTH	42 61.8%			10 14.7%			16 23.5%			68 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	73	2	75	2	0	2	57	1	58	132	3	135
7:00 AM - 8:00 AM	120	5	125	4	0	4	67	4	71	191	9	200
8:00 AM - 9:00 AM	38	4	42	1	0	1	65	1	66	104	5	109
PM TIME PERIOD												
3:00 PM - 4:00 PM	12	3	15	0	0	0	29	0	29	41	3	44
4:00 PM - 5:00 PM	68	2	70	2	1	3	56	0	56	126	3	129
5:00 PM - 6:00 PM	57	5	62	0	0	0	71	1	72	128	6	134
6:00 PM - 7:00 PM	23	1	24	0	0	0	36	1	37	59	2	61
PASSENGER	391 94.7%			9 90.0%			381 97.9%			781 96.2%		
TRUCK	22 5.3%			1 10.0%			8 2.1%			31 3.8%		
BOTH	413 50.9%			10 1.2%			389 47.9%			812 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	1	7	159	7	166	3	0	3	168	8	176
7:00 AM - 8:00 AM	20	2	22	321	12	333	16	1	17	357	15	372
8:00 AM - 9:00 AM	19	2	21	266	37	303	2	0	2	287	39	326
PM TIME PERIOD												
3:00 PM - 4:00 PM	22	3	25	284	8	292	2	2	4	308	13	321
4:00 PM - 5:00 PM	65	3	68	703	24	727	8	2	10	776	29	805
5:00 PM - 6:00 PM	103	0	103	714	24	738	5	0	5	822	24	846
6:00 PM - 7:00 PM	45	2	47	254	9	263	3	2	5	302	13	315
PASSENGER	280 95.6%			2701 95.7%			39 84.8%			3020 95.5%		
TRUCK	13 4.4%			121 4.3%			7 15.2%			141 4.5%		
BOTH	293 9.3%			2822 89.3%			46 1.5%			3161 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	467	10	477	15	0	15	484	10	494
7:00 AM - 8:00 AM	5	0	5	655	42	697	48	3	51	708	45	753
8:00 AM - 9:00 AM	0	0	0	436	31	467	30	6	36	466	37	503
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	203	10	213	44	4	48	247	14	261
4:00 PM - 5:00 PM	0	0	0	430	21	451	94	3	97	524	24	548
5:00 PM - 6:00 PM	1	0	1	464	19	483	115	4	119	580	23	603
6:00 PM - 7:00 PM	0	0	0	199	8	207	41	0	41	240	8	248
PASSENGER	8 100.0%			2854 95.3%			387 95.1%			3249 95.3%		
TRUCK	0 0.0%			141 4.7%			20 4.9%			161 4.7%		
BOTH	8 0.2%			2995 87.8%			407 11.9%			3410 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 SR 38 & SR 32 (#115)  
 9/6/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	345		1	346					378		1
EASTBOUND		144	301	445						404	373	777
WESTBOUND	3	400		403					3	197		200

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.78				0.89
EASTBOUND	0.90	0.93			0.90	0.93
WESTBOUND	0.93				0.91	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	6.4%		0.0%	6.4%					5.3%		0.0%
EASTBOUND		3.5%	3.3%	3.4%						1.0%	6.4%	3.6%
WESTBOUND	0.0%	2.5%		2.5%					0.0%	2.0%		2.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	203		203	237	343	580	783
7:00 AM	TO	8:00 AM	346		346	445	403	848	1194
8:00 AM	TO	9:00 AM	302		302	371	288	659	961
3:00 PM	TO	4:00 PM	113		113	370	99	469	582
4:00 PM	TO	5:00 PM	300		300	743	174	917	1217
5:00 PM	TO	6:00 PM	406		406	754	196	950	1356
6:00 PM	TO	7:00 PM	168		168	349	71	420	588
TOTAL VOLUME			1838		1838	3269	1574	4843	6681
PERCENTAGE			27.5%		27.5%	48.9%	23.6%	72.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 38 & SR 32 (#115)  
9/6/2013

DIRECTION OF TRAVEL : NORTHBOUND

HR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	193	9	202				1	0	1	194	9	203
7:00 AM - 8:00 AM	323	22	345				1	0	1	324	22	346
8:00 AM - 9:00 AM	283	19	302				0	0	0	283	19	302
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	98	14	112				1	0	1	99	14	113
4:00 PM - 5:00 PM	279	20	299				1	0	1	280	20	300
5:00 PM - 6:00 PM	388	17	405				1	0	1	389	17	406
6:00 PM - 7:00 PM	164	4	168				0	0	0	164	4	168
PASSENGER	1728 94.3%						5 100.0%			1733 94.3%		
TRUCK	105 5.7%						0 0.0%			105 5.7%		
BOTH	1833 99.7%						5 0.3%			1838 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				72	1	73	158	6	164	230	7	237
7:00 AM - 8:00 AM				139	5	144	291	10	301	430	15	445
8:00 AM - 9:00 AM				133	10	143	206	22	228	339	32	371
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				176	8	184	175	11	186	351	19	370
4:00 PM - 5:00 PM				376	12	388	342	13	355	718	25	743
5:00 PM - 6:00 PM				374	4	378	355	21	376	729	25	754
6:00 PM - 7:00 PM				160	5	165	178	6	184	338	11	349
PASSENGER				1430 96.9%			1705 95.0%			3135 95.9%		
TRUCK				45 3.1%			89 5.0%			134 4.1%		
BOTH				1475 45.1%			1794 54.9%			3269 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1	333	9	342				334	9	343
7:00 AM - 8:00 AM	3	0	3	390	10	400				393	10	403
8:00 AM - 9:00 AM	1	0	1	267	20	287				268	20	288
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	1	0	1	93	5	98				94	5	99
4:00 PM - 5:00 PM	0	1	1	169	4	173				169	5	174
5:00 PM - 6:00 PM	3	0	3	188	5	193				191	5	196
6:00 PM - 7:00 PM	0	0	0	70	1	71				70	1	71
PASSENGER	9 90.0%			1510 96.5%						1519 96.5%		
TRUCK	1 10.0%			54 3.5%						55 3.5%		
BOTH	10 0.6%			1564 99.4%						1574 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 32 & Deshane Rd (#116)  
11/20/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0	0	2	2					1	0	0
SOUTHBOUND	3	1	0	4					2	2	5	9
EASTBOUND	0	137	1	138					4	444	0	448
WESTBOUND	0	439	1	440					1	214	4	219

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.50					0.25
SOUTHBOUND	0.50	0.93				0.45	0.95
EASTBOUND	0.66					0.88	
WESTBOUND	0.94					0.94	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%	50.0%	50.0%					0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	20.0%	11.1%
EASTBOUND	0.0%	0.7%	100.0%	1.4%					0.0%	1.8%	0.0%	1.8%
WESTBOUND	0.0%	1.1%	0.0%	1.1%					0.0%	2.8%	25.0%	3.2%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	1	12	13	65	315	380	393
7:00 AM	TO	8:00 AM	2	4	6	138	440	578	584
8:00 AM	TO	9:00 AM	2	6	8	144	242	386	394
3:00 PM	TO	4:00 PM	1	6	7	186	122	308	315
4:00 PM	TO	5:00 PM	2	5	7	442	206	648	655
5:00 PM	TO	6:00 PM	0	10	10	421	220	641	651
6:00 PM	TO	7:00 PM	4	2	6	222	80	302	308
TOTAL VOLUME			12	45	57	1618	1625	3243	3300
PERCENTAGE			0.4%	1.4%	1.7%	49.0%	49.2%	98.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 32 & Deshane Rd (#116)  
11/20/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	0	0	0	0	0	0	1	0	1
7:00 AM - 8:00 AM	0	0	0	0	0	0	1	1	2	1	1	2
8:00 AM - 9:00 AM	0	0	0	0	2	2	0	0	0	0	2	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
4:00 PM - 5:00 PM	1	0	1	1	0	1	0	0	0	2	0	2
5:00 PM - 6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM - 7:00 PM	2	0	2	2	0	2	0	0	0	4	0	4
PASSENGER	4 100.0%			3 60.0%			2 66.7%			9 75.0%		
TRUCK	0 0.0%			2 40.0%			1 33.3%			3 25.0%		
BOTH	4 33.3%			5 41.7%			3 25.0%			12 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	3	6	1	0	1	5	0	5	9	3	12
7:00 AM - 8:00 AM	3	0	3	1	0	1	0	0	0	4	0	4
8:00 AM - 9:00 AM	0	4	4	0	0	0	2	0	2	2	4	6
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	1	1	2	2	1	3	4	2	6
4:00 PM - 5:00 PM	1	0	1	1	0	1	1	2	3	3	2	5
5:00 PM - 6:00 PM	2	0	2	2	0	2	6	0	6	10	0	10
6:00 PM - 7:00 PM	0	0	0	1	0	1	1	0	1	2	0	2
PASSENGER	10 58.8%			7 87.5%			17 85.0%			34 75.6%		
TRUCK	7 41.2%			1 12.5%			3 15.0%			11 24.4%		
BOTH	17 37.8%			8 17.8%			20 44.4%			45 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	62	1	63	0	0	0	64	1	65
7:00 AM - 8:00 AM	0	0	0	136	1	137	0	1	1	136	2	138
8:00 AM - 9:00 AM	1	3	4	136	3	139	1	0	1	138	6	144
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	174	10	184	0	0	0	176	10	186
4:00 PM - 5:00 PM	6	1	7	424	10	434	1	0	1	431	11	442
5:00 PM - 6:00 PM	3	0	3	411	6	417	1	0	1	415	6	421
6:00 PM - 7:00 PM	3	0	3	211	7	218	1	0	1	215	7	222
PASSENGER	17 81.0%			1554 97.6%			4 80.0%			1575 97.3%		
TRUCK	4 19.0%			38 2.4%			1 20.0%			43 2.7%		
BOTH	21 1.3%			1592 98.4%			5 0.3%			1618 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	305	8	313	2	0	2	307	8	315
7:00 AM - 8:00 AM	0	0	0	434	5	439	1	0	1	435	5	440
8:00 AM - 9:00 AM	1	1	2	222	16	238	1	1	2	224	18	242
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	112	8	120	1	1	2	113	9	122
4:00 PM - 5:00 PM	0	0	0	199	4	203	3	0	3	202	4	206
5:00 PM - 6:00 PM	1	0	1	209	7	216	2	1	3	212	8	220
6:00 PM - 7:00 PM	0	0	0	79	0	79	1	0	1	80	0	80
PASSENGER	2 66.7%			1560 97.0%			11 78.6%			1573 96.8%		
TRUCK	1 33.3%			48 3.0%			3 21.4%			52 3.2%		
BOTH	3 0.2%			1608 99.0%			14 0.9%			1625 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 32 & Pennington Rd (#117)  
11/25/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	5	3	0	8					3	12	2	17
SOUTHBOUND	1	6	4	11					0	5	5	10
EASTBOUND	5	139	3	147					4	454	6	464
WESTBOUND	9	438	0	447					2	188	0	190

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.67	0.83			0.61	0.92
SOUTHBOUND	0.69				0.63	
EASTBOUND	0.84				0.89	
WESTBOUND	0.82				0.86	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	16.7%	0.0%	9.1%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	20.0%	0.7%	0.0%	1.4%					0.0%	3.1%	0.0%	3.0%
WESTBOUND	0.0%	4.1%	0.0%	4.0%					0.0%	2.1%	0.0%	2.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	5	11	16	76	310	386	402
7:00 AM	TO	8:00 AM	8	11	19	147	447	594	613
8:00 AM	TO	9:00 AM	5	13	18	143	282	425	443
3:00 PM	TO	4:00 PM	10	4	14	172	103	275	289
4:00 PM	TO	5:00 PM	13	0	13	400	173	573	586
5:00 PM	TO	6:00 PM	15	12	27	470	183	653	680
6:00 PM	TO	7:00 PM	6	5	11	174	87	261	272
TOTAL VOLUME			62	56	118	1582	1585	3167	3285
PERCENTAGE			1.9%	1.7%	3.6%	48.2%	48.2%	96.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 32 & Pennington Rd (#117)  
11/25/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	0	0	0	1	0	1	5	0	5
7:00 AM - 8:00 AM	5	0	5	3	0	3	0	0	0	8	0	8
8:00 AM - 9:00 AM	1	0	1	3	0	3	1	0	1	5	0	5
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	1	3	4	1	5	2	0	2	8	2	10
4:00 PM - 5:00 PM	2	0	2	10	0	10	1	0	1	13	0	13
5:00 PM - 6:00 PM	3	0	3	9	0	9	3	0	3	15	0	15
6:00 PM - 7:00 PM	2	0	2	3	0	3	1	0	1	6	0	6
PASSENGER	19 95.0%			32 97.0%			9 100.0%			60 96.8%		
TRUCK	1 5.0%			1 3.0%			0 0.0%			2 3.2%		
BOTH	20 32.3%			33 53.2%			9 14.5%			62 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	5	1	6	4	0	4	10	1	11
7:00 AM - 8:00 AM	1	0	1	5	1	6	4	0	4	10	1	11
8:00 AM - 9:00 AM	1	0	1	8	0	8	4	0	4	13	0	13
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	2	0	2	2	0	2	4	0	4
4:00 PM - 5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM - 6:00 PM	0	0	0	7	0	7	5	0	5	12	0	12
6:00 PM - 7:00 PM	1	0	1	2	0	2	2	0	2	5	0	5
PASSENGER	4 100.0%			29 93.5%			21 100.0%			54 96.4%		
TRUCK	0 0.0%			2 6.5%			0 0.0%			2 3.6%		
BOTH	4 7.1%			31 55.4%			21 37.5%			56 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1	70	2	72	2	1	3	72	4	76
7:00 AM - 8:00 AM	4	1	5	138	1	139	3	0	3	145	2	147
8:00 AM - 9:00 AM	4	1	5	126	10	136	2	0	2	132	11	143
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	164	5	169	2	0	2	167	5	172
4:00 PM - 5:00 PM	1	0	1	381	11	392	6	1	7	388	12	400
5:00 PM - 6:00 PM	6	0	6	443	14	457	7	0	7	456	14	470
6:00 PM - 7:00 PM	3	0	3	166	4	170	1	0	1	170	4	174
PASSENGER	19 86.4%			1488 96.9%			23 92.0%			1530 96.7%		
TRUCK	3 13.6%			47 3.1%			2 8.0%			52 3.3%		
BOTH	22 1.4%			1535 97.0%			25 1.6%			1582 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	1	5	301	3	304	1	0	1	306	4	310
7:00 AM - 8:00 AM	9	0	9	420	18	438	0	0	0	429	18	447
8:00 AM - 9:00 AM	4	1	5	266	9	275	2	0	2	272	10	282
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	90	11	101	0	1	1	91	12	103
4:00 PM - 5:00 PM	1	0	1	161	10	171	1	0	1	163	10	173
5:00 PM - 6:00 PM	2	0	2	177	4	181	0	0	0	179	4	183
6:00 PM - 7:00 PM	1	0	1	83	2	85	1	0	1	85	2	87
PASSENGER	22 91.7%			1498 96.3%			5 83.3%			1525 96.2%		
TRUCK	2 8.3%			57 3.7%			1 16.7%			60 3.8%		
BOTH	24 1.5%			1555 98.1%			6 0.4%			1585 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Fishersburg Ave (SR 32) & Durbin Rd (#118)  
12/19/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	4	2	14	20					9	7	26	42
SOUTHBOUND	2	14	4	20					0	6	5	11
EASTBOUND	3	142	5	150					2	402	12	416
WESTBOUND	20	418	1	439					13	225	2	240

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	1.00	0.93			0.81	0.93
SOUTHBOUND	0.83				0.69	
EASTBOUND	0.87				0.94	
WESTBOUND	0.89				0.90	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	11.5%	7.1%
SOUTHBOUND	0.0%	7.1%	25.0%	10.0%					0.0%	0.0%	20.0%	9.1%
EASTBOUND	33.3%	1.4%	20.0%	2.7%					0.0%	1.5%	0.0%	1.4%
WESTBOUND	15.0%	2.2%	0.0%	2.7%					0.0%	2.7%	50.0%	2.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	12	28	40	62	316	378	418
7:00 AM	TO	8:00 AM	20	20	40	150	439	589	629
8:00 AM	TO	9:00 AM	40	15	55	117	225	342	397
3:00 PM	TO	4:00 PM	25	6	31	171	111	282	313
4:00 PM	TO	5:00 PM	45	11	56	405	225	630	686
5:00 PM	TO	6:00 PM	47	11	58	412	199	611	669
6:00 PM	TO	7:00 PM	23	4	27	177	79	256	283
TOTAL VOLUME			212	95	307	1494	1594	3088	3395
PERCENTAGE			6.2%	2.8%	9.0%	44.0%	47.0%	91.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Fishersburg Ave (SR 32) & Durbin Rd (#118)  
12/19/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	1	3	1	0	1	6	2	8	9	3	12
7:00 AM - 8:00 AM	4	0	4	2	0	2	14	0	14	20	0	20
8:00 AM - 9:00 AM	15	1	16	11	3	14	8	2	10	34	6	40
PM TIME PERIOD												
3:00 PM - 4:00 PM	4	0	4	8	2	10	9	2	11	21	4	25
4:00 PM - 5:00 PM	8	1	9	10	1	11	21	4	25	39	6	45
5:00 PM - 6:00 PM	10	0	10	9	0	9	28	0	28	47	0	47
6:00 PM - 7:00 PM	4	0	4	8	0	8	11	0	11	23	0	23
PASSENGER	47 94.0%			49 89.1%			97 90.7%			193 91.0%		
TRUCK	3 6.0%			6 10.9%			10 9.3%			19 9.0%		
BOTH	50 23.6%			55 25.9%			107 50.5%			212 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	11	0	11	15	1	16	27	1	28
7:00 AM - 8:00 AM	2	0	2	13	1	14	3	1	4	18	2	20
8:00 AM - 9:00 AM	0	1	1	8	3	11	2	1	3	10	5	15
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	2	1	3	0	1	1	4	2	6
4:00 PM - 5:00 PM	0	0	0	6	1	7	3	1	4	9	2	11
5:00 PM - 6:00 PM	0	0	0	7	0	7	3	1	4	10	1	11
6:00 PM - 7:00 PM	0	0	0	2	0	2	2	0	2	4	0	4
PASSENGER	5 83.3%			49 89.1%			28 82.4%			82 86.3%		
TRUCK	1 16.7%			6 10.9%			6 17.6%			13 13.7%		
BOTH	6 6.3%			55 57.9%			34 35.8%			95 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	56	4	60	1	1	2	57	5	62
7:00 AM - 8:00 AM	2	1	3	140	2	142	4	1	5	146	4	150
8:00 AM - 9:00 AM	0	1	1	105	5	110	5	1	6	110	7	117
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	166	2	168	1	1	2	168	3	171
4:00 PM - 5:00 PM	1	0	1	388	7	395	9	0	9	398	7	405
5:00 PM - 6:00 PM	6	1	7	389	5	394	10	1	11	405	7	412
6:00 PM - 7:00 PM	4	0	4	170	2	172	1	0	1	175	2	177
PASSENGER	14 82.4%			1414 98.1%			31 86.1%			1459 97.7%		
TRUCK	3 17.6%			27 1.9%			5 13.9%			35 2.3%		
BOTH	17 1.1%			1441 96.5%			36 2.4%			1494 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	15	1	16	295	4	299	0	1	1	310	6	316
7:00 AM - 8:00 AM	17	3	20	409	9	418	1	0	1	427	12	439
8:00 AM - 9:00 AM	14	3	17	204	3	207	0	1	1	218	7	225
PM TIME PERIOD												
3:00 PM - 4:00 PM	7	1	8	100	1	101	1	1	2	108	3	111
4:00 PM - 5:00 PM	12	0	12	205	6	211	1	1	2	218	7	225
5:00 PM - 6:00 PM	22	1	23	167	8	175	1	0	1	190	9	199
6:00 PM - 7:00 PM	9	0	9	67	2	69	1	0	1	77	2	79
PASSENGER	96 91.4%			1447 97.8%			5 55.6%			1548 97.1%		
TRUCK	9 8.6%			33 2.2%			4 44.4%			46 2.9%		
BOTH	105 6.6%			1480 92.8%			9 0.6%			1594 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 32 (Fishersburg Rd) & Prairie Baptist Rd (#119)  
10/30/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	6	9	4	19					1	15	26	42
SOUTHBOUND	1	25	5	31					1	12	3	16
EASTBOUND	1	150	1	152					13	560	4	577
WESTBOUND	22	450	1	473					8	195	3	206

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.68	0.87			0.81	0.93
SOUTHBOUND	0.65				0.57	
EASTBOUND	0.72				0.85	
WESTBOUND	0.91				0.79	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	33.3%	0.0%	15.8%					0.0%	6.7%	7.7%	7.1%
SOUTHBOUND	0.0%	4.0%	0.0%	3.2%					100.0%	8.3%	0.0%	12.5%
EASTBOUND	100.0%	0.7%	0.0%	1.3%					0.0%	2.1%	0.0%	2.1%
WESTBOUND	9.1%	3.3%	0.0%	3.6%					0.0%	3.1%	0.0%	2.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	10	22	32	77	365	442	474
7:00 AM	TO	8:00 AM	14	32	46	162	462	624	670
8:00 AM	TO	9:00 AM	18	27	45	154	252	406	451
3:00 PM	TO	4:00 PM	20	14	34	191	83	274	308
4:00 PM	TO	5:00 PM	53	22	75	540	188	728	803
5:00 PM	TO	6:00 PM	41	16	57	506	199	705	762
6:00 PM	TO	7:00 PM	19	16	35	214	95	309	344
TOTAL VOLUME			175	149	324	1844	1644	3488	3812
PERCENTAGE			4.6%	3.9%	8.5%	48.4%	43.1%	91.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 32 (Fishersburg Rd) & Prairie Baptist Rd (#119)  
10/30/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	2	2	4	3	0	3	8	2	10
7:00 AM - 8:00 AM	4	0	4	4	1	5	5	0	5	13	1	14
8:00 AM - 9:00 AM	3	0	3	5	0	5	10	0	10	18	0	18
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	5	4	9	9	1	10	15	5	20
4:00 PM - 5:00 PM	2	0	2	12	7	19	31	1	32	45	8	53
5:00 PM - 6:00 PM	0	0	0	20	2	22	17	2	19	37	4	41
6:00 PM - 7:00 PM	1	0	1	10	1	11	6	1	7	17	2	19
PASSENGER	14 100.0%			58 77.3%			81 94.2%			153 87.4%		
TRUCK	0 0.0%			17 22.7%			5 5.8%			22 12.6%		
BOTH	14 8.0%			75 42.9%			86 49.1%			175 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	20	0	20	2	0	2	22	0	22
7:00 AM - 8:00 AM	1	0	1	25	1	26	5	0	5	31	1	32
8:00 AM - 9:00 AM	1	0	1	12	0	12	10	4	14	23	4	27
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	10	1	11	2	0	2	13	1	14
4:00 PM - 5:00 PM	1	1	2	8	7	15	5	0	5	14	8	22
5:00 PM - 6:00 PM	0	0	0	10	1	11	5	0	5	15	1	16
6:00 PM - 7:00 PM	1	0	1	9	2	11	2	2	4	12	4	16
PASSENGER	5 83.3%			94 88.7%			31 83.8%			130 87.2%		
TRUCK	1 16.7%			12 11.3%			6 16.2%			19 12.8%		
BOTH	6 4.0%			106 71.1%			37 24.8%			149 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	74	2	76	1	0	1	75	2	77
7:00 AM - 8:00 AM	0	1	1	157	3	160	1	0	1	158	4	162
8:00 AM - 9:00 AM	1	3	4	138	10	148	2	0	2	141	13	154
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	0	6	181	4	185	0	0	0	187	4	191
4:00 PM - 5:00 PM	7	0	7	519	10	529	4	0	4	530	10	540
5:00 PM - 6:00 PM	11	0	11	480	13	493	2	0	2	493	13	506
6:00 PM - 7:00 PM	3	0	3	203	8	211	0	0	0	206	8	214
PASSENGER	28 87.5%			1752 97.2%			10 100.0%			1790 97.1%		
TRUCK	4 12.5%			50 2.8%			0 0.0%			54 2.9%		
BOTH	32 1.7%			1802 97.7%			10 0.5%			1844 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	14	2	16	339	9	348	1	0	1	354	11	365
7:00 AM - 8:00 AM	18	1	19	426	16	442	1	0	1	445	17	462
8:00 AM - 9:00 AM	9	0	9	230	11	241	2	0	2	241	11	252
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	3	3	73	6	79	1	0	1	74	9	83
4:00 PM - 5:00 PM	7	1	8	166	10	176	4	0	4	177	11	188
5:00 PM - 6:00 PM	8	0	8	186	2	188	3	0	3	197	2	199
6:00 PM - 7:00 PM	5	0	5	86	3	89	1	0	1	92	3	95
PASSENGER	61 89.7%			1506 96.4%			13 100.0%			1580 96.1%		
TRUCK	7 10.3%			57 3.6%			0 0.0%			64 3.9%		
BOTH	68 4.1%			1563 95.1%			13 0.8%			1644 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cynthanna Rd. & Fishersburg Ave. (SR 32) (#120)  
7/17/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	16	6	10	32					8	10	18	36
SOUTHBOUND	2	9	6	17					1	14	1	16
EASTBOUND	4	100	3	107					10	387	22	419
WESTBOUND	20	384	1	405					11	177	0	188

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.80	0.84			0.75	0.94
SOUTHBOUND	0.61				0.57	
EASTBOUND	0.79				0.83	
WESTBOUND	0.84				0.85	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					12.5%	0.0%	0.0%	2.8%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	2.0%	0.0%	1.9%					0.0%	2.6%	4.5%	2.6%
WESTBOUND	0.0%	1.6%	0.0%	1.5%					0.0%	1.1%	0.0%	1.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	28	10	38	51	327	378	416
7:00 AM	TO	8:00 AM	27	19	46	125	388	513	559
8:00 AM	TO	9:00 AM	23	10	33	123	208	331	364
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	17	5	22	149	95	244	266
4:00 PM	TO	5:00 PM	36	4	40	414	167	581	621
5:00 PM	TO	6:00 PM	33	22	55	392	200	592	647
6:00 PM	TO	7:00 PM	15	2	17	168	73	241	258
TOTAL VOLUME			179	72	251	1422	1458	2880	3131
PERCENTAGE			5.7%	2.3%	8.0%	45.4%	46.6%	92.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanna Rd. & Fishersburg Ave. (SR 32) (#120)  
7/17/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	20	1	21	2	0	2	5	0	5	27	1	28
7:00 AM - 8:00 AM	11	0	11	8	0	8	8	0	8	27	0	27
8:00 AM - 9:00 AM	14	0	14	6	1	7	2	0	2	22	1	23
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	4	0	4	2	0	2	11	0	11	17	0	17
4:00 PM - 5:00 PM	14	1	15	9	0	9	12	0	12	35	1	36
5:00 PM - 6:00 PM	9	1	10	8	0	8	15	0	15	32	1	33
6:00 PM - 7:00 PM	7	0	7	4	0	4	4	0	4	15	0	15
PASSENGER	79 96.3%			39 97.5%			57 100.0%			175 97.8%		
TRUCK	3 3.7%			1 2.5%			0 0.0%			4 2.2%		
BOTH	82 45.8%			40 22.3%			57 31.8%			179 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	5	0	5	5	0	5	10	0	10
7:00 AM - 8:00 AM	2	0	2	6	0	6	9	2	11	17	2	19
8:00 AM - 9:00 AM	0	0	0	3	1	4	5	1	6	8	2	10
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	2	0	2	2	0	2	1	0	1	5	0	5
4:00 PM - 5:00 PM	0	0	0	3	0	3	1	0	1	4	0	4
5:00 PM - 6:00 PM	2	0	2	18	0	18	2	0	2	22	0	22
6:00 PM - 7:00 PM	0	0	0	1	0	1	1	0	1	2	0	2
PASSENGER	6 100.0%			38 97.4%			24 88.9%			68 94.4%		
TRUCK	0 0.0%			1 2.6%			3 11.1%			4 5.6%		
BOTH	6 8.3%			39 54.2%			27 37.5%			72 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	49	1	50	1	0	1	50	1	51
7:00 AM - 8:00 AM	5	0	5	111	4	115	5	0	5	121	4	125
8:00 AM - 9:00 AM	4	0	4	111	5	116	3	0	3	118	5	123
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	3	0	3	139	3	142	4	0	4	146	3	149
4:00 PM - 5:00 PM	7	0	7	381	7	388	19	0	19	407	7	414
5:00 PM - 6:00 PM	13	0	13	345	6	351	27	1	28	385	7	392
6:00 PM - 7:00 PM	4	0	4	154	0	154	10	0	10	168	0	168
PASSENGER	36 100.0%			1290 98.0%			69 98.6%			1395 98.1%		
TRUCK	0 0.0%			26 2.0%			1 1.4%			27 1.9%		
BOTH	36 2.5%			1316 92.5%			70 4.9%			1422 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	15	0	15	302	9	311	1	0	1	318	9	327
7:00 AM - 8:00 AM	17	0	17	364	6	370	1	0	1	382	6	388
8:00 AM - 9:00 AM	9	1	10	195	2	197	1	0	1	205	3	208
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	2	0	2	91	2	93	0	0	0	93	2	95
4:00 PM - 5:00 PM	10	0	10	152	2	154	3	0	3	165	2	167
5:00 PM - 6:00 PM	10	0	10	187	3	190	0	0	0	197	3	200
6:00 PM - 7:00 PM	5	0	5	65	3	68	0	0	0	70	3	73
PASSENGER	68 98.6%			1356 98.0%			6 100.0%			1430 98.1%		
TRUCK	1 1.4%			27 2.0%			0 0.0%			28 1.9%		
BOTH	69 4.7%			1383 94.9%			6 0.4%			1458 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 191st St & Fishersburg Ave (SR 32) (#121)  
 1/24/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0	147		147					2	410	
SOUTHBOUND		390	24	414						205	33	238
EASTBOUND	25		1	26					33		1	34

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.77				0.92
SOUTHBOUND	0.94	0.92			0.86	0.91
EASTBOUND	0.59				0.77	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%		0.0%					0.0%	0.7%	
SOUTHBOUND		2.6%	8.3%	2.9%						0.5%	0.0%	0.4%
EASTBOUND	4.0%		100.0%	7.7%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	59	300	359	16		16	375
7:00 AM	TO	8:00 AM	147	414	561	26		26	587
8:00 AM	TO	9:00 AM	148	212	360	22		22	382
3:00 PM	TO	4:00 PM	150	92	242	18		18	260
4:00 PM	TO	5:00 PM	354	222	576	26		26	602
5:00 PM	TO	6:00 PM	391	222	613	30		30	643
6:00 PM	TO	7:00 PM	140	78	218	5		5	223
TOTAL VOLUME			1389	1540	2929	143		143	3072
PERCENTAGE			45.2%	50.1%	95.3%	4.7%		4.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
191st St & Fishersburg Ave (SR 32) (#121)  
1/24/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	58	1	59				58	1	59
7:00 AM - 8:00 AM	0	0	0	147	0	147				147	0	147
8:00 AM - 9:00 AM	0	0	0	143	5	148				143	5	148
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	149	1	150				149	1	150
4:00 PM - 5:00 PM	2	0	2	346	6	352				348	6	354
5:00 PM - 6:00 PM	2	0	2	388	1	389				390	1	391
6:00 PM - 7:00 PM	1	0	1	138	1	139				139	1	140
PASSENGER	5 100.0%			1369 98.9%						1374 98.9%		
TRUCK	0 0.0%			15 1.1%						15 1.1%		
BOTH	5 0.4%			1384 99.6%						1389 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				282	7	289	11	0	11	293	7	300
7:00 AM - 8:00 AM				380	10	390	22	2	24	402	12	414
8:00 AM - 9:00 AM				184	15	199	12	1	13	196	16	212
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				76	9	85	5	2	7	81	11	92
4:00 PM - 5:00 PM				194	2	196	26	0	26	220	2	222
5:00 PM - 6:00 PM				187	1	188	34	0	34	221	1	222
6:00 PM - 7:00 PM				65	3	68	10	0	10	75	3	78
PASSENGER				1368 96.7%			120 96.0%			1488 96.6%		
TRUCK				47 3.3%			5 4.0%			52 3.4%		
BOTH				1415 91.9%			125 8.1%			1540 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	14	0	14				1	1	2	15	1	16
7:00 AM - 8:00 AM	24	1	25				0	1	1	24	2	26
8:00 AM - 9:00 AM	19	1	20				2	0	2	21	1	22
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	16	1	17				1	0	1	17	1	18
4:00 PM - 5:00 PM	24	1	25				1	0	1	25	1	26
5:00 PM - 6:00 PM	28	0	28				2	0	2	30	0	30
6:00 PM - 7:00 PM	4	0	4				1	0	1	5	0	5
PASSENGER	129 97.0%						8 80.0%			137 95.8%		
TRUCK	4 3.0%						2 20.0%			6 4.2%		
BOTH	133 93.0%						10 7.0%			143 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 SR 32 & Atlantic Ave. (#122)  
 10/6/2004

<b>TOTAL VEHICLES (PASSENGER CARS + TRUCKS)</b>												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	6	1	7					2	9	5	16
SOUTHBOUND	1	13	29	43					4	10	20	34
EASTBOUND	15	145	2	162					24	414	1	439
WESTBOUND	3	376	1	380					1	210	2	213

<b>PEAK HOUR FACTOR</b>						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.58	0.88			0.80	0.89
SOUTHBOUND	0.63				0.50	
EASTBOUND	0.75				0.90	
WESTBOUND	0.87				0.89	

<b>TRUCK PERCENTAGE</b>												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	20.0%	6.3%
SOUTHBOUND	0.0%	0.0%	3.4%	2.3%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	3.4%	0.0%	3.1%					0.0%	1.2%	0.0%	1.1%
WESTBOUND	0.0%	1.9%	0.0%	1.8%					0.0%	2.4%	0.0%	2.3%

<b>HOURLY SUMMARY</b>									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	4	33	37	77	343	420	457
7:00 AM	TO	8:00 AM	7	47	54	177	357	534	588
8:00 AM	TO	9:00 AM	6	27	33	157	186	343	376
3:00 PM	TO	4:00 PM	8	13	21	157	82	239	260
4:00 PM	TO	5:00 PM	18	18	36	423	181	604	640
5:00 PM	TO	6:00 PM	17	39	56	408	215	623	679
6:00 PM	TO	7:00 PM	8	14	22	149	73	222	244
TOTAL VOLUME			68	191	259	1548	1437	2985	3244
PERCENTAGE			2.1%	5.9%	8.0%	47.7%	44.3%	92.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 32 & Atlantic Ave. (#122)  
10/6/2004

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	3	1	4	0	0	0	3	1	4
7:00 AM - 8:00 AM	0	0	0	6	0	6	1	0	1	7	0	7
8:00 AM - 9:00 AM	0	0	0	5	0	5	1	0	1	6	0	6
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	4	0	4	3	0	3	8	0	8
4:00 PM - 5:00 PM	3	0	3	13	0	13	2	0	2	18	0	18
5:00 PM - 6:00 PM	2	0	2	10	0	10	4	1	5	16	1	17
6:00 PM - 7:00 PM	0	0	0	8	0	8	0	0	0	8	0	8
PASSENGER	6 100.0%			49 98.0%			11 91.7%			66 97.1%		
TRUCK	0 0.0%			1 2.0%			4 8.3%			5 2.9%		
BOTH	6 8.8%			50 73.5%			12 17.6%			68 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	11	0	11	22	0	22	33	0	33
7:00 AM - 8:00 AM	2	0	2	18	0	18	26	1	27	46	1	47
8:00 AM - 9:00 AM	0	0	0	8	1	9	16	2	18	24	3	27
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	5	0	5	5	1	6	12	1	13
4:00 PM - 5:00 PM	2	0	2	8	0	8	8	0	8	18	0	18
5:00 PM - 6:00 PM	3	0	3	11	0	11	25	0	25	39	0	39
6:00 PM - 7:00 PM	0	0	0	4	0	4	10	0	10	14	0	14
PASSENGER	9 100.0%			65 98.5%			112 96.6%			186 97.4%		
TRUCK	0 0.0%			1 1.5%			4 3.4%			5 2.6%		
BOTH	9 4.7%			66 34.6%			116 60.7%			191 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	70	0	70	1	0	1	77	0	77
7:00 AM - 8:00 AM	19	2	21	150	5	155	1	0	1	170	7	177
8:00 AM - 9:00 AM	4	1	5	148	3	151	1	0	1	153	4	157
PM TIME PERIOD												
3:00 PM - 4:00 PM	11	0	11	145	0	145	1	0	1	157	0	157
4:00 PM - 5:00 PM	31	1	32	383	7	390	1	0	1	415	8	423
5:00 PM - 6:00 PM	18	0	18	387	2	389	1	0	1	406	2	408
6:00 PM - 7:00 PM	10	0	10	137	1	138	1	0	1	148	1	149
PASSENGER	99 96.1%			1420 98.7%			7 100.0%			1526 98.6%		
TRUCK	4 3.9%			18 1.3%			0 0.0%			22 1.4%		
BOTH	103 6.7%			1438 92.9%			7 0.5%			1548 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	336	6	342	0	1	1	336	7	343
7:00 AM - 8:00 AM	3	0	3	349	4	353	1	0	1	353	4	357
8:00 AM - 9:00 AM	1	0	1	178	7	185	0	0	0	179	7	186
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	78	2	80	1	0	1	80	2	82
4:00 PM - 5:00 PM	6	0	6	166	7	173	2	0	2	174	7	181
5:00 PM - 6:00 PM	1	0	1	209	4	213	1	0	1	211	4	215
6:00 PM - 7:00 PM	2	0	2	70	1	71	0	0	0	72	1	73
PASSENGER	14 100.0%			1386 97.8%			5 83.3%			1405 97.8%		
TRUCK	0 0.0%			31 2.2%			6 16.7%			32 2.2%		
BOTH	14 1.0%			1417 98.6%			6 0.4%			1437 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Monument Rd & 10th St (#123)  
3/19/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	1	54	148	<b>203</b>					1	295	67	<b>363</b>
SOUTHBOUND	31	178	16	<b>225</b>					14	146	4	<b>164</b>
EASTBOUND	3	13	0	<b>16</b>					2	11	1	<b>14</b>
WESTBOUND	38	25	9	<b>72</b>					40	20	25	<b>85</b>

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.54	<b>0.67</b>			0.90	<b>0.97</b>
SOUTHBOUND	0.84				0.93	
EASTBOUND	0.57				0.70	
WESTBOUND	0.75				0.73	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	7.4%	1.4%	3.0%					0.0%	0.3%	0.0%	0.3%
SOUTHBOUND	6.5%	3.9%	6.3%	4.4%					0.0%	3.4%	0.0%	3.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	5.3%	0.0%	0.0%	2.8%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	26	53	79	2	13	15	94
7:00 AM	TO	8:00 AM	203	225	428	16	72	88	516
8:00 AM	TO	9:00 AM	70	94	164	5	18	23	187
2:00 PM	TO	3:00 PM	162	102	264	3	136	139	403
3:00 PM	TO	4:00 PM	247	139	386	11	64	75	461
4:00 PM	TO	5:00 PM	302	170	472	14	86	100	572
5:00 PM	TO	6:00 PM	343	148	491	15	72	87	578
TOTAL VOLUME			1353	931	2284	66	461	527	2811
PERCENTAGE			48.1%	33.1%	81.3%	2.3%	16.4%	18.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Monument Rd & 10th St (#123)  
3/19/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	15	0	15	11	0	11	26	0	26
7:00 AM - 8:00 AM	1	0	1	50	4	54	146	2	148	197	6	203
8:00 AM - 9:00 AM	6	0	6	34	2	36	24	4	28	64	6	70
PM TIME PERIOD												
2:00 PM - 3:00 PM	5	0	5	126	6	132	25	0	25	156	6	162
3:00 PM - 4:00 PM	5	0	5	178	5	183	54	5	59	237	10	247
4:00 PM - 5:00 PM	3	0	3	230	4	234	64	1	65	297	5	302
5:00 PM - 6:00 PM	0	0	0	277	4	281	61	1	62	338	5	343
PASSENGER	20 100.0%			910 97.3%			385 96.7%			1315 97.2%		
TRUCK	0 0.0%			25 2.7%			13 3.3%			38 2.8%		
BOTH	20 1.5%			935 69.1%			398 29.4%			1353 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	38	8	46	3	1	4	44	9	53
7:00 AM - 8:00 AM	29	2	31	171	7	178	15	1	16	215	10	225
8:00 AM - 9:00 AM	18	3	21	63	6	69	4	0	4	85	9	94
PM TIME PERIOD												
2:00 PM - 3:00 PM	7	0	7	79	13	92	3	0	3	89	13	102
3:00 PM - 4:00 PM	16	6	22	109	4	113	4	0	4	129	10	139
4:00 PM - 5:00 PM	25	0	25	138	2	140	5	0	5	168	2	170
5:00 PM - 6:00 PM	14	0	14	126	3	129	5	0	5	145	3	148
PASSENGER	112 91.1%			724 94.4%			39 95.1%			875 94.0%		
TRUCK	11 8.9%			43 5.6%			2 4.9%			56 6.0%		
BOTH	123 13.2%			767 82.4%			41 4.4%			931 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	2	0	2	0	0	0	2	0	2
7:00 AM - 8:00 AM	3	0	3	13	0	13	0	0	0	16	0	16
8:00 AM - 9:00 AM	1	0	1	2	1	3	1	0	1	4	1	5
PM TIME PERIOD												
2:00 PM - 3:00 PM	2	0	2	1	0	1	0	0	0	3	0	3
3:00 PM - 4:00 PM	2	1	3	4	1	5	3	0	3	9	2	11
4:00 PM - 5:00 PM	4	0	4	10	0	10	0	0	0	14	0	14
5:00 PM - 6:00 PM	1	0	1	12	0	12	2	0	2	15	0	15
PASSENGER	13 92.9%			44 95.7%			6 100.0%			63 95.5%		
TRUCK	1 7.1%			2 4.3%			0 0.0%			3 4.5%		
BOTH	14 21.2%			46 69.7%			6 9.1%			66 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	1	6	5	1	6	1	0	1	11	2	13
7:00 AM - 8:00 AM	36	2	38	25	0	25	9	0	9	70	2	72
8:00 AM - 9:00 AM	13	0	13	3	0	3	2	0	2	18	0	18
PM TIME PERIOD												
2:00 PM - 3:00 PM	43	1	44	79	0	79	13	0	13	135	1	136
3:00 PM - 4:00 PM	27	1	28	23	1	24	9	3	12	59	5	64
4:00 PM - 5:00 PM	35	0	35	30	0	30	21	0	21	86	0	86
5:00 PM - 6:00 PM	34	1	35	17	0	17	20	0	20	71	1	72
PASSENGER	193 97.0%			182 98.9%			75 96.2%			450 97.6%		
TRUCK	6 3.0%			2 1.1%			3 3.8%			11 2.4%		
BOTH	199 43.2%			184 39.9%			78 16.9%			461 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
16th St & Monument St (#124)  
2/14/2013  
ME

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	6	51	31	<b>88</b>					19	98	28	<b>145</b>
SOUTHBOUND	38	63	5	<b>106</b>					19	53	6	<b>78</b>
EASTBOUND	5	165	11	<b>181</b>					2	64	8	<b>74</b>
WESTBOUND	32	70	31	<b>133</b>					21	63	34	<b>118</b>

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.54	<b>0.52</b>			0.70	<b>0.77</b>
SOUTHBOUND	0.66				0.78	
EASTBOUND	0.46				0.80	
WESTBOUND	0.50				0.72	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	17.6%	6.5%	12.5%					0.0%	1.0%	3.6%	1.4%
SOUTHBOUND	2.6%	14.3%	40.0%	11.3%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	2.4%	0.0%	2.2%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	23	29	52	18	13	31	83
7:00 AM	TO	8:00 AM	85	107	192	174	135	309	501
8:00 AM	TO	9:00 AM	10	35	45	18	28	46	91
2:00 PM	TO	3:00 PM	85	69	154	51	159	210	364
3:00 PM	TO	4:00 PM	95	68	163	47	104	151	314
4:00 PM	TO	5:00 PM	119	72	191	71	105	176	367
5:00 PM	TO	6:00 PM	124	71	195	36	127	163	358
TOTAL VOLUME			541	451	992	415	671	1086	2078
PERCENTAGE			26.0%	21.7%	47.7%	20.0%	32.3%	52.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
16th St & Monument St (#124)  
2/14/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	11	2	13	9	0	9	21	2	23
7:00 AM - 8:00 AM	9	1	10	38	9	47	26	2	28	73	12	85
8:00 AM - 9:00 AM	0	0	0	5	1	6	4	0	4	9	1	10
PM TIME PERIOD												
2:00 PM - 3:00 PM	11	0	11	56	4	60	11	3	14	78	7	85
3:00 PM - 4:00 PM	11	0	11	57	3	60	21	3	24	89	6	95
4:00 PM - 5:00 PM	18	0	18	77	5	82	18	1	19	113	6	119
5:00 PM - 6:00 PM	9	0	9	90	0	90	25	0	25	124	0	124
PASSENGER	59 98.3%			334 93.3%			114 92.7%			507 93.7%		
TRUCK	1 1.7%			24 6.7%			9 7.3%			34 6.3%		
BOTH	60 11.1%			358 66.2%			123 22.7%			541 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	12	0	12	16	0	16	0	1	1	28	1	29
7:00 AM - 8:00 AM	42	1	43	50	10	60	3	1	4	95	12	107
8:00 AM - 9:00 AM	11	1	12	20	1	21	2	0	2	33	2	35
PM TIME PERIOD												
2:00 PM - 3:00 PM	21	0	21	46	2	48	0	0	0	67	2	69
3:00 PM - 4:00 PM	17	2	19	48	0	48	1	0	1	66	2	68
4:00 PM - 5:00 PM	20	0	20	43	1	44	8	0	8	71	1	72
5:00 PM - 6:00 PM	10	0	10	57	0	57	4	0	4	71	0	71
PASSENGER	133 97.1%			280 95.2%			18 90.0%			431 95.6%		
TRUCK	4 2.9%			14 4.8%			2 10.0%			20 4.4%		
BOTH	137 30.4%			294 65.2%			20 4.4%			451 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	16	0	16	1	0	1	18	0	18
7:00 AM - 8:00 AM	5	0	5	154	4	158	11	0	11	170	4	174
8:00 AM - 9:00 AM	3	0	3	9	3	12	3	0	3	15	3	18
PM TIME PERIOD												
2:00 PM - 3:00 PM	3	0	3	36	1	37	11	0	11	50	1	51
3:00 PM - 4:00 PM	3	0	3	26	5	31	10	3	13	39	8	47
4:00 PM - 5:00 PM	3	0	3	59	2	61	7	0	7	69	2	71
5:00 PM - 6:00 PM	0	0	0	27	0	27	9	0	9	36	0	36
PASSENGER	18 100.0%			327 95.6%			52 94.5%			397 95.7%		
TRUCK	0 0.0%			15 4.4%			3 5.5%			18 4.3%		
BOTH	18 4.3%			342 82.4%			55 13.3%			415 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	8	0	8	1	0	1	13	0	13
7:00 AM - 8:00 AM	30	0	30	72	0	72	33	0	33	135	0	135
8:00 AM - 9:00 AM	1	0	1	14	0	14	13	0	13	28	0	28
PM TIME PERIOD												
2:00 PM - 3:00 PM	45	0	45	90	0	90	24	0	24	159	0	159
3:00 PM - 4:00 PM	27	0	27	48	0	48	29	0	29	104	0	104
4:00 PM - 5:00 PM	22	0	22	50	0	50	33	0	33	105	0	105
5:00 PM - 6:00 PM	21	0	21	79	0	79	27	0	27	127	0	127
PASSENGER	150 100.0%			361 100.0%			160 100.0%			671 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	150 22.4%			361 53.8%			160 23.8%			671 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
Cumberland Rd & Monument St (#125)  
3/19/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	144	261		405					144	346	
SOUTHBOUND		258	56	314						270	67	337
EASTBOUND	31		121	152					58		162	220

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.50					0.90
SOUTHBOUND	0.83	0.61				0.92	0.90
EASTBOUND	0.62					0.65	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1.4%	4.2%		3.2%					1.4%	1.2%	
SOUTHBOUND		4.3%	7.1%	5.4%						1.1%	1.5%	1.2%
EASTBOUND	3.2%		4.1%	8.6%					3.4%		1.2%	1.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	44	95	139	38		38	177
7:00 AM	TO	8:00 AM	405	314	719	152		152	871
8:00 AM	TO	9:00 AM	76	98	174	37		37	211
2:00 PM	TO	3:00 PM	280	343	623	172		172	795
3:00 PM	TO	4:00 PM	301	322	623	118		118	741
4:00 PM	TO	5:00 PM	394	320	714	214		214	928
5:00 PM	TO	6:00 PM	523	312	835	169		169	1004
TOTAL VOLUME			2023	1804	3827	900		900	4727
PERCENTAGE			42.8%	38.2%	81.0%	19.0%		19.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Cumberland Rd & Monument St (#125)  
3/19/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	20	0	20	24	0	24				44	0	44
7:00 AM - 8:00 AM	142	2	144	250	11	261				392	13	405
8:00 AM - 9:00 AM	25	2	27	47	2	49				72	4	76
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	77	0	77	200	3	203				277	3	280
3:00 PM - 4:00 PM	75	6	81	215	5	220				290	11	301
4:00 PM - 5:00 PM	111	9	120	273	1	274				384	10	394
5:00 PM - 6:00 PM	143	2	145	374	4	378				517	6	523
PASSENGER	593 96.6%			1383 98.2%						1976 97.7%		
TRUCK	21 3.4%			26 1.8%						47 2.3%		
BOTH	614 30.4%			1409 69.6%						2023 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				85	2	87	8	0	8	93	2	95
7:00 AM - 8:00 AM				247	11	258	52	4	56	299	15	314
8:00 AM - 9:00 AM				84	2	86	11	1	12	95	3	98
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				281	8	289	47	6	53	328	15	343
3:00 PM - 4:00 PM				277	9	286	34	2	36	311	11	322
4:00 PM - 5:00 PM				254	4	258	62	0	62	316	4	320
5:00 PM - 6:00 PM				253	2	255	56	1	57	309	3	312
PASSENGER				1481 97.5%			270 95.1%			1751 97.1%		
TRUCK				38 2.5%			14 4.9%			53 2.9%		
BOTH				1519 84.2%			284 15.7%			1804 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	0	2				27	9	36	29	9	38
7:00 AM - 8:00 AM	30	1	31				116	5	121	146	6	152
8:00 AM - 9:00 AM	6	2	8				29	0	29	35	2	37
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	27	1	28				139	5	144	166	6	172
3:00 PM - 4:00 PM	25	2	27				88	3	91	113	5	118
4:00 PM - 5:00 PM	55	0	55				159	0	159	214	0	214
5:00 PM - 6:00 PM	43	2	45				122	2	124	165	4	169
PASSENGER	188 95.9%						680 96.6%			868 96.4%		
TRUCK	8 4.1%						24 3.4%			32 3.6%		
BOTH	196 21.8%						704 78.2%			900 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Promise Rd & 181st Street #126  
 4/23/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND		93	2	95					4	215	11
SOUTHBOUND	2	194		196					8	128		132
WESTBOUND	11		1	12							0	8

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.88					0.91
SOUTHBOUND	0.91	0.89				0.92	0.92
WESTBOUND	0.75					0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND		4.3%	50.0%	5.3%						1.9%	0.0%
SOUTHBOUND	50.0%	2.1%		2.6%					25.0%	0.8%		1.5%
WESTBOUND	9.1%		0.0%	8.3%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	31	149	180		4	4	184
7:00 AM	TO	8:00 AM	95	196	291		12	12	303
8:00 AM	TO	9:00 AM	66	141	207		7	7	214
3:00 PM	TO	4:00 PM	81	36	117		4	4	121
4:00 PM	TO	5:00 PM	175	124	299		6	6	305
5:00 PM	TO	6:00 PM	216	134	350		9	9	359
6:00 PM	TO	7:00 PM	96	63	159		4	4	163
TOTAL VOLUME			760	843	1603			46	1649
PERCENTAGE			46.1%	51.1%	97.2%			2.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Promise Rd & 181st Street #126  
4/23/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				31	0	31	0	0	0	31	0	31
7:00 AM - 8:00 AM				89	4	93	1	1	2	90	5	95
8:00 AM - 9:00 AM				59	4	63	3	0	3	62	4	66
PM TIME PERIOD												
3:00 PM - 4:00 PM				73	3	76	4	1	5	77	4	81
4:00 PM - 5:00 PM				170	3	173	2	0	2	172	3	175
5:00 PM - 6:00 PM				202	4	206	10	0	10	212	4	216
6:00 PM - 7:00 PM				92	0	92	3	1	4	95	1	96
PASSENGER				716 97.5%			23 88.5%			739 97.2%		
TRUCK				18 2.5%			3 11.5%			21 2.8%		
BOTH				734 96.6%			26 3.4%			760 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	148	0	148				149	0	149
7:00 AM - 8:00 AM	1	1	2	190	4	194				191	5	196
8:00 AM - 9:00 AM	3	0	3	132	6	138				135	6	141
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	32	3	35				33	3	36
4:00 PM - 5:00 PM	1	1	2	120	2	122				121	3	124
5:00 PM - 6:00 PM	2	0	2	131	1	132				133	1	134
6:00 PM - 7:00 PM	0	0	0	63	0	63				63	0	63
PASSENGER	9 81.8%			816 98.1%						825 97.9%		
TRUCK	2 18.2%			16 1.9%						18 2.1%		
BOTH	11 1.3%			832 98.7%						843 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	2	3				0	1	1	1	3	4
7:00 AM - 8:00 AM	10	1	11				1	0	1	11	1	12
8:00 AM - 9:00 AM	6	0	6				1	0	1	7	0	7
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2				2	0	2	4	0	4
4:00 PM - 5:00 PM	4	0	4				2	0	2	6	0	6
5:00 PM - 6:00 PM	9	0	9				0	0	0	9	0	9
6:00 PM - 7:00 PM	4	0	4				0	0	0	4	0	4
PASSENGER	36 92.3%						6 85.7%			42 91.3%		
TRUCK	3 7.7%						1 14.3%			4 8.7%		
BOTH	39 84.8%						7 15.2%			46 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Mallery Road & 181st Street (#127)  
 6/19/2013  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	0		5	5					1		2
EASTBOUND	0	2		2					2	8		10
WESTBOUND		6	0	6						9	2	11

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	SOUTHBOUND	0.63				0.75
EASTBOUND	0.25	0.81			0.63	0.67
WESTBOUND	0.50				0.55	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	0.0%		0.0%	0.0%					0.0%		0.0%
EASTBOUND	0.0%	0.0%		0.0%					0.0%	0.0%		0.0%
WESTBOUND		0.0%	0.0%	0.0%						0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		2	2	2	3	5	7
7:00 AM	TO	8:00 AM		5	5	2	6	8	13
8:00 AM	TO	9:00 AM		2	2	1	4	5	7
3:00 PM	TO	4:00 PM		1	1	2	2	4	5
4:00 PM	TO	5:00 PM		5	5	9	3	12	17
5:00 PM	TO	6:00 PM		2	2	10	6	16	18
6:00 PM	TO	7:00 PM		2	2	7	5	12	14
TOTAL VOLUME				19	19	33		62	81
PERCENTAGE				23.5%	23.5%	40.7%		76.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Mallery Road & 181st Street (#127)  
6/19/2013

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0				2	0	2	2	0	2
7:00 AM - 8:00 AM	0	0	0				5	0	5	5	0	5
8:00 AM - 9:00 AM	0	0	0				2	0	2	2	0	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0				1	0	1	1	0	1
4:00 PM - 5:00 PM	1	0	1				4	0	4	5	0	5
5:00 PM - 6:00 PM	1	0	1				1	0	1	2	0	2
6:00 PM - 7:00 PM	1	0	1				1	0	1	2	0	2
PASSENGER	3 100.0%						16 100.0%			19 100.0%		
TRUCK	0 0.0%						0 0.0%			0 0.0%		
BOTH	3 15.8%						16 84.2%			19 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	1	1	2				1	1	2
7:00 AM - 8:00 AM	0	0	0	2	0	2				2	0	2
8:00 AM - 9:00 AM	0	0	0	1	0	1				1	0	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	0	0	0				2	0	2
4:00 PM - 5:00 PM	3	0	3	6	0	6				9	0	9
5:00 PM - 6:00 PM	3	0	3	7	0	7				10	0	10
6:00 PM - 7:00 PM	2	0	2	4	1	5				6	1	7
PASSENGER	10 100.0%			21 91.3%						31 93.9%		
TRUCK	0 0.0%			2 8.7%						2 6.1%		
BOTH	10 30.3%			23 69.7%						33 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				3	0	3	0	0	0	3	0	3
7:00 AM - 8:00 AM				6	0	6	0	0	0	6	0	6
8:00 AM - 9:00 AM				3	0	3	1	0	1	4	0	4
PM TIME PERIOD												
3:00 PM - 4:00 PM				2	0	2	0	0	0	2	0	2
4:00 PM - 5:00 PM				2	0	2	1	0	1	3	0	3
5:00 PM - 6:00 PM				4	0	4	2	0	2	6	0	6
6:00 PM - 7:00 PM				5	0	5	0	0	0	5	0	5
PASSENGER				25 100.0%			4 100.0%			29 100.0%		
TRUCK				0 0.0%			0 0.0%			0 0.0%		
BOTH				25 86.2%			4 13.8%			29 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 181st St & Deshane Ave (#128)  
 11/20/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 8:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 3:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1		6	7					5		4
EASTBOUND		1	3	4						3	4	7
WESTBOUND	3	1		4					7	6		13

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.58				0.56
EASTBOUND	1.00	0.54			0.44	0.81
WESTBOUND	0.33				0.81	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	100.0%		66.7%	71.4%					20.0%		25.0%
EASTBOUND		0.0%	33.3%	25.0%						33.3%	25.0%	28.6%
WESTBOUND	66.7%	0.0%		50.0%					28.6%	0.0%		15.4%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	1		1	2	7	9	10
7:00 AM	TO	8:00 AM	1		1	1	4	5	6
8:00 AM	TO	9:00 AM	7		7	4	4	8	15
3:00 PM	TO	4:00 PM	4		4	5	6	11	15
4:00 PM	TO	5:00 PM	10		10	4	9	13	23
5:00 PM	TO	6:00 PM	7		7	5	11	16	23
6:00 PM	TO	7:00 PM	6		6	2	2	4	10
TOTAL VOLUME			36		36	23	43	66	102
PERCENTAGE			35.3%		35.3%	22.5%	42.2%	64.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
181st St & Deshane Ave (#128)  
11/20/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0				1	0	1	1	0	1
7:00 AM - 8:00 AM	1	0	1				0	0	0	1	0	1
8:00 AM - 9:00 AM	0	1	1				2	4	6	2	5	7
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	1	3				1	0	1	3	1	4
4:00 PM - 5:00 PM	3	0	3				6	1	7	9	1	10
5:00 PM - 6:00 PM	2	0	2				5	0	5	7	0	7
6:00 PM - 7:00 PM	1	0	1				5	0	5	6	0	6
PASSENGER	9 81.8%						20 80.0%			29 80.6%		
TRUCK	2 18.2%						5 20.0%			7 19.4%		
BOTH	11 30.6%						25 69.4%			36 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				0	0	0	1	1	2	1	1	2
7:00 AM - 8:00 AM				0	0	0	1	0	1	1	0	1
8:00 AM - 9:00 AM				1	0	1	2	1	3	3	1	4
PM TIME PERIOD												
3:00 PM - 4:00 PM				1	1	2	2	1	3	3	2	5
4:00 PM - 5:00 PM				3	0	3	1	0	1	4	0	4
5:00 PM - 6:00 PM				4	0	4	1	0	1	5	0	5
6:00 PM - 7:00 PM				1	0	1	1	0	1	2	0	2
PASSENGER				10 90.9%			9 75.0%			19 82.6%		
TRUCK				1 9.1%			3 25.0%			4 17.4%		
BOTH				11 47.8%			12 52.2%			23 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	0	1	1				6	1	7
7:00 AM - 8:00 AM	3	0	3	1	0	1				4	0	4
8:00 AM - 9:00 AM	1	2	3	1	0	1				2	2	4
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	1	3	3	0	3				5	1	6
4:00 PM - 5:00 PM	3	2	5	4	0	4				7	2	9
5:00 PM - 6:00 PM	6	0	6	5	0	5				11	0	11
6:00 PM - 7:00 PM	1	0	1	1	0	1				2	0	2
PASSENGER	22 81.5%			15 93.8%						37 86.0%		
TRUCK	5 18.5%			1 6.3%						6 14.0%		
BOTH	27 62.8%			16 37.2%						43 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
Lakeview Dr & Hague Rd (#129)  
11/8/2012  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	5	173	8	186					21	407	45	473
SOUTHBOUND	24	472	0	496					32	303	1	336
EASTBOUND	1	2	18	21					0	4	8	12
WESTBOUND	58	1	16	75					28	1	40	69

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.65	0.69			0.86	0.95
SOUTHBOUND	0.68				0.88	
EASTBOUND	0.66				0.75	
WESTBOUND	0.75				0.86	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	7.5%	0.0%	7.0%					0.0%	1.2%	0.0%	1.1%
SOUTHBOUND	0.0%	4.2%	0.0%	4.0%					0.0%	1.3%	0.0%	1.2%
EASTBOUND	0.0%	0.0%	5.6%	4.8%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	6.3%	1.3%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	16	53	69	2	10	12	81
7:00 AM	TO	8:00 AM	77	293	370	11	48	59	429
8:00 AM	TO	9:00 AM	139	299	438	14	45	59	497
2:00 PM	TO	3:00 PM	196	234	430	13	87	100	530
3:00 PM	TO	4:00 PM	284	254	538	9	59	68	606
4:00 PM	TO	5:00 PM	419	302	721	12	76	88	809
5:00 PM	TO	6:00 PM	473	336	809	12	69	81	890
TOTAL VOLUME			1604	1771	3375	73	394	467	3842
PERCENTAGE			41.7%	46.1%	87.8%	1.9%	10.3%	12.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Lakeview Dr & Hague Rd (#129)  
11/8/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	16	0	16	0	0	0	16	0	16
7:00 AM - 8:00 AM	3	0	3	69	1	70	4	0	4	76	1	77
8:00 AM - 9:00 AM	2	0	2	117	13	130	7	0	7	126	13	139
PM TIME PERIOD												
2:00 PM - 3:00 PM	14	1	15	158	6	164	16	1	17	188	8	196
3:00 PM - 4:00 PM	11	2	13	249	3	252	19	0	19	279	5	284
4:00 PM - 5:00 PM	15	1	16	342	9	351	48	4	52	405	14	419
5:00 PM - 6:00 PM	21	0	21	402	5	407	45	0	45	468	5	473
PASSENGER	66 94.3%			1353 97.3%			139 96.5%			1558 97.1%		
TRUCK	4 5.7%			37 2.7%			5 3.5%			46 2.9%		
BOTH	70 4.4%			1390 86.7%			144 9.0%			1604 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	51	0	51	0	0	0	53	0	53
7:00 AM - 8:00 AM	6	0	6	285	2	287	0	0	0	291	2	293
8:00 AM - 9:00 AM	22	0	22	259	18	277	0	0	0	281	18	299
PM TIME PERIOD												
2:00 PM - 3:00 PM	32	0	32	191	11	202	0	0	0	223	11	234
3:00 PM - 4:00 PM	25	3	28	207	19	226	0	0	0	232	22	254
4:00 PM - 5:00 PM	35	1	36	251	12	263	3	0	3	289	13	302
5:00 PM - 6:00 PM	32	0	32	299	4	303	1	0	1	332	4	336
PASSENGER	154 97.5%			1543 95.9%			4 100.0%			1701 96.0%		
TRUCK	4 2.5%			66 4.1%			0 0.0%			70 4.0%		
BOTH	158 8.9%			1609 90.9%			4 0.2%			1771 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	2	0	2	2	0	2
7:00 AM - 8:00 AM	0	0	0	0	0	0	11	0	11	11	0	11
8:00 AM - 9:00 AM	1	0	1	2	0	2	10	1	11	13	1	14
PM TIME PERIOD												
2:00 PM - 3:00 PM	0	0	0	3	1	4	9	0	9	12	1	13
3:00 PM - 4:00 PM	1	0	1	1	0	1	7	0	7	9	0	9
4:00 PM - 5:00 PM	0	0	0	1	0	1	8	3	11	9	3	12
5:00 PM - 6:00 PM	0	0	0	4	0	4	8	0	8	12	0	12
PASSENGER	2 100.0%			11 91.7%			55 93.2%			68 93.2%		
TRUCK	0 0.0%			1 8.3%			4 6.8%			5 6.8%		
BOTH	2 2.7%			12 16.4%			59 80.8%			73 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	9	0	9	0	0	0	1	0	1	10	0	10
7:00 AM - 8:00 AM	39	0	39	1	0	1	8	0	8	48	0	48
8:00 AM - 9:00 AM	34	0	34	0	0	0	10	1	11	44	1	45
PM TIME PERIOD												
2:00 PM - 3:00 PM	18	0	18	3	0	3	65	1	66	86	1	87
3:00 PM - 4:00 PM	26	0	26	2	0	2	31	0	31	59	0	59
4:00 PM - 5:00 PM	19	0	19	1	0	1	53	3	56	73	3	76
5:00 PM - 6:00 PM	28	0	28	1	0	1	40	0	40	69	0	69
PASSENGER	173 100.0%			8 100.0%			208 97.7%			389 98.7%		
TRUCK	0 0.0%			0 0.0%			5 2.3%			5 1.3%		
BOTH	173 43.9%			8 2.0%			213 54.1%			394 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 19 & Field Drive/Park Entrance (#130)  
9/11/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1	103	243	347					12	391	304
SOUTHBOUND	236	434	5	675					155	218	10	383
EASTBOUND	3	2	0	5					7	12	3	22
WESTBOUND	314	1	91	406					206	21	264	491

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.68					0.98
SOUTHBOUND	0.95	0.96				0.90	0.96
EASTBOUND	0.42					0.46	
WESTBOUND	0.81					0.89	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	6.8%	6.6%	6.6%					0.0%	2.6%	2.6%
SOUTHBOUND	5.5%	3.0%	20.0%	4.0%					2.6%	4.1%	10.0%	3.7%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	33.3%	4.5%
WESTBOUND	7.6%	0.0%	11.0%	8.4%					0.5%	0.0%	1.5%	1.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	61	218	279	0	146	146	425
7:00 AM	TO	8:00 AM	347	675	1022	5	406	411	1433
8:00 AM	TO	9:00 AM	100	253	353	2	138	140	493
2:00 PM	TO	3:00 PM	344	313	657	18	315	333	990
3:00 PM	TO	4:00 PM	444	366	810	28	349	377	1187
4:00 PM	TO	5:00 PM	629	353	982	11	434	445	1427
5:00 PM	TO	6:00 PM	701	386	1087	24	472	496	1583
TOTAL VOLUME			2626	2564	5190	88	2260	2348	7538
PERCENTAGE			34.8%	34.0%	68.9%	1.2%	30.0%	31.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 19 & Field Drive/Park Entrance (#130)  
9/11/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	20	1	21	40	0	40	60	1	61
7:00 AM - 8:00 AM	1	0	1	96	7	103	227	16	243	324	23	347
8:00 AM - 9:00 AM	0	0	0	53	5	58	41	1	42	94	6	100
PM TIME PERIOD												
2:00 PM - 3:00 PM	6	0	6	181	9	190	144	4	148	331	13	344
3:00 PM - 4:00 PM	3	0	3	254	11	265	161	15	176	418	26	444
4:00 PM - 5:00 PM	2	0	2	350	13	363	242	22	264	594	35	629
5:00 PM - 6:00 PM	16	0	16	362	7	369	307	9	316	685	16	701
PASSENGER	28 100.0%			1316 96.1%			1162 94.5%			2506 95.4%		
TRUCK	0 0.0%			53 3.9%			67 5.5%			120 4.6%		
BOTH	28 1.1%			1369 52.1%			1229 46.8%			2626 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	62	1	63	149	4	153	2	0	2	213	5	218
7:00 AM - 8:00 AM	223	13	236	421	13	434	4	1	5	648	27	675
8:00 AM - 9:00 AM	59	2	61	180	9	189	3	0	3	242	11	253
PM TIME PERIOD												
2:00 PM - 3:00 PM	100	5	105	188	13	201	6	1	7	294	19	313
3:00 PM - 4:00 PM	138	11	149	198	14	212	4	1	5	340	26	366
4:00 PM - 5:00 PM	94	16	110	223	17	240	3	0	3	320	33	353
5:00 PM - 6:00 PM	173	3	176	191	9	200	9	1	10	373	13	386
PASSENGER	849 94.3%			1550 95.2%			31 88.6%			2430 94.8%		
TRUCK	51 5.7%			79 4.8%			4 11.4%			134 5.2%		
BOTH	900 35.1%			1629 63.5%			35 1.4%			2564 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	3	0	3	2	0	2	0	0	0	5	0	5
8:00 AM - 9:00 AM	1	1	2	0	0	0	0	0	0	1	1	2
PM TIME PERIOD												
2:00 PM - 3:00 PM	5	1	6	7	1	8	4	0	4	16	2	18
3:00 PM - 4:00 PM	9	0	9	12	0	12	7	0	7	28	0	28
4:00 PM - 5:00 PM	2	0	2	6	0	6	3	0	3	11	0	11
5:00 PM - 6:00 PM	8	0	8	13	0	13	2	1	3	23	1	24
PASSENGER	28 93.3%			40 97.6%			16 94.1%			84 95.5%		
TRUCK	2 6.7%			1 2.4%			1 5.9%			4 4.5%		
BOTH	30 34.1%			41 46.6%			17 19.3%			88 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	91	22	113	1	0	1	23	9	32	115	31	146
7:00 AM - 8:00 AM	290	24	314	1	0	1	81	10	91	372	34	406
8:00 AM - 9:00 AM	100	4	104	3	0	3	27	4	31	130	8	138
PM TIME PERIOD												
2:00 PM - 3:00 PM	127	22	149	7	0	7	122	37	159	256	59	315
3:00 PM - 4:00 PM	181	5	186	7	0	7	148	8	156	336	13	349
4:00 PM - 5:00 PM	169	3	172	16	0	16	242	4	246	427	7	434
5:00 PM - 6:00 PM	187	2	189	20	0	20	260	3	263	467	5	472
PASSENGER	1145 93.3%			55 100.0%			903 92.3%			2103 93.1%		
TRUCK	82 6.7%			0 0.0%			75 7.7%			157 6.9%		
BOTH	1227 54.3%			55 2.4%			978 43.3%			2260 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Field Dr & 10th St. (#131)  
4/25/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	34	38	25	97					112	138	39
SOUTHBOUND	51	141	206	398					26	70	140	236
EASTBOUND	108	391	84	583					218	220	43	481
WESTBOUND	30	139	11	180					13	248	54	315

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.84					0.83
SOUTHBOUND	0.82	0.81				0.89	0.92
EASTBOUND	0.72					0.96	
WESTBOUND	0.70					0.73	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	2.9%	5.3%	4.0%	4.1%					0.9%	0.0%	0.0%
SOUTHBOUND	3.9%	2.1%	0.5%	1.5%					0.0%	1.4%	0.7%	0.8%
EASTBOUND	3.7%	7.9%	6.0%	6.9%					0.5%	1.4%	2.3%	1.0%
WESTBOUND	6.7%	18.7%	18.2%	16.7%					0.0%	0.4%	0.0%	0.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	23	109	132	127	82	209	341
7:00 AM	TO	8:00 AM	97	398	495	583	180	763	1258
8:00 AM	TO	9:00 AM	30	153	183	122	52	174	357
2:00 PM	TO	3:00 PM	160	128	288	249	253	502	790
3:00 PM	TO	4:00 PM	182	224	406	326	246	572	978
4:00 PM	TO	5:00 PM	255	199	454	412	254	666	1120
5:00 PM	TO	6:00 PM	258	240	498	498	323	821	1319
TOTAL VOLUME			1005	1451	2456	2317		3707	6163
PERCENTAGE			16.3%	23.5%	39.9%	37.6%		60.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Field Dr & 10th St. (#131)  
4/25/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	12	0	12	4	0	4	6	1	7	22	1	23
7:00 AM - 8:00 AM	33	1	34	36	2	38	24	1	25	93	4	97
8:00 AM - 9:00 AM	11	1	12	10	0	10	7	1	8	28	2	30
PM TIME PERIOD												
2:00 PM - 3:00 PM	57	3	60	69	2	71	26	3	29	152	8	160
3:00 PM - 4:00 PM	71	3	74	88	5	93	15	0	15	174	8	182
4:00 PM - 5:00 PM	95	1	96	137	4	141	16	2	18	248	7	255
5:00 PM - 6:00 PM	88	1	89	123	0	123	46	0	46	257	1	258
PASSENGER	367 97.3%			467 97.3%			140 94.6%			974 96.9%		
TRUCK	10 2.7%			13 2.7%			8 5.4%			31 3.1%		
BOTH	377 37.5%			480 47.8%			148 14.7%			1005 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	10	1	11	24	0	24	74	0	74	108	1	109
7:00 AM - 8:00 AM	49	2	51	138	3	141	205	1	206	392	6	398
8:00 AM - 9:00 AM	4	4	8	53	5	58	84	3	87	141	12	153
PM TIME PERIOD												
2:00 PM - 3:00 PM	19	0	19	42	2	44	58	7	65	119	9	128
3:00 PM - 4:00 PM	18	2	20	67	5	72	127	5	132	212	12	224
4:00 PM - 5:00 PM	22	1	23	63	6	69	105	2	107	190	9	199
5:00 PM - 6:00 PM	20	0	20	74	0	74	146	0	146	240	0	240
PASSENGER	142 93.4%			461 95.6%			799 97.8%			1402 96.6%		
TRUCK	10 6.6%			21 4.4%			18 2.2%			49 3.4%		
BOTH	152 10.5%			482 33.2%			817 56.3%			1451 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	10	1	11	102	2	104	11	1	12	123	4	127
7:00 AM - 8:00 AM	104	4	108	360	31	391	79	5	84	543	40	583
8:00 AM - 9:00 AM	28	4	32	50	5	55	33	2	35	111	11	122
PM TIME PERIOD												
2:00 PM - 3:00 PM	74	3	77	118	10	128	39	5	44	231	18	249
3:00 PM - 4:00 PM	130	2	132	122	17	139	52	3	55	304	22	326
4:00 PM - 5:00 PM	151	2	153	185	37	222	37	0	37	373	39	412
5:00 PM - 6:00 PM	231	1	232	218	3	221	44	1	45	493	5	498
PASSENGER	728 97.7%			1155 91.7%			295 94.6%			2178 94.0%		
TRUCK	17 2.3%			105 8.3%			17 5.4%			139 6.0%		
BOTH	745 32.2%			1260 54.4%			312 13.5%			2317 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	7	9	36	34	70	1	2	3	39	43	82
7:00 AM - 8:00 AM	28	2	30	113	26	139	9	2	11	150	30	180
8:00 AM - 9:00 AM	10	2	12	27	6	33	4	3	7	41	11	52
PM TIME PERIOD												
2:00 PM - 3:00 PM	15	5	20	164	51	215	17	1	18	196	57	253
3:00 PM - 4:00 PM	13	2	15	188	8	196	33	2	35	234	12	246
4:00 PM - 5:00 PM	17	0	17	190	0	190	47	0	47	254	0	254
5:00 PM - 6:00 PM	14	0	14	251	1	252	57	0	57	322	1	323
PASSENGER	99 84.6%			969 88.5%			168 94.4%			1236 88.9%		
TRUCK	18 15.4%			126 11.5%			10 5.6%			154 11.1%		
BOTH	117 8.4%			1095 78.8%			178 12.8%			1390 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Field Dr & 16th Street (#132)  
 3/1/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	12		80	92					56		50
EASTBOUND		436	43	479					280	61		341
WESTBOUND	37	158		195					24	313		337

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.52				0.78
EASTBOUND	0.72	0.68			0.96	0.89
WESTBOUND	0.68				0.84	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	33.3%		40.0%	39.1%					1.8%		4.0%
EASTBOUND		2.1%	58.1%	7.1%						2.1%	1.6%	2.1%
WESTBOUND	56.8%	24.7%		30.8%					4.2%	1.9%		2.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	20		20	133	74	207	227
7:00 AM	TO	8:00 AM	87		87	443	202	645	732
8:00 AM	TO	9:00 AM	16		16	52	39	91	107
2:00 PM	TO	3:00 PM	104		104	194	277	471	575
3:00 PM	TO	4:00 PM	65		65	176	250	426	491
4:00 PM	TO	5:00 PM	89		89	278	285	563	652
5:00 PM	TO	6:00 PM	105		105	344	334	678	783
TOTAL VOLUME			486		486	1620		3081	3567
PERCENTAGE			13.6%		13.6%	45.4%		86.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Field Dr & 16th Street (#132)  
3/1/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	4	1	5				12	3	15	16	4	20
7:00 AM - 8:00 AM	9	4	13				42	32	74	51	36	87
8:00 AM - 9:00 AM	5	6	11				5	0	5	10	6	16
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	26	19	45				38	21	59	64	40	104
3:00 PM - 4:00 PM	34	9	43				20	2	22	54	11	65
4:00 PM - 5:00 PM	48	1	49				36	4	40	84	5	89
5:00 PM - 6:00 PM	60	2	62				42	1	43	102	3	105
PASSENGER	186 81.6%						195 75.6%			381 78.4%		
TRUCK	42 18.4%						63 24.4%			105 21.6%		
BOTH	228 46.9%						258 53.1%			486 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				128	0	128	3	2	5	131	2	133
7:00 AM - 8:00 AM				384	11	395	21	27	48	405	38	443
8:00 AM - 9:00 AM				43	5	48	3	1	4	46	6	52
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				164	7	171	17	6	23	181	13	194
3:00 PM - 4:00 PM				143	12	155	19	2	21	162	14	176
4:00 PM - 5:00 PM				197	46	243	32	3	35	229	49	278
5:00 PM - 6:00 PM				275	6	281	61	2	63	336	8	344
PASSENGER				1334 93.9%			156 78.4%			1490 92.0%		
TRUCK				87 6.1%			43 21.6%			130 8.0%		
BOTH				1421 87.7%			199 12.3%			1620 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	2	4	25	45	70				27	47	74
7:00 AM - 8:00 AM	21	23	44	132	26	158				153	49	202
8:00 AM - 9:00 AM	5	0	5	27	7	34				32	7	39
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	17	44	61	180	36	216				197	80	277
3:00 PM - 4:00 PM	18	2	20	225	5	230				243	7	250
4:00 PM - 5:00 PM	32	2	34	246	5	251				278	7	285
5:00 PM - 6:00 PM	31	0	31	297	6	303				328	6	334
PASSENGER	126 63.3%			1132 89.7%						1258 86.1%		
TRUCK	73 36.7%			130 10.3%						203 13.9%		
BOTH	199 13.6%			1262 86.4%						1461 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Field Drive & Cumberland Rd (#133)  
4/29/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	76	76	31	183					77	192	31	300
SOUTHBOUND	19	256	43	318					10	121	36	167
EASTBOUND	29	80	124	233					53	142	73	268
WESTBOUND	92	125	21	238					59	196	38	293

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.90	0.78			0.87	0.94
SOUTHBOUND	0.77				0.85	
EASTBOUND	0.76				0.93	
WESTBOUND	0.70				0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	6.6%	10.5%	6.5%	8.2%					3.9%	0.5%	3.2%	1.7%
SOUTHBOUND	21.1%	2.0%	0.0%	2.8%					0.0%	2.5%	0.0%	1.8%
EASTBOUND	24.1%	5.0%	4.8%	7.3%					3.8%	4.2%	0.0%	3.0%
WESTBOUND	2.2%	8.8%	4.8%	5.9%					0.0%	1.0%	0.0%	0.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	37	50	87	92	65	157	244
7:00 AM	TO	8:00 AM	183	318	501	233	238	471	972
8:00 AM	TO	9:00 AM	55	74	129	71	45	116	245
2:00 PM	TO	3:00 PM	253	105	358	208	142	350	708
3:00 PM	TO	4:00 PM	220	174	394	262	176	438	832
4:00 PM	TO	5:00 PM	281	155	436	263	220	483	919
5:00 PM	TO	6:00 PM	284	167	451	267	308	575	1026
TOTAL VOLUME			1313	1043	2356	1396		2590	4946
PERCENTAGE			26.5%	21.1%	47.6%	28.2%		52.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Field Drive & Cumberland Rd (#133)  
4/29/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	17	0	17	12	1	13	7	0	7	36	1	37
7:00 AM - 8:00 AM	71	5	76	68	8	76	29	2	31	168	15	183
8:00 AM - 9:00 AM	8	0	8	37	3	40	6	1	7	51	4	55
PM TIME PERIOD												
2:00 PM - 3:00 PM	69	1	70	152	3	155	27	1	28	248	5	253
3:00 PM - 4:00 PM	57	1	58	132	6	138	21	3	24	210	10	220
4:00 PM - 5:00 PM	73	2	75	170	0	170	35	1	36	278	3	281
5:00 PM - 6:00 PM	83	2	85	172	2	174	25	0	25	280	4	284
PASSENGER	378 97.2%			743 97.0%			150 94.9%			1271 96.8%		
TRUCK	11 2.8%			23 3.0%			8 5.1%			42 3.2%		
BOTH	389 29.6%			766 58.3%			158 12.0%			1313 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	0	8	30	2	32	10	0	10	48	2	50
7:00 AM - 8:00 AM	15	4	19	251	5	256	43	0	43	309	9	318
8:00 AM - 9:00 AM	12	1	13	53	2	55	6	0	6	71	3	74
PM TIME PERIOD												
2:00 PM - 3:00 PM	5	1	6	76	1	77	22	0	22	103	2	105
3:00 PM - 4:00 PM	20	5	25	116	11	127	21	1	22	157	17	174
4:00 PM - 5:00 PM	8	6	14	110	2	112	29	0	29	147	8	155
5:00 PM - 6:00 PM	15	0	15	108	2	110	42	0	42	165	2	167
PASSENGER	83 83.0%			744 96.7%			173 99.4%			1000 95.9%		
TRUCK	17 17.0%			25 3.3%			1 0.6%			43 4.1%		
BOTH	100 9.6%			769 73.7%			174 16.7%			1043 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	9	13	43	5	48	28	3	31	75	17	92
7:00 AM - 8:00 AM	22	7	29	76	4	80	118	6	124	216	17	233
8:00 AM - 9:00 AM	12	5	17	35	2	37	16	1	17	63	8	71
PM TIME PERIOD												
2:00 PM - 3:00 PM	34	9	43	89	15	104	56	5	61	179	29	208
3:00 PM - 4:00 PM	41	3	44	144	5	149	66	3	69	251	11	262
4:00 PM - 5:00 PM	62	2	64	130	5	135	63	1	64	255	8	263
5:00 PM - 6:00 PM	64	2	66	128	3	131	70	0	70	262	5	267
PASSENGER	239 86.6%			645 94.3%			417 95.6%			1301 93.2%		
TRUCK	37 13.4%			39 5.7%			19 4.4%			95 6.8%		
BOTH	276 19.8%			684 49.0%			436 31.2%			1396 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	14	0	14	43	1	44	7	0	7	64	1	65
7:00 AM - 8:00 AM	90	2	92	114	11	125	20	1	21	224	14	238
8:00 AM - 9:00 AM	10	0	10	20	2	22	10	3	13	40	5	45
PM TIME PERIOD												
2:00 PM - 3:00 PM	34	1	35	91	3	94	12	1	13	137	5	142
3:00 PM - 4:00 PM	39	3	42	100	10	110	21	3	24	160	16	176
4:00 PM - 5:00 PM	35	0	35	146	10	156	28	1	29	209	11	220
5:00 PM - 6:00 PM	55	0	55	212	1	213	40	0	40	307	1	308
PASSENGER	277 97.9%			726 95.0%			138 93.9%			1141 95.6%		
TRUCK	6 2.1%			38 5.0%			9 6.1%			53 4.4%		
BOTH	283 23.7%			764 64.0%			147 12.3%			1194 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 SR 37 & 186th Street (#134)  
 4/18/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	122	429	2	553					214	1034	5
SOUTHBOUND	6	1167	104	1277					1	633	23	657
EASTBOUND	10	15	115	140					17	22	110	149
WESTBOUND	1	14	0	15					1	13	1	15

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.89				0.92
SOUTHBOUND	0.96	0.95			0.92	0.94
EASTBOUND	0.92				0.91	
WESTBOUND	0.63				0.75	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	2.5%	4.7%	50.0%	4.3%					1.9%	1.8%	0.0%
SOUTHBOUND	0.0%	2.9%	5.8%	3.1%					0.0%	3.5%	0.0%	3.3%
EASTBOUND	0.0%	0.0%	5.2%	4.3%					0.0%	0.0%	0.9%	0.7%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	7.7%	0.0%	6.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	136	510	646	55	7	62	708
7:00 AM	TO	8:00 AM	553	1277	1830	140	15	155	1985
8:00 AM	TO	9:00 AM	194	512	706	53	4	57	763
2:00 PM	TO	3:00 PM	761	486	1247	130	12	142	1389
3:00 PM	TO	4:00 PM	894	554	1448	174	7	181	1629
4:00 PM	TO	5:00 PM	1099	541	1640	164	20	184	1824
5:00 PM	TO	6:00 PM	1253	657	1910	149	15	164	2074
TOTAL VOLUME			4890	4537	9427	865		945	10372
PERCENTAGE			47.1%	43.7%	90.9%	8.3%		9.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

C ity of Noblesville  
SR 37 & 186th Street (#134)  
4/18/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	36	1	37	91	8	99	0	0	0	127	9	136
7:00 AM - 8:00 AM	119	3	122	409	20	429	1	1	2	529	24	553
8:00 AM - 9:00 AM	19	3	22	155	17	172	0	0	0	174	20	194
PM TIME PERIOD												
2:00 PM - 3:00 PM	98	5	103	605	48	653	5	0	5	708	53	761
3:00 PM - 4:00 PM	112	8	120	733	37	770	4	0	4	849	45	894
4:00 PM - 5:00 PM	148	4	152	914	29	943	4	0	4	1066	33	1099
5:00 PM - 6:00 PM	210	4	214	1015	19	1034	5	0	5	1230	23	1253
PASSENGER	742 96.4%			3922 95.7%			19 95.0%			4683 95.8%		
TRUCK	28 3.6%			178 4.3%			1 5.0%			207 4.2%		
BOTH	770 15.7%			4100 83.8%			20 0.4%			4890 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	478	14	492	17	0	17	496	14	510
7:00 AM - 8:00 AM	6	0	6	1133	34	1167	98	6	104	1237	40	1277
8:00 AM - 9:00 AM	2	0	2	485	20	505	5	0	5	492	20	512
PM TIME PERIOD												
2:00 PM - 3:00 PM	3	0	3	410	38	448	34	1	35	447	39	486
3:00 PM - 4:00 PM	2	0	2	509	30	539	12	1	13	523	31	554
4:00 PM - 5:00 PM	4	0	4	489	17	506	27	4	31	520	21	541
5:00 PM - 6:00 PM	1	0	1	611	22	633	23	0	23	635	22	657
PASSENGER	19 100.0%			4115 95.9%			216 94.7%			4350 95.9%		
TRUCK	0 0.0%			175 4.1%			12 5.3%			187 4.1%		
BOTH	19 0.4%			4290 94.6%			228 5.0%			4537 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	10	0	10	38	5	43	50	5	55
7:00 AM - 8:00 AM	10	0	10	15	0	15	109	6	115	134	6	140
8:00 AM - 9:00 AM	3	0	3	6	0	6	43	1	44	52	1	53
PM TIME PERIOD												
2:00 PM - 3:00 PM	23	2	25	17	0	17	75	13	88	115	15	130
3:00 PM - 4:00 PM	16	0	16	22	1	23	133	2	135	171	3	174
4:00 PM - 5:00 PM	26	2	28	14	0	14	118	4	122	158	6	164
5:00 PM - 6:00 PM	17	0	17	22	0	22	109	1	110	148	1	149
PASSENGER	97 96.0%			106 99.1%			625 95.1%			828 95.7%		
TRUCK	4 4.0%			1 0.9%			32 4.9%			37 4.3%		
BOTH	101 11.7%			107 12.4%			657 76.0%			865 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	6	0	6	0	0	0	7	0	7
7:00 AM - 8:00 AM	1	0	1	14	0	14	0	0	0	15	0	15
8:00 AM - 9:00 AM	2	0	2	2	0	2	0	0	0	4	0	4
PM TIME PERIOD												
2:00 PM - 3:00 PM	2	0	2	8	0	8	2	0	2	12	0	12
3:00 PM - 4:00 PM	1	0	1	3	0	3	3	0	3	7	0	7
4:00 PM - 5:00 PM	0	0	0	16	2	18	2	0	2	18	2	20
5:00 PM - 6:00 PM	1	0	1	12	1	13	1	0	1	14	1	15
PASSENGER	8 100.0%			61 95.3%			8 100.0%			77 96.3%		
TRUCK	0 0.0%			3 4.7%			0 0.0%			3 3.8%		
BOTH	8 10.0%			64 80.0%			8 10.0%			80 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
186th St & Promise Rd (#135)  
10/18/2012  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	10	54		64					13	152		165
SOUTHBOUND		148	7	155						78	3	81
EASTBOUND	5		16	21					7		22	29

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.80				0.90	
SOUTHBOUND	0.82	0.91			0.84	0.88
EASTBOUND	0.48				0.73	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	11.1%		9.4%					0.0%	1.3%		1.2%
SOUTHBOUND		0.7%	14.3%	1.3%						1.3%	0.0%	1.2%
EASTBOUND	0.0%		6.3%	4.8%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	46	105	151	10		10	161
7:00 AM	TO	8:00 AM	64	155	219	21		21	240
8:00 AM	TO	9:00 AM	65	97	162	14		14	176
3:00 PM	TO	4:00 PM	58	45	103	16		16	119
4:00 PM	TO	5:00 PM	146	92	238	22		22	260
5:00 PM	TO	6:00 PM	165	81	246	29		29	275
6:00 PM	TO	7:00 PM	68	44	112	6		6	118
TOTAL VOLUME			612	619	1231	118		118	1349
PERCENTAGE			45.4%	45.9%	91.3%	8.7%		8.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
186th St & Promise Rd (#135)  
10/18/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	10	0	10	35	1	36				45	1	46
7:00 AM - 8:00 AM	10	0	10	48	6	54				58	6	64
8:00 AM - 9:00 AM	3	0	3	60	2	62				63	2	65
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	3	0	3	54	1	55				57	1	58
4:00 PM - 5:00 PM	14	1	15	128	3	131				142	4	146
5:00 PM - 6:00 PM	13	0	13	150	2	152				163	2	165
6:00 PM - 7:00 PM	4	0	4	64	0	64				68	0	68
<b>PASSENGER</b>	57 98.3%			539 97.3%						596 97.4%		
<b>TRUCK</b>	1 1.7%			15 2.7%						16 2.6%		
<b>BOTH</b>	58 9.5%			554 90.5%						612 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				84	2	86	0	0	0	103	2	105
7:00 AM - 8:00 AM				147	1	148	6	1	7	153	2	155
8:00 AM - 9:00 AM				95	1	96	1	0	1	96	1	97
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				37	4	41	3	1	4	40	5	45
4:00 PM - 5:00 PM				87	2	89	3	0	3	90	2	92
5:00 PM - 6:00 PM				77	1	78	3	0	3	80	1	81
6:00 PM - 7:00 PM				42	1	43	1	0	1	43	1	44
<b>PASSENGER</b>				569 97.9%			17 89.5%			605 97.7%		
<b>TRUCK</b>				12 2.1%			2 10.5%			14 2.3%		
<b>BOTH</b>				581 93.9%			19 3.1%			619 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	0	2				7	0	7	10	0	10
7:00 AM - 8:00 AM	5	0	5				15	1	16	20	1	21
8:00 AM - 9:00 AM	1	0	1				13	0	13	14	0	14
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	6	1	7				9	0	9	15	1	16
4:00 PM - 5:00 PM	8	0	8				14	0	14	22	0	22
5:00 PM - 6:00 PM	7	0	7				22	0	22	29	0	29
6:00 PM - 7:00 PM	4	0	4				2	0	2	6	0	6
<b>PASSENGER</b>	33 97.1%						82 98.8%			116 98.3%		
<b>TRUCK</b>	1 2.9%						1 1.2%			2 1.7%		
<b>BOTH</b>	34 28.8%						83 70.3%			118 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 186th St & Deshane Ave \*(#136)  
 11/14/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		1	0	1						1		2
SOUTHBOUND	7	3		10					6	6		12
WESTBOUND	1		1	2					1		5	6

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.25				0.50	
SOUTHBOUND	0.63	0.65			1.00	0.83
WESTBOUND	0.50				0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		0.0%	0.0%	0.0%						0.0%	100.0%	50.0%
SOUTHBOUND	14.3%	0.0%		10.0%					0.0%	50.0%		25.0%
WESTBOUND	100.0%		0.0%	50.0%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0	7	7		1	1	8
7:00 AM	TO	8:00 AM	2	7	9		1	1	10
8:00 AM	TO	9:00 AM	4	4	8		4	4	12
3:00 PM	TO	4:00 PM	2	1	3		3	3	6
4:00 PM	TO	5:00 PM	3	7	10		4	4	14
5:00 PM	TO	6:00 PM	4	6	10		7	7	17
6:00 PM	TO	7:00 PM	0	1	1		5	5	6
TOTAL VOLUME			15	33	48		25	25	73
PERCENTAGE			20.5%	45.2%	65.8%		34.2%	34.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
186th St & Deshane Ave \*#136)  
11/14/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM				2	0	2	0	0	0	2	0	2
8:00 AM - 9:00 AM				4	0	4	0	0	0	4	0	4
PM TIME PERIOD												
3:00 PM - 4:00 PM				1	0	1	0	1	1	1	1	2
4:00 PM - 5:00 PM				2	0	2	1	0	1	3	0	3
5:00 PM - 6:00 PM				3	0	3	0	1	1	3	1	4
6:00 PM - 7:00 PM				0	0	0	0	0	0	0	0	0
PASSENGER				12 100.0%			1 33.3%			13 86.7%		
TRUCK				0 0.0%			2 66.7%			2 13.3%		
BOTH				12 80.0%			3 20.0%			15 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	1	4	3	0	3				6	1	7
7:00 AM - 8:00 AM	4	0	4	3	0	3				7	0	7
8:00 AM - 9:00 AM	3	0	3	1	0	1				4	0	4
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	0	0	0				1	0	1
4:00 PM - 5:00 PM	3	0	3	3	1	4				6	1	7
5:00 PM - 6:00 PM	3	0	3	1	2	3				4	2	6
6:00 PM - 7:00 PM	0	0	0	1	0	1				1	0	1
PASSENGER	17 94.4%			12 80.0%						29 87.9%		
TRUCK	1 5.6%			3 20.0%						4 12.1%		
BOTH	18 54.5%			15 45.5%						33 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1				0	0	0	0	1	1
7:00 AM - 8:00 AM	0	0	0				1	0	1	1	0	1
8:00 AM - 9:00 AM	0	0	0				4	0	4	4	0	4
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1				1	1	2	2	1	3
4:00 PM - 5:00 PM	1	0	1				2	1	3	3	1	4
5:00 PM - 6:00 PM	0	0	0				7	0	7	7	0	7
6:00 PM - 7:00 PM	1	0	1				4	0	4	5	0	5
PASSENGER	3 75.0%						19 90.5%			22 88.0%		
TRUCK	1 25.0%						2 9.5%			3 12.0%		
BOTH	4 16.0%						21 84.0%			25 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 186th St & Pennington Rd (#137)  
 1/23/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	2		2	4					10		4	14
EASTBOUND		0	7	7						2	3	5
WESTBOUND	2	2		4					4	1		5

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.50				0.58	
EASTBOUND	0.58	0.75			0.63	0.67
WESTBOUND	1.00				0.63	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%		100.0%	50.0%					0.0%		0.0%	0.0%
EASTBOUND		0.0%	14.3%	14.3%						0.0%	0.0%	0.0%
WESTBOUND	50.0%	50.0%		50.0%					0.0%	0.0%		0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	2		2	7	3	10	12
7:00 AM	TO	8:00 AM	3		3	5	4	9	12
8:00 AM	TO	9:00 AM	4		4	3	4	7	11
3:00 PM	TO	4:00 PM	4		4	2	1	3	7
4:00 PM	TO	5:00 PM	6		6	3	2	5	11
5:00 PM	TO	6:00 PM	13		13	6	4	10	23
6:00 PM	TO	7:00 PM	1		1	3	1	4	5
TOTAL VOLUME			33		33	29	19	48	81
PERCENTAGE			40.7%		40.7%	35.8%	23.5%	59.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
186th St & Pennington Rd (#137)  
1/23/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1				0	1	1	1	1	2
7:00 AM - 8:00 AM	1	0	1				1	1	2	2	1	3
8:00 AM - 9:00 AM	3	0	3				0	1	1	3	1	4
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	1	1	2				1	1	2	2	2	4
4:00 PM - 5:00 PM	5	0	5				1	0	1	6	0	6
5:00 PM - 6:00 PM	8	0	8				5	0	5	13	0	13
6:00 PM - 7:00 PM	1	0	1				0	0	0	1	0	1
<b>PASSENGER</b>	20 95.2%						8 66.7%			28 84.8%		
<b>TRUCK</b>	1 4.8%						4 33.3%			5 15.2%		
<b>BOTH</b>	21 63.6%						12 36.4%			33 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				0	0	0	6	1	7	6	1	7
7:00 AM - 8:00 AM				0	0	0	5	0	5	5	0	5
8:00 AM - 9:00 AM				0	0	0	2	1	3	2	1	3
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				0	1	1	1	0	1	1	1	2
4:00 PM - 5:00 PM				1	0	1	2	0	2	3	0	3
5:00 PM - 6:00 PM				3	0	3	3	0	3	6	0	6
6:00 PM - 7:00 PM				0	0	0	3	0	3	3	0	3
<b>PASSENGER</b>				4 80.0%			22 91.7%			26 89.7%		
<b>TRUCK</b>				1 20.0%			2 8.3%			3 10.3%		
<b>BOTH</b>				5 17.2%			24 82.8%			29 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1	1	1	2				2	1	3
7:00 AM - 8:00 AM	2	1	3	1	0	1				3	1	4
8:00 AM - 9:00 AM	1	0	1	3	0	3				4	0	4
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	1	0	1	0	0	0				1	0	1
4:00 PM - 5:00 PM	2	0	2	0	0	0				2	0	2
5:00 PM - 6:00 PM	3	0	3	1	0	1				4	0	4
6:00 PM - 7:00 PM	1	0	1	0	0	0				1	0	1
<b>PASSENGER</b>	11 91.7%			6 85.7%						17 89.5%		
<b>TRUCK</b>	1 8.3%			1 14.3%						2 10.5%		
<b>BOTH</b>	12 63.2%			7 36.8%						19 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 186th St & Durbin Rd (#138)  
 12/19/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	5	10		15					7	15		22
SOUTHBOUND		15	0	15						7	0	7
EASTBOUND	0		3	3					1		5	6

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.54				0.69	
SOUTHBOUND	0.63	0.83			0.44	0.73
EASTBOUND	0.38				0.75	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	20.0%	20.0%		20.0%					14.3%	0.0%		4.5%
SOUTHBOUND		26.7%	0.0%	26.7%						0.0%	0.0%	0.0%
EASTBOUND	0.0%		33.3%	33.3%					0.0%		20.0%	16.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	1	11	12	7		7	19
7:00 AM	TO	8:00 AM	4	13	17	7		7	24
8:00 AM	TO	9:00 AM	17	11	28	3		3	31
3:00 PM	TO	4:00 PM	9	6	15	3		3	18
4:00 PM	TO	5:00 PM	13	9	22	2		2	24
5:00 PM	TO	6:00 PM	18	8	26	4		4	30
6:00 PM	TO	7:00 PM	12	2	14	2		2	16
TOTAL VOLUME			74	60	134	28		28	162
PERCENTAGE			45.7%	37.0%	82.7%	17.3%		17.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
186th St & Durbin Rd (#138)  
12/19/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	1	0	1				1	0	1
7:00 AM - 8:00 AM	1	0	1	2	1	3				3	1	4
8:00 AM - 9:00 AM	4	1	5	9	3	12				13	4	17
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	8	1	9				8	1	9
4:00 PM - 5:00 PM	2	0	2	10	1	11				12	1	13
5:00 PM - 6:00 PM	2	1	3	15	0	15				17	1	18
6:00 PM - 7:00 PM	5	0	5	7	0	7				12	0	12
<b>PASSENGER</b>	14 87.5%			52 89.7%						66 89.2%		
<b>TRUCK</b>	2 12.5%			6 10.3%						8 10.8%		
<b>BOTH</b>	16 21.6%			58 78.4%						74 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				8	0	8	2	1	3	10	1	11
7:00 AM - 8:00 AM				11	1	12	1	0	1	12	1	13
8:00 AM - 9:00 AM				8	3	11	0	0	0	8	3	11
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				4	1	5	1	0	1	5	1	6
4:00 PM - 5:00 PM				8	1	9	0	0	0	8	1	9
5:00 PM - 6:00 PM				8	0	8	0	0	0	8	0	8
6:00 PM - 7:00 PM				2	0	2	0	0	0	2	0	2
<b>PASSENGER</b>				49 89.1%			4 80.0%			53 88.3%		
<b>TRUCK</b>				6 10.9%			1 20.0%			7 11.7%		
<b>BOTH</b>				55 91.7%			5 8.3%			60 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1				5	1	6	6	1	7
7:00 AM - 8:00 AM	0	0	0				7	0	7	7	0	7
8:00 AM - 9:00 AM	0	0	0				2	1	3	2	1	3
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	1	1				1	1	2	1	2	3
4:00 PM - 5:00 PM	0	0	0				2	0	2	2	0	2
5:00 PM - 6:00 PM	1	0	1				2	1	3	3	1	4
6:00 PM - 7:00 PM	0	0	0				2	0	2	2	0	2
<b>PASSENGER</b>	2 66.7%						21 84.0%			23 82.1%		
<b>TRUCK</b>	1 33.3%						4 16.0%			5 17.9%		
<b>BOTH</b>	3 10.7%						25 89.3%			28 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Moontown Rd. & 191st St. (#139)  
6/13/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	13	28	5	46					14	65	52	131
SOUTHBOUND	5	50	18	73					2	29	4	35
EASTBOUND	6	257	6	269					19	216	11	246
WESTBOUND	32	207	1	240					14	99	2	115

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.77	0.51			0.86	0.90
SOUTHBOUND	0.68				0.58	
EASTBOUND	0.33				0.83	
WESTBOUND	0.86				0.80	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					7.1%	1.5%	0.0%	1.5%
SOUTHBOUND	20.0%	0.0%	0.0%	1.4%					0.0%	3.4%	0.0%	2.9%
EASTBOUND	0.0%	0.4%	0.0%	0.4%					0.0%	1.9%	0.0%	1.6%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	21	42	63	35	167	202	265
7:00 AM	TO	8:00 AM	46	73	119	269	240	509	628
8:00 AM	TO	9:00 AM	43	51	94	71	144	215	309
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	36	18	54	57	27	84	138
4:00 PM	TO	5:00 PM	83	42	125	209	90	299	424
5:00 PM	TO	6:00 PM	131	35	166	246	115	361	527
6:00 PM	TO	7:00 PM	55	26	81	113	45	158	239
TOTAL VOLUME			415	287	702	1000	828	1828	2530
PERCENTAGE			16.4%	11.3%	27.7%	39.5%	32.7%	72.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Moontown Rd. & 191st St. (#139)  
6/13/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	12	0	12	4	0	4	21	0	21
7:00 AM - 8:00 AM	13	0	13	28	0	28	5	0	5	46	0	46
8:00 AM - 9:00 AM	10	0	10	24	1	25	8	0	8	42	1	43
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	5	0	5	22	0	22	9	0	9	36	0	36
4:00 PM - 5:00 PM	12	0	12	47	0	47	24	0	24	83	0	83
5:00 PM - 6:00 PM	13	1	14	64	1	65	52	0	52	129	2	131
6:00 PM - 7:00 PM	6	0	6	26	0	26	23	0	23	55	0	55
PASSENGER	64 98.5%			223 99.1%			125 100.0%			412 99.3%		
TRUCK	1 1.5%			2 0.9%			0 0.0%			3 0.7%		
BOTH	65 15.7%			225 54.2%			125 30.1%			415 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	24	0	24	13	0	13	42	0	42
7:00 AM - 8:00 AM	4	1	5	50	0	50	18	0	18	72	1	73
8:00 AM - 9:00 AM	3	1	4	39	0	39	8	0	8	50	1	51
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	14	0	14	2	0	2	18	0	18
4:00 PM - 5:00 PM	9	0	9	31	0	31	2	0	2	42	0	42
5:00 PM - 6:00 PM	2	0	2	28	1	29	4	0	4	34	1	35
6:00 PM - 7:00 PM	2	0	2	18	0	18	6	0	6	26	0	26
PASSENGER	27 93.1%			204 99.5%			53 100.0%			284 99.0%		
TRUCK	2 6.9%			1 0.5%			0 0.0%			3 1.0%		
BOTH	29 10.1%			205 71.4%			53 18.5%			287 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	27	0	27	7	0	7	35	0	35
7:00 AM - 8:00 AM	6	0	6	256	1	257	6	0	6	268	1	269
8:00 AM - 9:00 AM	4	0	4	56	2	58	9	0	9	69	2	71
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	7	0	7	46	1	47	3	0	3	56	1	57
4:00 PM - 5:00 PM	16	0	16	180	0	180	13	0	13	209	0	209
5:00 PM - 6:00 PM	19	0	19	212	4	216	11	0	11	242	4	246
6:00 PM - 7:00 PM	13	1	14	91	0	91	8	0	8	112	1	113
PASSENGER	66 98.5%			868 99.1%			57 100.0%			991 99.1%		
TRUCK	1 1.5%			8 0.9%			0 0.0%			9 0.9%		
BOTH	67 6.7%			876 87.6%			57 5.7%			1000 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	0	8	158	0	158	1	0	1	167	0	167
7:00 AM - 8:00 AM	32	0	32	207	0	207	1	0	1	240	0	240
8:00 AM - 9:00 AM	11	0	11	127	4	131	2	0	2	140	4	144
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	5	0	5	20	2	22	0	0	0	25	2	27
4:00 PM - 5:00 PM	11	0	11	77	1	78	1	0	1	89	1	90
5:00 PM - 6:00 PM	14	0	14	99	0	99	2	0	2	115	0	115
6:00 PM - 7:00 PM	6	0	6	38	0	38	1	0	1	45	0	45
PASSENGER	87 100.0%			726 99.0%			8 100.0%			821 99.2%		
TRUCK	0 0.0%			7 1.0%			0 0.0%			7 0.8%		
BOTH	87 10.5%			733 88.5%			8 1.0%			828 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Little Chicago Road & 191st Street - Maple Grove Drive (#140)  
5/15/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	30	158	9	197					12	535	37
SOUTHBOUND	1	659	194	854					8	333	53	394
EASTBOUND	35	7	16	58					179	34	23	236
WESTBOUND	65	45	2	112					32	11	5	48

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.88					0.96
SOUTHBOUND	0.94	0.94				0.75	0.98
EASTBOUND	0.85					0.88	
WESTBOUND	0.88					0.67	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	6.7%	6.3%	0.0%	6.1%					16.7%	2.1%	0.0%
SOUTHBOUND	0.0%	0.6%	1.0%	0.7%					0.0%	1.5%	1.9%	1.5%
EASTBOUND	2.9%	0.0%	6.3%	3.4%					1.1%	0.0%	0.0%	0.8%
WESTBOUND	1.5%	0.0%	0.0%	0.9%					3.1%	0.0%	0.0%	2.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	71	312	383	10	30	40	423
7:00 AM	TO	8:00 AM	197	854	1051	58	112	170	1221
8:00 AM	TO	9:00 AM	100	315	415	21	43	64	479
2:00 PM	TO	3:00 PM	174	213	387	68	25	93	480
3:00 PM	TO	4:00 PM	330	279	609	179	31	210	819
4:00 PM	TO	5:00 PM	435	284	719	179	37	216	935
5:00 PM	TO	6:00 PM	584	394	978	236	48	284	1262
TOTAL VOLUME			1891	2651	4542	751		1077	5619
PERCENTAGE			33.7%	47.2%	80.8%	13.4%		19.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Little Chicago Road & 191st Street - Maple Grove Drive (#140)  
5/15/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	14	0	14	56	1	57	0	0	0	70	1	71
7:00 AM - 8:00 AM	28	2	30	148	10	158	9	0	9	185	12	197
8:00 AM - 9:00 AM	15	3	18	72	6	78	4	0	4	91	9	100
PM TIME PERIOD												
2:00 PM - 3:00 PM	6	4	10	146	6	152	11	1	12	163	11	174
3:00 PM - 4:00 PM	18	7	25	276	9	285	19	1	20	313	17	330
4:00 PM - 5:00 PM	9	5	14	398	8	406	15	0	15	422	13	435
5:00 PM - 6:00 PM	10	2	12	524	11	535	37	0	37	571	13	584
PASSENGER	100 81.3%			1620 96.9%			95 97.9%			1815 96.0%		
TRUCK	23 18.7%			51 3.1%			2 2.1%			76 4.0%		
BOTH	123 6.5%			1671 88.4%			97 5.1%			1891 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	229	3	232	78	1	79	308	4	312
7:00 AM - 8:00 AM	1	0	1	655	4	659	192	2	194	848	6	854
8:00 AM - 9:00 AM	0	0	0	251	4	255	60	0	60	311	4	315
PM TIME PERIOD												
2:00 PM - 3:00 PM	3	0	3	150	21	171	37	2	39	190	23	213
3:00 PM - 4:00 PM	7	0	7	215	13	228	40	4	44	262	17	279
4:00 PM - 5:00 PM	12	0	12	205	8	213	58	1	59	275	9	284
5:00 PM - 6:00 PM	8	0	8	328	5	333	52	1	53	388	6	394
PASSENGER	32 100.0%			2033 97.2%			517 97.9%			2582 97.4%		
TRUCK	0 0.0%			58 2.8%			11 2.1%			69 2.6%		
BOTH	32 1.2%			2091 78.9%			528 19.9%			2651 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	1	9	0	0	0	1	0	1	9	1	10
7:00 AM - 8:00 AM	34	1	35	7	0	7	15	1	16	56	2	58
8:00 AM - 9:00 AM	13	0	13	1	0	1	6	1	7	20	1	21
PM TIME PERIOD												
2:00 PM - 3:00 PM	46	0	46	8	0	8	7	7	14	61	7	68
3:00 PM - 4:00 PM	110	3	113	23	3	26	34	6	40	167	12	179
4:00 PM - 5:00 PM	134	5	139	17	0	17	23	0	23	174	5	179
5:00 PM - 6:00 PM	177	2	179	34	0	34	23	0	23	234	2	236
PASSENGER	522 97.8%			90 96.8%			109 87.9%			721 96.0%		
TRUCK	12 2.2%			3 3.2%			15 12.1%			30 4.0%		
BOTH	534 71.1%			93 12.4%			124 16.5%			751 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	14	1	15	12	0	12	3	0	3	29	1	30
7:00 AM - 8:00 AM	64	1	65	45	0	45	2	0	2	111	1	112
8:00 AM - 9:00 AM	28	1	29	11	0	11	3	0	3	42	1	43
PM TIME PERIOD												
2:00 PM - 3:00 PM	11	0	11	9	1	10	4	0	4	24	1	25
3:00 PM - 4:00 PM	15	1	16	10	0	10	5	0	5	30	1	31
4:00 PM - 5:00 PM	21	0	21	10	0	10	6	0	6	37	0	37
5:00 PM - 6:00 PM	31	1	32	11	0	11	5	0	5	47	1	48
PASSENGER	184 97.4%			108 99.1%			28 100.0%			320 98.2%		
TRUCK	5 2.6%			1 0.9%			0 0.0%			6 1.8%		
BOTH	189 58.0%			109 33.4%			28 8.6%			326 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 10th St & 191st St (#141)  
 4/30/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND		34	126	160					11	151	187
SOUTHBOUND	10	108		118					98			109
WESTBOUND	198		3	201					147		11	158

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.78				0.90
SOUTHBOUND	0.67	0.82			0.59	0.94
WESTBOUND	0.79				0.88	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND		20.6%	6.3%	9.4%						2.0%	0.0%
SOUTHBOUND	20.0%	6.5%		7.6%					0.0%	1.0%		0.9%
WESTBOUND	1.5%		66.7%	2.5%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	27	29	56		54	54	110
7:00 AM	TO	8:00 AM	160	118	278		201	201	479
8:00 AM	TO	9:00 AM	34	68	102		63	63	165
2:00 PM	TO	3:00 PM	169	69	238		94	94	332
3:00 PM	TO	4:00 PM	227	75	302		150	150	452
4:00 PM	TO	5:00 PM	268	71	339		135	135	474
5:00 PM	TO	6:00 PM	338	109	447		158	158	605
TOTAL VOLUME			1223	539	1762			855	2617
PERCENTAGE			46.7%	20.6%	67.3%			32.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
10th St & 191st St (#141)  
4/30/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				11	1	12	14	1	15	25	2	27
7:00 AM - 8:00 AM				27	7	34	118	8	126	145	15	160
8:00 AM - 9:00 AM				9	2	11	22	1	23	31	3	34
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				59	8	67	96	6	102	155	14	169
3:00 PM - 4:00 PM				96	10	106	118	3	121	214	13	227
4:00 PM - 5:00 PM				113	2	115	152	1	153	265	3	268
5:00 PM - 6:00 PM				148	3	151	187	0	187	335	3	338
<b>PASSENGER</b>				463 93.3%			707 97.2%			1170 95.7%		
<b>TRUCK</b>				33 6.7%			20 2.8%			53 4.3%		
<b>BOTH</b>				496 40.6%			727 59.4%			1223 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	3	0	3	26	0	26				29	0	29
7:00 AM - 8:00 AM	8	2	10	101	7	108				109	9	118
8:00 AM - 9:00 AM	6	1	7	60	1	61				66	2	68
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	5	1	6	58	5	63				63	6	69
3:00 PM - 4:00 PM	1	2	3	64	8	72				65	10	75
4:00 PM - 5:00 PM	4	0	4	65	2	67				69	2	71
5:00 PM - 6:00 PM	11	0	11	97	1	98				108	1	109
<b>PASSENGER</b>	38 86.4%			471 95.2%						509 94.4%		
<b>TRUCK</b>	6 13.6%			24 4.8%						30 5.6%		
<b>BOTH</b>	44 8.2%			495 91.8%						539 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	54	0	54				0	0	0	54	0	54
7:00 AM - 8:00 AM	195	3	198				1	2	3	196	5	201
8:00 AM - 9:00 AM	58	3	61				1	1	2	59	4	63
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	83	4	87				7	0	7	90	4	94
3:00 PM - 4:00 PM	136	6	142				7	1	8	143	7	150
4:00 PM - 5:00 PM	119	0	119				15	1	16	134	1	135
5:00 PM - 6:00 PM	147	0	147				11	0	11	158	0	158
<b>PASSENGER</b>	792 98.0%						42 89.4%			834 97.5%		
<b>TRUCK</b>	16 2.0%						5 10.6%			21 2.5%		
<b>BOTH</b>	808 94.5%						47 5.5%			855 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Cumberland Rd & 191st Street (#142)  
5/2/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	11	36	40	87					32	134	77	243
SOUTHBOUND	211	162	26	399					146	86	9	241
EASTBOUND	46	127	34	207					12	159	20	191
WESTBOUND	61	110	49	220					40	157	131	328

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.84	0.94			0.84	0.91
SOUTHBOUND	0.97				0.74	
EASTBOUND	0.78				0.92	
WESTBOUND	0.90				0.84	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	9.1%	19.4%	12.5%	14.9%					0.0%	1.5%	1.3%	1.2%
SOUTHBOUND	0.9%	7.4%	0.0%	3.5%					0.7%	2.3%	0.0%	1.2%
EASTBOUND	4.3%	3.1%	0.0%	2.9%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	3.3%	4.5%	2.0%	3.6%					0.0%	0.0%	2.3%	0.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	33	135	168	51	67	118	286
7:00 AM	TO	8:00 AM	87	399	486	207	220	427	913
8:00 AM	TO	9:00 AM	41	169	210	60	73	133	343
2:00 PM	TO	3:00 PM	226	180	406	84	170	254	660
3:00 PM	TO	4:00 PM	216	237	453	132	246	378	831
4:00 PM	TO	5:00 PM	199	190	389	165	282	447	836
5:00 PM	TO	6:00 PM	231	249	480	175	313	488	968
TOTAL VOLUME			1033	1559	2592	874		2245	4837
PERCENTAGE			21.4%	32.2%	53.6%	18.1%		46.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cumberland Rd & 191st Street (#142)  
5/2/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	12	3	15	7	7	14	23	10	33
7:00 AM - 8:00 AM	10	1	11	29	7	36	35	5	40	74	13	87
8:00 AM - 9:00 AM	8	2	10	18	1	19	9	3	12	35	6	41
PM TIME PERIOD												
2:00 PM - 3:00 PM	23	2	25	129	2	131	62	8	70	214	12	226
3:00 PM - 4:00 PM	26	2	28	126	3	129	53	6	59	205	11	216
4:00 PM - 5:00 PM	21	0	21	123	0	123	54	1	55	198	1	199
5:00 PM - 6:00 PM	31	0	31	118	4	122	77	1	78	226	5	231
PASSENGER	123 94.6%			555 96.5%			297 90.5%			975 94.4%		
TRUCK	7 5.4%			20 3.5%			31 9.5%			58 5.6%		
BOTH	130 12.6%			575 55.7%			328 31.8%			1033 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	94	3	97	36	0	36	1	1	2	131	4	135
7:00 AM - 8:00 AM	209	2	211	150	12	162	26	0	26	385	14	399
8:00 AM - 9:00 AM	106	1	107	42	4	46	14	2	16	162	7	169
PM TIME PERIOD												
2:00 PM - 3:00 PM	94	3	97	72	6	78	4	1	5	170	10	180
3:00 PM - 4:00 PM	99	6	105	91	8	99	33	0	33	223	14	237
4:00 PM - 5:00 PM	119	4	123	63	1	64	3	0	3	185	5	190
5:00 PM - 6:00 PM	145	2	147	89	2	91	11	0	11	245	4	249
PASSENGER	866 97.6%			543 94.3%			92 95.8%			1501 96.3%		
TRUCK	21 2.4%			33 5.7%			4 4.2%			58 3.7%		
BOTH	887 56.9%			576 36.9%			96 6.2%			1559 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	40	0	40	11	0	11	51	0	51
7:00 AM - 8:00 AM	44	2	46	123	4	127	34	0	34	201	6	207
8:00 AM - 9:00 AM	6	0	6	43	1	44	9	1	10	58	2	60
PM TIME PERIOD												
2:00 PM - 3:00 PM	12	1	13	51	1	52	18	1	19	81	3	84
3:00 PM - 4:00 PM	15	0	15	101	5	106	11	0	11	127	5	132
4:00 PM - 5:00 PM	7	0	7	142	3	145	13	0	13	162	3	165
5:00 PM - 6:00 PM	17	0	17	138	0	138	20	0	20	175	0	175
PASSENGER	101 97.1%			638 97.9%			116 98.3%			855 97.8%		
TRUCK	3 2.9%			14 2.1%			2 1.7%			19 2.2%		
BOTH	104 11.9%			652 74.6%			118 13.5%			874 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	13	0	13	44	0	44	10	0	10	67	0	67
7:00 AM - 8:00 AM	59	2	61	105	5	110	48	1	49	212	8	220
8:00 AM - 9:00 AM	9	6	15	35	1	36	21	1	22	65	8	73
PM TIME PERIOD												
2:00 PM - 3:00 PM	11	4	15	62	0	62	89	4	93	162	8	170
3:00 PM - 4:00 PM	18	4	22	100	2	102	118	4	122	236	10	246
4:00 PM - 5:00 PM	29	0	29	124	0	124	126	3	129	279	3	282
5:00 PM - 6:00 PM	39	0	39	152	1	153	119	2	121	310	3	313
PASSENGER	178 91.8%			622 98.6%			531 97.3%			1331 97.1%		
TRUCK	16 8.2%			9 1.4%			15 2.7%			40 2.9%		
BOTH	194 14.2%			631 46.0%			546 39.8%			1371 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 37 & 191st Street (#143)  
4/16/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	133	246	52	431					181	589	242
SOUTHBOUND	4	598	13	615					4	384	11	399
EASTBOUND	10	87	291	388					12	174	147	333
WESTBOUND	331	193	3	527					128	95	5	228

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.76					0.90
SOUTHBOUND	0.83	0.92				0.88	0.96
EASTBOUND	0.72					0.86	
WESTBOUND	0.83					0.85	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	11.4%	9.6%	7.7%					0.0%	3.1%	0.8%
SOUTHBOUND	0.0%	6.9%	0.0%	6.7%					0.0%	4.2%	0.0%	4.0%
EASTBOUND	10.0%	6.9%	0.0%	1.8%					0.0%	0.6%	0.7%	0.6%
WESTBOUND	3.0%	1.6%	0.0%	2.5%					0.8%	1.1%	0.0%	0.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	105	283	388	121	190	311	699
7:00 AM	TO	8:00 AM	431	615	1046	388	527	915	1961
8:00 AM	TO	9:00 AM	161	242	403	197	175	372	775
2:00 PM	TO	3:00 PM	592	325	917	203	141	344	1261
3:00 PM	TO	4:00 PM	665	276	941	321	160	481	1422
4:00 PM	TO	5:00 PM	946	316	1262	331	207	538	1800
5:00 PM	TO	6:00 PM	1012	399	1411	333	228	561	1972
TOTAL VOLUME			3912	2456	6368	1894		3522	9890
PERCENTAGE			39.6%	24.8%	64.4%	19.2%		35.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 37 & 191st Street (#143)  
4/16/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	14	0	14	72	11	83	7	1	8	93	12	105
7:00 AM - 8:00 AM	133	0	133	218	28	246	47	5	52	398	33	431
8:00 AM - 9:00 AM	27	1	28	87	25	112	20	1	21	134	27	161
PM TIME PERIOD												
2:00 PM - 3:00 PM	150	4	154	289	38	327	106	5	111	545	47	592
3:00 PM - 4:00 PM	117	1	118	393	24	417	129	1	130	639	26	665
4:00 PM - 5:00 PM	202	1	203	543	14	557	183	3	186	928	18	946
5:00 PM - 6:00 PM	181	0	181	571	18	589	240	2	242	992	20	1012
PASSENGER	824 99.2%			2173 93.2%			732 97.6%			3729 95.3%		
TRUCK	7 0.8%			158 6.8%			18 2.4%			183 4.7%		
BOTH	831 21.2%			2331 59.6%			750 19.2%			3912 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	271	7	278	3	1	4	275	8	283
7:00 AM - 8:00 AM	4	0	4	557	41	598	13	0	13	574	41	615
8:00 AM - 9:00 AM	0	0	0	223	15	238	4	0	4	227	15	242
PM TIME PERIOD												
2:00 PM - 3:00 PM	3	0	3	281	37	318	4	0	4	288	37	325
3:00 PM - 4:00 PM	4	0	4	237	27	264	8	0	8	249	27	276
4:00 PM - 5:00 PM	3	0	3	283	20	303	10	0	10	296	20	316
5:00 PM - 6:00 PM	4	0	4	368	16	384	11	0	11	383	16	399
PASSENGER	19 100.0%			2220 93.2%			53 98.1%			2292 93.3%		
TRUCK	0 0.0%			163 6.8%			1 1.9%			164 6.7%		
BOTH	19 0.8%			2383 97.0%			54 2.2%			2456 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	2	7	9	5	14	99	1	100	113	8	121
7:00 AM - 8:00 AM	9	1	10	81	6	87	291	0	291	381	7	388
8:00 AM - 9:00 AM	4	1	5	24	4	28	163	1	164	191	6	197
PM TIME PERIOD												
2:00 PM - 3:00 PM	9	2	11	95	4	99	91	2	93	195	8	203
3:00 PM - 4:00 PM	11	0	11	143	12	155	153	2	155	307	14	321
4:00 PM - 5:00 PM	13	0	13	171	2	173	144	1	145	328	3	331
5:00 PM - 6:00 PM	12	0	12	173	1	174	146	1	147	331	2	333
PASSENGER	63 91.3%			696 95.3%			1087 99.3%			1846 97.5%		
TRUCK	6 8.7%			34 4.7%			8 0.7%			48 2.5%		
BOTH	69 3.6%			730 38.5%			1095 57.8%			1894 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	132	1	133	53	0	53	4	0	4	189	1	190
7:00 AM - 8:00 AM	321	10	331	190	3	193	3	0	3	514	13	527
8:00 AM - 9:00 AM	110	2	112	57	6	63	0	0	0	167	8	175
PM TIME PERIOD												
2:00 PM - 3:00 PM	67	1	68	65	2	67	5	1	6	137	4	141
3:00 PM - 4:00 PM	80	5	85	65	8	73	2	0	2	147	13	160
4:00 PM - 5:00 PM	127	3	130	68	5	73	4	0	4	199	8	207
5:00 PM - 6:00 PM	127	1	128	94	1	95	5	0	5	226	2	228
PASSENGER	964 97.7%			592 95.9%			23 95.8%			1579 97.0%		
TRUCK	23 2.3%			25 4.1%			4 4.2%			49 3.0%		
BOTH	987 60.6%			617 37.9%			24 1.5%			1628 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Promise Road & 191st Street #144  
4/26/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	30	43	7	80					49	112	31
SOUTHBOUND	6	94	39	139					2	65	21	88
EASTBOUND	10	40	28	78					29	98	13	140
WESTBOUND	23	88	1	112					23	64	4	91

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.77	0.90			0.75
SOUTHBOUND	0.87				0.73	
EASTBOUND	0.78				0.97	
WESTBOUND	0.82				0.76	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	4.7%	14.3%	3.8%					2.0%	0.0%	0.0%
SOUTHBOUND	16.7%	3.2%	2.6%	3.6%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	10.0%	5.0%	0.0%	3.8%					0.0%	3.1%	0.0%	2.1%
WESTBOUND	4.3%	3.4%	0.0%	3.6%					0.0%	1.6%	0.0%	1.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	20	85	105	45	75	120	225
7:00 AM	TO	8:00 AM	80	139	219	78	112	190	409
8:00 AM	TO	9:00 AM	50	107	157	76	70	146	303
3:00 PM	TO	4:00 PM	70	43	113	63	30	93	206
4:00 PM	TO	5:00 PM	149	84	233	138	67	205	438
5:00 PM	TO	6:00 PM	192	88	280	140	91	231	511
6:00 PM	TO	7:00 PM	73	33	106	64	37	101	207
TOTAL VOLUME			634	579	1213	604		1086	2299
PERCENTAGE			27.6%	25.2%	52.8%	26.3%		47.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Promise Road & 191st Street #144  
4/26/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	14	2	16	0	0	0	18	2	20
7:00 AM - 8:00 AM	30	0	30	41	2	43	6	1	7	77	3	80
8:00 AM - 9:00 AM	10	1	11	32	5	37	2	0	2	44	6	50
PM TIME PERIOD												
3:00 PM - 4:00 PM	8	0	8	38	5	43	17	2	19	63	7	70
4:00 PM - 5:00 PM	27	1	28	92	6	98	23	0	23	142	7	149
5:00 PM - 6:00 PM	48	1	49	112	0	112	31	0	31	191	1	192
6:00 PM - 7:00 PM	21	0	21	43	0	43	9	0	9	73	0	73
PASSENGER	148 98.0%			372 94.9%			88 96.7%			608 95.9%		
TRUCK	3 2.0%			20 5.1%			3 3.3%			26 4.1%		
BOTH	151 23.8%			392 61.8%			91 14.4%			634 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	51	2	53	31	0	31	83	2	85
7:00 AM - 8:00 AM	5	1	6	91	3	94	38	1	39	134	5	139
8:00 AM - 9:00 AM	4	2	6	68	5	73	27	1	28	99	8	107
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	34	4	38	4	1	5	38	5	43
4:00 PM - 5:00 PM	4	0	4	54	3	57	23	0	23	81	3	84
5:00 PM - 6:00 PM	2	0	2	65	0	65	21	0	21	88	0	88
6:00 PM - 7:00 PM	2	0	2	22	0	22	9	0	9	33	0	33
PASSENGER	18 85.7%			385 95.8%			153 98.1%			556 96.0%		
TRUCK	3 14.3%			17 4.2%			3 1.9%			23 4.0%		
BOTH	21 3.6%			402 69.4%			156 26.9%			579 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	15	2	17	26	1	27	42	3	45
7:00 AM - 8:00 AM	9	1	10	38	2	40	28	0	28	75	3	78
8:00 AM - 9:00 AM	9	3	12	39	3	42	22	0	22	70	6	76
PM TIME PERIOD												
3:00 PM - 4:00 PM	14	2	16	33	3	36	11	0	11	58	5	63
4:00 PM - 5:00 PM	25	0	25	77	4	81	30	2	32	132	6	138
5:00 PM - 6:00 PM	29	0	29	95	3	98	13	0	13	137	3	140
6:00 PM - 7:00 PM	17	0	17	39	1	40	7	0	7	63	1	64
PASSENGER	104 94.5%			336 94.9%			137 97.9%			577 95.5%		
TRUCK	6 5.5%			18 5.1%			3 2.1%			27 4.5%		
BOTH	110 18.2%			354 58.6%			140 23.2%			604 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	22	1	23	50	0	50	1	1	2	73	2	75
7:00 AM - 8:00 AM	22	1	23	85	3	88	1	0	1	108	4	112
8:00 AM - 9:00 AM	10	0	10	55	3	58	2	0	2	67	3	70
PM TIME PERIOD												
3:00 PM - 4:00 PM	4	1	5	22	1	23	1	1	2	27	3	30
4:00 PM - 5:00 PM	10	1	11	48	2	50	5	1	6	63	4	67
5:00 PM - 6:00 PM	23	0	23	63	1	64	4	0	4	90	1	91
6:00 PM - 7:00 PM	14	0	14	22	0	22	1	0	1	37	0	37
PASSENGER	105 96.3%			345 97.2%			15 83.3%			465 96.5%		
TRUCK	4 3.7%			10 2.8%			3 16.7%			17 3.5%		
BOTH	109 22.6%			355 73.7%			18 3.7%			482 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Mallery Road & 191st Street (#145)  
 6/13/2013  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	3		0	3					3		2
EASTBOUND		26	1	27						75	2	77
WESTBOUND	0	41		41					2	40		42

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.38	0.85			0.42
EASTBOUND	0.61				0.88	
WESTBOUND	0.79				0.70	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%		0.0%	0.0%					0.0%		0.0%
EASTBOUND		0.0%	0.0%	0.0%						0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%		0.0%					0.0%	0.0%		0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	3		3	16	27	43	46
7:00 AM	TO	8:00 AM	3		3	27	41	68	71
8:00 AM	TO	9:00 AM	1		1	31	25	56	57
3:00 PM	TO	4:00 PM	1		1	30	15	45	46
4:00 PM	TO	5:00 PM	5		5	66	39	105	110
5:00 PM	TO	6:00 PM	4		4	69	46	115	119
6:00 PM	TO	7:00 PM	6		6	30	25	55	61
TOTAL VOLUME			23		23	269		487	510
PERCENTAGE			4.5%		4.5%	52.7%		95.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Mallery Road & 191st Street (#145)  
6/13/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	3	0	3				0	0	0	3	0	3
7:00 AM - 8:00 AM	3	0	3				0	0	0	3	0	3
8:00 AM - 9:00 AM	1	0	1				0	0	0	1	0	1
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0				1	0	1	1	0	1
4:00 PM - 5:00 PM	5	0	5				0	0	0	5	0	5
5:00 PM - 6:00 PM	2	0	2				2	0	2	4	0	4
6:00 PM - 7:00 PM	5	0	5				1	0	1	6	0	6
PASSENGER	19 100.0%						4 100.0%			23 100.0%		
TRUCK	0 0.0%						0 0.0%			0 0.0%		
BOTH	19 82.6%						4 17.4%			23 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				15	0	15	0	1	1	15	1	16
7:00 AM - 8:00 AM				26	0	26	1	0	1	27	0	27
8:00 AM - 9:00 AM				29	0	29	2	0	2	31	0	31
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				29	0	29	1	0	1	30	0	30
4:00 PM - 5:00 PM				63	0	63	3	0	3	66	0	66
5:00 PM - 6:00 PM				65	0	65	4	0	4	69	0	69
6:00 PM - 7:00 PM				29	0	29	1	0	1	30	0	30
PASSENGER				256 100.0%			12 92.3%			268 99.6%		
TRUCK				0 0.0%			1 7.7%			1 0.4%		
BOTH				256 95.2%			13 4.8%			269 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	26	1	27				26	1	27
7:00 AM - 8:00 AM	0	0	0	41	0	41				41	0	41
8:00 AM - 9:00 AM	0	0	0	25	0	25				25	0	25
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	15	0	15				15	0	15
4:00 PM - 5:00 PM	4	0	4	34	1	35				38	1	39
5:00 PM - 6:00 PM	3	0	3	43	0	43				46	0	46
6:00 PM - 7:00 PM	0	0	0	25	0	25				25	0	25
PASSENGER	7 100.0%			209 99.1%						216 99.1%		
TRUCK	0 0.0%			2 0.9%						2 0.9%		
BOTH	7 3.2%			211 96.8%						218 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 191st St & Summer Rd (#146)  
 11/15/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	0		6	6					1		8	9
EASTBOUND	1	36		37					13	70		83
WESTBOUND		34	0	34						40	3	43

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
SOUTHBOUND	0.50				0.56	
EASTBOUND	0.77	0.92			0.74	0.89
WESTBOUND	0.71				0.72	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	0.0%		0.0%	0.0%					0.0%		12.5%	11.1%
EASTBOUND	0.0%	2.8%		2.7%					0.0%	0.0%		0.0%
WESTBOUND		5.9%	0.0%	5.9%						0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		5	5	17	29	46	51
7:00 AM	TO	8:00 AM		5	5	32	32	64	69
8:00 AM	TO	9:00 AM		5	5	33	25	58	63
3:00 PM	TO	4:00 PM		3	3	39	22	61	64
4:00 PM	TO	5:00 PM		13	13	61	50	111	124
5:00 PM	TO	6:00 PM		5	5	72	31	103	108
6:00 PM	TO	7:00 PM		2	2	30	17	47	49
TOTAL VOLUME				38	38	284	206	490	528
PERCENTAGE				7.2%	7.2%	53.8%	39.0%	92.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
191st St & Summer Rd (#146)  
11/15/2012

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0				5	0	5	5	0	5
7:00 AM - 8:00 AM	0	0	0				5	0	5	5	0	5
8:00 AM - 9:00 AM	1	0	1				4	0	4	5	0	5
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	1	1				2	0	2	2	1	3
4:00 PM - 5:00 PM	0	1	1				10	2	12	10	3	13
5:00 PM - 6:00 PM	1	0	1				4	0	4	5	0	5
6:00 PM - 7:00 PM	0	0	0				2	0	2	2	0	2
PASSENGER	2 50.0%						32 94.1%			34 89.5%		
TRUCK	2 50.0%						2 5.9%			4 10.5%		
BOTH	4 10.5%						34 89.5%			38 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1	16	0	16				16	1	17
7:00 AM - 8:00 AM	1	1	2	30	0	30				31	1	32
8:00 AM - 9:00 AM	4	1	5	26	2	28				30	3	33
PM TIME PERIOD												
3:00 PM - 4:00 PM	9	0	9	26	4	30				35	4	39
4:00 PM - 5:00 PM	7	0	7	51	3	54				58	3	61
5:00 PM - 6:00 PM	11	0	11	61	0	61				72	0	72
6:00 PM - 7:00 PM	4	0	4	24	2	26				28	2	30
PASSENGER	36 92.3%			234 95.5%						270 95.1%		
TRUCK	3 7.7%			11 4.5%						14 4.9%		
BOTH	39 13.7%			245 86.3%						284 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				28	1	29	0	0	0	28	1	29
7:00 AM - 8:00 AM				30	2	32	0	0	0	30	2	32
8:00 AM - 9:00 AM				23	2	25	0	0	0	23	2	25
PM TIME PERIOD												
3:00 PM - 4:00 PM				19	1	20	1	1	2	20	2	22
4:00 PM - 5:00 PM				49	0	49	1	0	1	50	0	50
5:00 PM - 6:00 PM				26	1	27	4	0	4	30	1	31
6:00 PM - 7:00 PM				16	0	16	1	0	1	17	0	17
PASSENGER				191 96.5%			7 87.5%			198 96.1%		
TRUCK				7 3.5%			1 12.5%			8 3.9%		
BOTH				198 96.1%			8 3.9%			206 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 191st St & Deshane Ave-Victory Chapel Rd (#147)  
 11/15/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	1	2	0	3					3	3	1	7
SOUTHBOUND	0	1	4	5					0	4	1	5
EASTBOUND	0	38	2	40					43	39	3	85
WESTBOUND	2	39	5	46					1	42	0	43

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.75	0.81			0.88	0.57
SOUTHBOUND	0.63				0.42	
EASTBOUND	0.77				0.52	
WESTBOUND	0.82				0.72	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					33.3%	0.0%	0.0%	14.3%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	25.0%	0.0%	20.0%
EASTBOUND	0.0%	2.6%	0.0%	2.5%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	5.1%	0.0%	4.3%					100.0%	0.0%	0.0%	2.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0	8	8	17	20	37	45
7:00 AM	TO	8:00 AM	2	8	10	39	41	80	90
8:00 AM	TO	9:00 AM	5	8	13	30	29	59	72
3:00 PM	TO	4:00 PM	4	4	8	30	21	51	59
4:00 PM	TO	5:00 PM	6	5	11	54	29	83	94
5:00 PM	TO	6:00 PM	8	5	13	76	47	123	136
6:00 PM	TO	7:00 PM	3	5	8	19	17	36	44
TOTAL VOLUME			28	43	71	265	204	469	540
PERCENTAGE			5.2%	8.0%	13.1%	49.1%	37.8%	86.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
191st St & Deshane Ave-Victory Chapel Rd (#147)  
11/15/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	1	0	1	1	0	1	0	0	0	2	0	2
8:00 AM - 9:00 AM	3	0	3	2	0	2	0	0	0	5	0	5
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	0	0	0	0	1	1	3	1	4
4:00 PM - 5:00 PM	1	0	1	2	1	3	2	0	2	5	1	6
5:00 PM - 6:00 PM	2	1	3	5	0	5	0	0	0	7	1	8
6:00 PM - 7:00 PM	3	0	3	0	0	0	0	0	0	3	0	3
PASSENGER	13 92.9%			10 90.9%			2 66.7%			25 89.3%		
TRUCK	1 7.1%			1 9.1%			1 33.3%			3 10.7%		
BOTH	14 50.0%			11 39.3%			3 10.7%			28 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	3	0	3	4	0	4	8	0	8
7:00 AM - 8:00 AM	0	0	0	3	0	3	5	0	5	8	0	8
8:00 AM - 9:00 AM	2	0	2	1	0	1	4	1	5	7	1	8
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	1	0	1	2	0	2	4	0	4
4:00 PM - 5:00 PM	0	0	0	2	0	2	3	0	3	5	0	5
5:00 PM - 6:00 PM	0	0	0	2	1	3	2	0	2	4	1	5
6:00 PM - 7:00 PM	2	0	2	0	0	0	3	0	3	5	0	5
PASSENGER	6 100.0%			12 92.3%			23 95.8%			41 95.3%		
TRUCK	0 0.0%			1 7.7%			1 4.2%			2 4.7%		
BOTH	6 14.0%			13 30.2%			24 55.8%			43 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1	15	0	15	1	0	1	16	1	17
7:00 AM - 8:00 AM	0	0	0	38	0	38	1	0	1	39	0	39
8:00 AM - 9:00 AM	0	0	0	23	4	27	3	0	3	26	4	30
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	27	1	28	0	0	0	29	1	30
4:00 PM - 5:00 PM	6	0	6	44	0	44	3	1	4	53	1	54
5:00 PM - 6:00 PM	43	0	43	31	1	32	1	0	1	75	1	76
6:00 PM - 7:00 PM	2	0	2	16	0	16	1	0	1	19	0	19
PASSENGER	53 98.1%			194 97.0%			10 90.9%			257 97.0%		
TRUCK	1 1.9%			6 3.0%			1 9.1%			8 3.0%		
BOTH	54 20.4%			200 75.5%			11 4.2%			265 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1	18	0	18	1	0	1	19	1	20
7:00 AM - 8:00 AM	2	0	2	35	2	37	2	0	2	39	2	41
8:00 AM - 9:00 AM	1	0	1	23	1	24	4	0	4	28	1	29
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	15	2	17	4	0	4	19	2	21
4:00 PM - 5:00 PM	0	0	0	28	0	28	1	0	1	29	0	29
5:00 PM - 6:00 PM	0	1	1	46	0	46	0	0	0	46	1	47
6:00 PM - 7:00 PM	1	0	1	14	1	15	1	0	1	16	1	17
PASSENGER	4 66.7%			179 96.8%			13 100.0%			196 96.1%		
TRUCK	2 33.3%			6 3.2%			0 0.0%			8 3.9%		
BOTH	6 2.9%			185 90.7%			13 6.4%			204 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 191st St & Pilgrim Road (#149)  
 10/30/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	9		4	13					1		0
EASTBOUND	3	29	1	33					1	43	1	45
WESTBOUND	3	31	1	35					1	45	1	47

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	#DIV/0!	0.94			#DIV/0!
EASTBOUND	0.92				0.66	
WESTBOUND	0.88				0.84	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND				38.5%							
EASTBOUND	0.0%	0.0%		0.0%					0.0%	0.0%		0.0%
WESTBOUND		0.0%	0.0%	0.0%						0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0		8	22	19	41	49
7:00 AM	TO	8:00 AM	0		7	29	30	59	66
8:00 AM	TO	9:00 AM	0		2	27	28	55	57
3:00 PM	TO	4:00 PM	0		1	17	17	34	35
4:00 PM	TO	5:00 PM	0		3	39	36	75	78
5:00 PM	TO	6:00 PM	0		1	41	42	83	84
6:00 PM	TO	7:00 PM	0		0	14	20	34	34
TOTAL VOLUME			0		22	189	192	381	403
PERCENTAGE			0.0%		5.5%	46.9%	47.6%	94.5%	100.0%

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 191st St & Pilgrim Road (#149)  
 10/30/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0				0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0				0	0	0	0	0	0
8:00 AM - 9:00 AM	0	0	0				0	0	0	0	0	0
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0				0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0				0	0	0	0	0	0
5:00 PM - 6:00 PM	0	0	0				0	0	0	0	0	0
6:00 PM - 7:00 PM	0	0	0				0	0	0	0	0	0
PASSENGER	0 #DIV/0!						0 #DIV/0!			0 #DIV/0!		
TRUCK	0 #DIV/0!						0 #DIV/0!			0 #DIV/0!		
BOTH	0 #DIV/0!						0 #DIV/0!			0 #DIV/0!		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				21	0	21	0	0	0	22	0	22
7:00 AM - 8:00 AM				27	0	27	0	0	0	29	0	29
8:00 AM - 9:00 AM				24	3	27	0	0	0	24	3	27
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				15	1	16	0	0	0	15	2	17
4:00 PM - 5:00 PM				38	0	38	0	0	0	39	0	39
5:00 PM - 6:00 PM				39	0	39	0	0	0	41	0	41
6:00 PM - 7:00 PM				14	0	14	0	0	0	14	0	14
PASSENGER				178 97.8%			0 #DIV/0!			184 97.4%		
TRUCK				4 2.2%			0 #DIV/0!			5 2.6%		
BOTH				182 96.3%			0 0.0%			189 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	18	1	19				18	1	19
7:00 AM - 8:00 AM	0	0	0	29	0	29				30	0	30
8:00 AM - 9:00 AM	0	0	0	23	1	24				27	1	28
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	13	2	15				14	3	17
4:00 PM - 5:00 PM	0	0	0	32	1	33				34	2	36
5:00 PM - 6:00 PM	0	0	0	42	0	42				42	0	42
6:00 PM - 7:00 PM	0	0	0	20	0	20				20	0	20
PASSENGER	0 #DIV/0!			177 97.3%						185 96.4%		
TRUCK	0 #DIV/0!			5 2.7%						7 3.6%		
BOTH	0 0.0%			182 94.8%						192 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 191st & Durbin Rd (#150)  
 10/31/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1		2	3					8		3
EASTBOUND		29	6	35						42	4	46
WESTBOUND	4	31		35					0	37		37

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.25	0.87			0.92
EASTBOUND	0.88				0.68	
WESTBOUND	0.73				0.66	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%		0.0%	0.0%					0.0%		0.0%
EASTBOUND		0.0%	16.7%	2.9%						0.0%	0.0%	0.0%
WESTBOUND	25.0%	0.0%		2.9%					0.0%	0.0%		0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0		0	23	23	46	46
7:00 AM	TO	8:00 AM	5		5	33	30	63	68
8:00 AM	TO	9:00 AM	12		12	29	23	52	64
3:00 PM	TO	4:00 PM	12		12	17	10	27	39
4:00 PM	TO	5:00 PM	10		10	41	29	70	80
5:00 PM	TO	6:00 PM	10		10	41	39	80	90
6:00 PM	TO	7:00 PM	1		1	13	19	32	33
TOTAL VOLUME			50		50	197	173	370	420
PERCENTAGE			11.9%		11.9%	46.9%	41.2%	88.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
191st & Durbin Rd (#150)  
10/31/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0				0	0	0	0	0	0
7:00 AM - 8:00 AM	2	0	2				3	0	3	5	0	5
8:00 AM - 9:00 AM	8	1	9				2	1	3	10	2	12
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	5	3	8				2	2	4	7	5	12
4:00 PM - 5:00 PM	7	1	8				2	0	2	9	1	10
5:00 PM - 6:00 PM	7	0	7				3	0	3	10	0	10
6:00 PM - 7:00 PM	0	0	0				1	0	1	1	0	1
PASSENGER	29 85.3%						13 81.3%			42 84.0%		
TRUCK	5 14.7%						3 18.8%			8 16.0%		
BOTH	34 68.0%						16 32.0%			50 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				17	0	17	5	1	6	22	1	23
7:00 AM - 8:00 AM				29	0	29	4	0	4	33	0	33
8:00 AM - 9:00 AM				19	0	19	7	3	10	26	3	29
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				11	0	11	4	2	6	15	2	17
4:00 PM - 5:00 PM				37	0	37	4	0	4	41	0	41
5:00 PM - 6:00 PM				36	0	36	5	0	5	41	0	41
6:00 PM - 7:00 PM				12	0	12	1	0	1	13	0	13
PASSENGER				161 100.0%			30 83.3%			191 97.0%		
TRUCK				0 0.0%			6 16.7%			6 3.0%		
BOTH				161 81.7%			36 18.3%			197 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	3	1	4	18	1	19				21	2	23
7:00 AM - 8:00 AM	2	0	2	28	0	28				30	0	30
8:00 AM - 9:00 AM	2	1	3	20	0	20				22	1	23
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	10	0	10				10	0	10
4:00 PM - 5:00 PM	1	0	1	27	1	28				28	1	29
5:00 PM - 6:00 PM	1	0	1	38	0	38				39	0	39
6:00 PM - 7:00 PM	1	0	1	18	0	18				19	0	19
PASSENGER	10 83.3%			159 98.8%						169 97.7%		
TRUCK	2 16.7%			2 1.2%						4 2.3%		
BOTH	12 6.9%			161 93.1%						173 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
191st St & Prairie Baptist Rd (#151)  
10/30/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0	7	0	7					1	25	1
SOUTHBOUND	2	28	4	34					6	16	4	26
EASTBOUND	2	32	2	36					4	35	2	41
WESTBOUND	0	18	2	20					2	29	0	31

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.58	0.90			0.75
SOUTHBOUND	0.85				0.72	
EASTBOUND	0.64				0.79	
WESTBOUND	0.56				0.86	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	42.9%	0.0%	42.9%					0.0%	4.0%	0.0%
SOUTHBOUND	0.0%	0.0%	25.0%	2.9%					0.0%	12.5%	0.0%	7.7%
EASTBOUND	0.0%	3.1%	0.0%	2.8%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	6	28	34	21	19	40	74
7:00 AM	TO	8:00 AM	7	33	40	27	28	55	95
8:00 AM	TO	9:00 AM	10	26	36	27	19	46	82
3:00 PM	TO	4:00 PM	10	11	21	15	14	29	50
4:00 PM	TO	5:00 PM	20	17	37	36	21	57	94
5:00 PM	TO	6:00 PM	21	20	41	41	35	76	117
6:00 PM	TO	7:00 PM	14	12	26	13	20	33	59
TOTAL VOLUME			88	147	235	180	156	336	571
PERCENTAGE			15.4%	25.7%	41.2%	31.5%	27.3%	58.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
191st St & Prairie Baptist Rd (#151)  
10/30/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	3	1	4	0	1	1	4	2	6
7:00 AM - 8:00 AM	0	0	0	5	2	7	0	0	0	5	2	7
8:00 AM - 9:00 AM	1	0	1	5	3	8	1	0	1	7	3	10
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	10	0	10	0	0	0	10	0	10
4:00 PM - 5:00 PM	1	0	1	16	1	17	1	1	2	18	2	20
5:00 PM - 6:00 PM	1	0	1	19	0	19	1	0	1	21	0	21
6:00 PM - 7:00 PM	0	0	0	13	1	14	0	0	0	13	1	14
PASSENGER	4 100.0%			71 89.9%			3 60.0%			78 88.6%		
TRUCK	0 0.0%			8 10.1%			2 40.0%			10 11.4%		
BOTH	4 4.5%			79 89.8%			5 5.7%			88 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	1	2	20	1	21	4	1	5	25	3	28
7:00 AM - 8:00 AM	1	0	1	29	0	29	3	0	3	33	0	33
8:00 AM - 9:00 AM	3	1	4	15	5	20	1	1	2	19	7	26
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	10	1	11	0	0	0	10	1	11
4:00 PM - 5:00 PM	2	0	2	12	0	12	3	0	3	17	0	17
5:00 PM - 6:00 PM	3	0	3	12	1	13	4	0	4	19	1	20
6:00 PM - 7:00 PM	3	0	3	8	1	9	0	0	0	11	1	12
PASSENGER	13 86.7%			106 92.2%			15 88.2%			134 91.2%		
TRUCK	2 13.3%			9 7.8%			2 11.8%			13 8.8%		
BOTH	15 10.2%			115 78.2%			17 11.6%			147 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	20	0	20	0	0	0	21	0	21
7:00 AM - 8:00 AM	0	0	0	25	0	25	2	0	2	27	0	27
8:00 AM - 9:00 AM	4	1	5	21	1	22	0	0	0	25	2	27
PM TIME PERIOD												
3:00 PM - 4:00 PM	4	1	5	9	1	10	0	0	0	13	2	15
4:00 PM - 5:00 PM	6	0	6	26	0	26	4	0	4	36	0	36
5:00 PM - 6:00 PM	3	0	3	36	0	36	2	0	2	41	0	41
6:00 PM - 7:00 PM	2	0	2	11	0	11	0	0	0	13	0	13
PASSENGER	20 90.9%			148 98.7%			8 100.0%			176 97.8%		
TRUCK	2 9.1%			2 1.3%			0 0.0%			4 2.2%		
BOTH	22 12.2%			150 83.3%			8 4.4%			180 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	14	2	16	2	0	2	17	2	19
7:00 AM - 8:00 AM	1	0	1	25	0	25	2	0	2	28	0	28
8:00 AM - 9:00 AM	2	0	2	13	2	15	2	0	2	17	2	19
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	11	1	12	2	0	2	13	1	14
4:00 PM - 5:00 PM	0	0	0	21	0	21	0	0	0	21	0	21
5:00 PM - 6:00 PM	1	0	1	33	0	33	1	0	1	35	0	35
6:00 PM - 7:00 PM	1	0	1	19	0	19	0	0	0	20	0	20
PASSENGER	6 100.0%			136 96.5%			9 100.0%			151 96.8%		
TRUCK	0 0.0%			5 3.5%			0 0.0%			5 3.2%		
BOTH	6 3.8%			141 90.4%			9 5.8%			156 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 Cyntheanne Rd. & 191st St. (#152)  
 7/19/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	2	12	0	14					3	10	5	18
SOUTHBOUND	1	5	1	7					1	20	1	22
EASTBOUND	1	20	0	21					3	30	5	38
WESTBOUND	1	23	2	26					1	44	0	45

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.58					0.90	
SOUTHBOUND	0.58	0.68				0.61	0.88
EASTBOUND	0.53					0.68	
WESTBOUND	0.65					0.70	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	20.0%	0.0%	11.1%
SOUTHBOUND	0.0%	20.0%	0.0%	14.3%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY										
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL	
6:00 AM	TO	7:00 AM	3	5	8	7	21	28	36	
7:00 AM	TO	8:00 AM	14	5	19	25	23	48	67	
8:00 AM	TO	9:00 AM	3	8	11	21	20	41	52	
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0	
3:00 PM	TO	4:00 PM	7	6	13	22	10	32	45	
4:00 PM	TO	5:00 PM	19	11	30	24	37	61	91	
5:00 PM	TO	6:00 PM	16	19	35	35	33	68	103	
6:00 PM	TO	7:00 PM	10	7	17	21	8	29	46	
TOTAL VOLUME			72	61	133	155	152	307	440	
PERCENTAGE			16.4%	13.9%	30.2%	35.2%	34.5%	69.8%	100.0%	

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd. & 191st St. (#152)  
7/19/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	2	0	2	0	0	0	3	0	3
7:00 AM - 8:00 AM	3	0	3	11	0	11	0	0	0	14	0	14
8:00 AM - 9:00 AM	0	0	0	3	0	3	0	0	0	3	0	3
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	6	0	6	0	0	0	7	0	7
4:00 PM - 5:00 PM	4	0	4	10	1	11	4	0	4	18	1	19
5:00 PM - 6:00 PM	4	0	4	6	1	7	5	0	5	15	1	16
6:00 PM - 7:00 PM	1	0	1	6	0	6	3	0	3	10	0	10
PASSENGER	14 100.0%			44 95.7%			12 100.0%			70 97.2%		
TRUCK	0 0.0%			2 4.3%			0 0.0%			2 2.8%		
BOTH	14 19.4%			46 63.9%			12 16.7%			72 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	5	0	5	0	0	0	5	0	5
7:00 AM - 8:00 AM	1	0	1	2	1	3	1	0	1	4	1	5
8:00 AM - 9:00 AM	0	0	0	6	1	7	0	1	1	6	2	8
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	4	0	4	0	0	0	6	0	6
4:00 PM - 5:00 PM	2	0	2	9	0	9	0	0	0	11	0	11
5:00 PM - 6:00 PM	0	0	0	18	0	18	1	0	1	19	0	19
6:00 PM - 7:00 PM	2	0	2	5	0	5	0	0	0	7	0	7
PASSENGER	7 100.0%			49 96.1%			2 66.7%			58 95.1%		
TRUCK	0 0.0%			2 3.9%			1 33.3%			3 4.9%		
BOTH	7 11.5%			51 83.6%			3 4.9%			61 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	5	0	5	1	0	1	7	0	7
7:00 AM - 8:00 AM	1	0	1	23	0	23	1	0	1	25	0	25
8:00 AM - 9:00 AM	0	0	0	18	1	19	2	0	2	20	1	21
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	17	0	17	2	0	2	22	0	22
4:00 PM - 5:00 PM	1	0	1	20	0	20	3	0	3	24	0	24
5:00 PM - 6:00 PM	3	0	3	27	0	27	5	0	5	35	0	35
6:00 PM - 7:00 PM	1	0	1	18	0	18	2	0	2	21	0	21
PASSENGER	10 100.0%			128 99.2%			16 100.0%			154 99.4%		
TRUCK	0 0.0%			1 0.8%			0 0.0%			1 0.6%		
BOTH	10 6.5%			129 83.2%			16 10.3%			155 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	16	0	16	1	0	1	21	0	21
7:00 AM - 8:00 AM	1	0	1	21	0	21	1	0	1	23	0	23
8:00 AM - 9:00 AM	0	0	0	20	0	20	0	0	0	20	0	20
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	7	0	7	1	0	1	10	0	10
4:00 PM - 5:00 PM	2	0	2	35	0	35	0	0	0	37	0	37
5:00 PM - 6:00 PM	0	0	0	32	0	32	1	0	1	33	0	33
6:00 PM - 7:00 PM	0	0	0	8	0	8	0	0	0	8	0	8
PASSENGER	9 100.0%			139 100.0%			4 100.0%			152 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	9 5.9%			139 91.4%			4 2.6%			152 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 38 & Moontown Rd/Hinkle Rd (#153)  
6/13/2012  
AJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	16	13	9	38					8	59	25
SOUTHBOUND	15	51	5	71					12	20	1	33
EASTBOUND	3	94	11	108					11	149	8	168
WESTBOUND	15	166	4	185					14	131	22	167

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.63					0.82
SOUTHBOUND	0.81	0.90				0.83	0.81
EASTBOUND	0.60					0.78	
WESTBOUND	0.89					0.77	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	5.0%	0.0%	3.0%
EASTBOUND	33.3%	1.1%	0.0%	1.9%					0.0%	0.7%	0.0%	0.6%
WESTBOUND	6.7%	2.4%	0.0%	2.7%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	15	39	54	75	142	217	271
7:00 AM	TO	8:00 AM	38	80	118	110	163	273	391
8:00 AM	TO	9:00 AM	24	44	68	64	113	177	245
3:00 PM	TO	4:00 PM	32	16	48	34	61	95	143
4:00 PM	TO	5:00 PM	65	33	98	106	116	222	320
5:00 PM	TO	6:00 PM	92	33	125	168	167	335	460
6:00 PM	TO	7:00 PM	39	15	54	58	64	122	176
TOTAL VOLUME			305	260	565	615	826	1441	2006
PERCENTAGE			15.2%	13.0%	28.2%	30.7%	41.2%	71.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 38 & Moontown Rd/Hinkle Rd (#153)  
6/13/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	5	0	5	4	0	4	15	0	15
7:00 AM - 8:00 AM	16	0	16	12	0	12	10	0	10	38	0	38
8:00 AM - 9:00 AM	4	0	4	12	0	12	7	1	8	23	1	24
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	20	0	20	11	0	11	32	0	32
4:00 PM - 5:00 PM	4	0	4	44	0	44	17	0	17	65	0	65
5:00 PM - 6:00 PM	8	0	8	59	0	59	25	0	25	92	0	92
6:00 PM - 7:00 PM	2	0	2	31	0	31	6	0	6	39	0	39
PASSENGER	41 100.0%			183 100.0%			80 98.8%			304 99.7%		
TRUCK	0 0.0%			0 0.0%			1 1.2%			1 0.3%		
BOTH	41 13.4%			183 60.0%			81 26.6%			305 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	7	0	7	29	0	29	2	1	3	38	1	39
7:00 AM - 8:00 AM	16	0	16	58	0	58	6	0	6	80	0	80
8:00 AM - 9:00 AM	9	0	9	30	0	30	5	0	5	44	0	44
PM TIME PERIOD												
3:00 PM - 4:00 PM	7	0	7	7	1	8	1	0	1	15	1	16
4:00 PM - 5:00 PM	14	0	14	16	0	16	2	1	3	32	1	33
5:00 PM - 6:00 PM	12	0	12	19	1	20	1	0	1	32	1	33
6:00 PM - 7:00 PM	9	0	9	6	0	6	0	0	0	15	0	15
PASSENGER	74 100.0%			165 98.8%			17 89.5%			256 98.5%		
TRUCK	0 0.0%			2 1.2%			2 10.5%			4 1.5%		
BOTH	74 28.5%			167 64.2%			19 7.3%			260 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	69	2	71	3	0	3	73	2	75
7:00 AM - 8:00 AM	1	2	3	96	0	96	11	0	11	108	2	110
8:00 AM - 9:00 AM	1	0	1	59	2	61	2	0	2	62	2	64
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	27	0	27	5	0	5	34	0	34
4:00 PM - 5:00 PM	5	0	5	91	1	92	9	0	9	105	1	106
5:00 PM - 6:00 PM	11	0	11	148	1	149	8	0	8	167	1	168
6:00 PM - 7:00 PM	1	0	1	56	1	57	0	0	0	57	1	58
PASSENGER	22 91.7%			546 98.7%			38 100.0%			606 98.5%		
TRUCK	2 8.3%			7 1.3%			0 0.0%			9 1.5%		
BOTH	24 3.9%			553 89.9%			38 6.2%			615 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	1	9	130	1	131	2	0	2	140	2	142
7:00 AM - 8:00 AM	16	0	16	137	5	142	5	0	5	158	5	163
8:00 AM - 9:00 AM	11	0	11	93	1	94	8	0	8	112	1	113
PM TIME PERIOD												
3:00 PM - 4:00 PM	10	1	11	38	0	38	12	0	12	60	1	61
4:00 PM - 5:00 PM	6	0	6	96	0	96	13	1	14	115	1	116
5:00 PM - 6:00 PM	14	0	14	131	0	131	22	0	22	167	0	167
6:00 PM - 7:00 PM	6	0	6	50	0	50	8	0	8	64	0	64
PASSENGER	71 97.3%			675 99.0%			70 98.6%			816 98.8%		
TRUCK	2 2.7%			7 1.0%			1 1.4%			10 1.2%		
BOTH	73 8.8%			682 82.6%			71 8.6%			826 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 38 & Little Chicago Road (#154)  
5/13/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	66	67	67	200					68	475	187
SOUTHBOUND	148	565	68	781					116	234	19	369
EASTBOUND	6	181	59	246					63	252	93	408
WESTBOUND	187	231	18	436					75	171	171	417

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.94					0.95
SOUTHBOUND	0.93	0.94				0.78	0.89
EASTBOUND	0.82					0.92	
WESTBOUND	0.85					0.90	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	3.0%	6.0%	3.0%	4.0%					4.4%	1.1%	0.5%
SOUTHBOUND	3.4%	0.5%	0.0%	1.0%					1.7%	2.6%	5.3%	2.4%
EASTBOUND	0.0%	7.2%	3.4%	6.1%					1.6%	8.3%	5.4%	6.6%
WESTBOUND	0.0%	12.1%	11.1%	6.9%					0.0%	5.8%	0.6%	2.6%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	61	287	348	146	168	314	662
7:00 AM	TO	8:00 AM	200	781	981	246	436	682	1663
8:00 AM	TO	9:00 AM	79	320	399	116	151	267	666
2:00 PM	TO	3:00 PM	252	218	470	182	244	426	896
3:00 PM	TO	4:00 PM	396	258	654	234	368	602	1256
4:00 PM	TO	5:00 PM	582	312	894	351	395	746	1640
5:00 PM	TO	6:00 PM	730	369	1099	408	417	825	1924
TOTAL VOLUME			2300	2545	4845	1683		3862	8707
PERCENTAGE			26.4%	29.2%	55.6%	19.3%		44.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 38 & Little Chicago Road (#154)  
5/13/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	29	1	30	15	2	17	13	1	14	57	4	61
7:00 AM - 8:00 AM	64	2	66	63	4	67	65	2	67	192	8	200
8:00 AM - 9:00 AM	19	1	20	28	3	31	24	4	28	71	8	79
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	17	2	19	169	6	175	55	3	58	241	11	252
3:00 PM - 4:00 PM	34	3	37	247	15	262	93	4	97	374	22	396
4:00 PM - 5:00 PM	62	3	65	397	7	404	106	7	113	565	17	582
5:00 PM - 6:00 PM	65	3	68	470	5	475	186	1	187	721	9	730
PASSENGER	290 95.1%			1389 97.1%			542 96.1%			2221 96.6%		
TRUCK	15 4.9%			42 2.9%			22 3.9%			79 3.4%		
BOTH	305 13.3%			1431 62.2%			564 24.5%			2300 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	41	1	42	220	2	222	23	0	23	284	3	287
7:00 AM - 8:00 AM	143	5	148	562	3	565	68	0	68	773	8	781
8:00 AM - 9:00 AM	57	6	63	235	4	239	17	1	18	309	11	320
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	60	6	66	131	6	137	14	1	15	205	13	218
3:00 PM - 4:00 PM	70	12	82	142	15	157	17	2	19	229	29	258
4:00 PM - 5:00 PM	85	5	90	198	3	201	20	1	21	303	9	312
5:00 PM - 6:00 PM	114	2	116	228	6	234	18	1	19	360	9	369
PASSENGER	570 93.9%			1716 97.8%			177 96.7%			2463 96.8%		
TRUCK	37 6.1%			39 2.2%			6 3.3%			82 3.2%		
BOTH	607 23.9%			1755 69.0%			183 7.2%			2545 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	1	3	87	6	93	49	1	50	138	8	146
7:00 AM - 8:00 AM	6	0	6	168	13	181	57	2	59	231	15	246
8:00 AM - 9:00 AM	11	3	14	68	7	75	26	1	27	105	11	116
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	14	2	16	109	29	138	24	4	28	147	35	182
3:00 PM - 4:00 PM	29	1	30	150	27	177	23	4	27	202	32	234
4:00 PM - 5:00 PM	52	0	52	210	20	230	61	8	69	323	28	351
5:00 PM - 6:00 PM	62	1	63	231	21	252	88	5	93	381	27	408
PASSENGER	176 95.7%			1023 89.3%			328 92.9%			1527 90.7%		
TRUCK	8 4.3%			123 10.7%			25 7.1%			156 9.3%		
BOTH	184 10.9%			1146 68.1%			353 21.0%			1683 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	75	1	76	81	4	85	5	2	7	161	7	168
7:00 AM - 8:00 AM	187	0	187	203	28	231	16	2	18	406	30	436
8:00 AM - 9:00 AM	67	0	67	68	6	74	8	2	10	143	8	151
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	46	6	52	104	13	117	69	6	75	219	25	244
3:00 PM - 4:00 PM	78	3	81	125	28	153	121	13	134	324	44	368
4:00 PM - 5:00 PM	64	1	65	168	27	195	134	1	135	366	29	395
5:00 PM - 6:00 PM	75	0	75	161	10	171	170	1	171	406	11	417
PASSENGER	592 98.2%			910 88.7%			523 95.1%			2025 92.9%		
TRUCK	11 1.8%			116 11.3%			27 4.9%			154 7.1%		
BOTH	603 27.7%			1026 47.1%			550 25.2%			2179 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Mill Creek Rd & SR 38 (#155)  
5/8/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	3		79	82					3		119
EASTBOUND		441	3	444						522	8	530
WESTBOUND	39	422		461					73	425		498

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.71	0.92			0.76
EASTBOUND	0.86				0.95	
WESTBOUND	0.84				0.93	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%		3.8%	3.7%					0.0%		0.0%
EASTBOUND		3.9%	33.3%	4.1%						3.6%	0.0%	3.6%
WESTBOUND	0.0%	5.7%		5.2%					1.4%	3.3%		3.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	19		19	131	173	304	323
7:00 AM	TO	8:00 AM	82		82	444	461	905	987
8:00 AM	TO	9:00 AM	25		25	194	178	372	397
2:00 PM	TO	3:00 PM	32		32	286	333	619	651
3:00 PM	TO	4:00 PM	58		58	386	431	817	875
4:00 PM	TO	5:00 PM	96		96	400	514	914	1010
5:00 PM	TO	6:00 PM	122		122	530	498	1028	1150
TOTAL VOLUME			434		434	2371		4959	5393
PERCENTAGE			8.0%		8.0%	44.0%		92.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Mill Creek Rd & SR 38 (#155)  
5/8/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	0	2				16	1	17	18	1	19
7:00 AM - 8:00 AM	3	0	3				76	3	79	79	3	82
8:00 AM - 9:00 AM	2	0	2				22	1	23	24	1	25
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	1	0	1				30	1	31	31	1	32
3:00 PM - 4:00 PM	6	0	6				50	2	52	56	2	58
4:00 PM - 5:00 PM	6	0	6				86	4	90	92	4	96
5:00 PM - 6:00 PM	3	0	3				119	0	119	122	0	122
PASSENGER	23 100.0%						399 97.1%			422 97.2%		
TRUCK	0 0.0%						12 2.9%			12 2.8%		
BOTH	23 5.3%						411 94.7%			434 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				128	3	131	0	0	0	128	3	131
7:00 AM - 8:00 AM				424	17	441	2	1	3	426	18	444
8:00 AM - 9:00 AM				179	14	193	1	0	1	180	14	194
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				261	23	284	2	0	2	263	23	286
3:00 PM - 4:00 PM				355	26	381	5	0	5	360	26	386
4:00 PM - 5:00 PM				379	17	396	4	0	4	383	17	400
5:00 PM - 6:00 PM				503	19	522	8	0	8	511	19	530
PASSENGER				2229 94.9%			22 95.7%			2251 94.9%		
TRUCK				119 5.1%			1 4.3%			120 5.1%		
BOTH				2348 99.0%			23 1.0%			2371 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	18	1	19	145	9	154				163	10	173
7:00 AM - 8:00 AM	39	0	39	398	24	422				437	24	461
8:00 AM - 9:00 AM	12	1	13	158	7	165				170	8	178
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	32	1	33	275	25	300				307	26	333
3:00 PM - 4:00 PM	38	1	39	356	36	392				394	37	431
4:00 PM - 5:00 PM	62	0	62	440	12	452				502	12	514
5:00 PM - 6:00 PM	72	1	73	411	14	425				483	15	498
PASSENGER	273 98.2%			2183 94.5%						2456 94.9%		
TRUCK	5 1.8%			127 5.5%						132 5.1%		
BOTH	278 10.7%			2310 89.3%						2588 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 38 & Hague Road/Stringtown Road (#156)  
9/10/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	10	80	1	91					71	300	11	382
SOUTHBOUND	170	292	76	538					129	120	66	315
EASTBOUND	71	690	13	774					123	572	16	711
WESTBOUND	4	293	46	343					10	621	141	772

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.76	0.96			0.90	0.96
SOUTHBOUND	0.90				0.87	
EASTBOUND	0.86				0.88	
WESTBOUND	0.70				0.92	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	30.0%	10.0%	0.0%	12.1%					0.0%	1.0%	0.0%	0.8%
SOUTHBOUND	9.4%	2.4%	3.9%	4.8%					3.1%	0.8%	0.0%	1.6%
EASTBOUND	14.1%	2.6%	7.7%	3.7%					2.4%	4.2%	0.0%	3.8%
WESTBOUND	0.0%	9.6%	8.7%	9.3%					0.0%	1.4%	0.0%	1.2%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	28	180	208	286	129	415	623
7:00 AM	TO	8:00 AM	91	538	629	774	343	1117	1746
8:00 AM	TO	9:00 AM	40	216	256	299	162	461	717
2:00 PM	TO	3:00 PM	128	267	395	425	484	909	1304
3:00 PM	TO	4:00 PM	203	243	446	550	613	1163	1609
4:00 PM	TO	5:00 PM	264	273	537	664	719	1383	1920
5:00 PM	TO	6:00 PM	382	315	697	711	772	1483	2180
TOTAL VOLUME			1136	2032	3168	3709	3222	6931	10099
PERCENTAGE			11.2%	20.1%	31.4%	36.7%	31.9%	68.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 38 & Hague Road/Stringtown Road (#156)  
9/10/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	1	6	22	0	22	0	0	0	27	1	28
7:00 AM - 8:00 AM	7	3	10	72	8	80	1	0	1	80	11	91
8:00 AM - 9:00 AM	5	0	5	28	5	33	2	0	2	35	5	40
PM TIME PERIOD												
2:00 PM - 3:00 PM	27	2	29	92	3	95	4	0	4	123	5	128
3:00 PM - 4:00 PM	45	5	50	140	9	149	3	1	4	188	15	203
4:00 PM - 5:00 PM	46	3	49	201	6	207	8	0	8	255	9	264
5:00 PM - 6:00 PM	71	0	71	297	3	300	11	0	11	379	3	382
PASSENGER	206 93.6%			852 96.2%			29 96.7%			1087 95.7%		
TRUCK	14 6.4%			34 3.8%			1 3.3%			49 4.3%		
BOTH	220 19.4%			886 78.0%			30 2.6%			1136 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	58	0	58	98	0	98	24	0	24	180	0	180
7:00 AM - 8:00 AM	154	16	170	285	7	292	73	3	76	512	26	538
8:00 AM - 9:00 AM	65	1	66	97	7	104	36	10	46	198	18	216
PM TIME PERIOD												
2:00 PM - 3:00 PM	118	8	126	88	19	107	27	7	34	233	34	267
3:00 PM - 4:00 PM	97	5	102	78	6	84	53	4	57	228	15	243
4:00 PM - 5:00 PM	108	6	114	95	5	100	52	7	59	255	18	273
5:00 PM - 6:00 PM	125	4	129	119	1	120	66	0	66	310	5	315
PASSENGER	725 94.8%			860 95.0%			331 91.4%			1916 94.3%		
TRUCK	40 5.2%			45 5.0%			31 8.6%			116 5.7%		
BOTH	765 37.6%			905 44.5%			362 17.8%			2032 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	22	0	22	257	3	260	4	0	4	283	3	286
7:00 AM - 8:00 AM	61	10	71	672	18	690	12	1	13	745	29	774
8:00 AM - 9:00 AM	22	0	22	255	12	267	10	0	10	287	12	299
PM TIME PERIOD												
2:00 PM - 3:00 PM	39	3	42	348	14	362	19	2	21	406	19	425
3:00 PM - 4:00 PM	82	5	87	414	28	442	21	0	21	517	33	550
4:00 PM - 5:00 PM	90	3	93	526	26	552	15	4	19	631	33	664
5:00 PM - 6:00 PM	120	3	123	548	24	572	16	0	16	684	27	711
PASSENGER	436 94.8%			3020 96.0%			97 93.3%			3553 95.8%		
TRUCK	24 5.2%			125 4.0%			7 6.7%			156 4.2%		
BOTH	460 12.4%			3145 84.8%			104 2.8%			3709 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	101	15	116	10	1	11	113	16	129
7:00 AM - 8:00 AM	4	0	4	265	28	293	42	4	46	311	32	343
8:00 AM - 9:00 AM	2	0	2	116	17	133	25	2	27	143	19	162
PM TIME PERIOD												
2:00 PM - 3:00 PM	4	0	4	360	27	387	90	3	93	454	30	484
3:00 PM - 4:00 PM	4	0	4	448	24	472	136	1	137	588	25	613
4:00 PM - 5:00 PM	7	0	7	558	5	563	148	1	149	713	6	719
5:00 PM - 6:00 PM	10	0	10	612	9	621	141	0	141	763	9	772
PASSENGER	33 100.0%			2460 95.2%			592 98.0%			3085 95.7%		
TRUCK	0 0.0%			125 4.8%			12 2.0%			137 4.3%		
BOTH	33 1.0%			2585 80.2%			604 18.7%			3222 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
SR 38 & River Avenue (#157)  
9/12/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	17	4	1	22					71	14	30	115
SOUTHBOUND	9	14	11	34					3	7	12	22
EASTBOUND	7	743	94	844					12	574	76	662
WESTBOUND	8	331	2	341					9	772	10	791

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.79	0.93			0.85	0.96
SOUTHBOUND	0.57				0.69	
EASTBOUND	0.96				0.96	
WESTBOUND	0.83				0.91	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	3.3%	0.9%
SOUTHBOUND	0.0%	0.0%	9.1%	2.9%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	3.8%	12.8%	4.7%					0.0%	2.6%	3.9%	2.7%
WESTBOUND	12.5%	7.3%	0.0%	7.3%					0.0%	1.2%	0.0%	1.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	13	7	20	284	113	397	417
7:00 AM	TO	8:00 AM	22	34	56	844	341	1185	1241
8:00 AM	TO	9:00 AM	29	10	39	356	151	507	546
2:00 PM	TO	3:00 PM	83	14	97	498	475	973	1070
3:00 PM	TO	4:00 PM	74	17	91	615	627	1242	1333
4:00 PM	TO	5:00 PM	111	22	133	666	674	1340	1473
5:00 PM	TO	6:00 PM	99	22	121	700	748	1448	1569
TOTAL VOLUME			431	126	557	3963	3129	7092	7649
PERCENTAGE			5.6%	1.6%	7.3%	51.8%	40.9%	92.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 38 & River Avenue (#157)  
9/12/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	12	0	12	1	0	1	0	0	0	13	0	13
7:00 AM - 8:00 AM	17	0	17	4	0	4	1	0	1	22	0	22
8:00 AM - 9:00 AM	15	4	19	2	0	2	8	0	8	25	4	29
PM TIME PERIOD												
2:00 PM - 3:00 PM	49	5	54	12	0	12	17	0	17	78	5	83
3:00 PM - 4:00 PM	43	4	47	10	0	10	17	0	17	70	4	74
4:00 PM - 5:00 PM	79	4	83	12	0	12	16	0	16	107	4	111
5:00 PM - 6:00 PM	63	0	63	10	0	10	24	2	26	97	2	99
PASSENGER	278 94.2%			51 100.0%			83 97.6%			412 95.6%		
TRUCK	17 5.8%			0 0.0%			2 2.4%			19 4.4%		
BOTH	295 68.4%			51 11.8%			85 19.7%			431 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	6	0	6	0	0	0	7	0	7
7:00 AM - 8:00 AM	9	0	9	14	0	14	10	1	11	33	1	34
8:00 AM - 9:00 AM	3	0	3	3	0	3	3	1	4	9	1	10
PM TIME PERIOD												
2:00 PM - 3:00 PM	5	0	5	5	0	5	4	0	4	14	0	14
3:00 PM - 4:00 PM	7	0	7	3	0	3	6	1	7	16	1	17
4:00 PM - 5:00 PM	7	0	7	6	0	6	9	0	9	22	0	22
5:00 PM - 6:00 PM	1	0	1	9	0	9	12	0	12	22	0	22
PASSENGER	33 100.0%			46 100.0%			44 93.6%			123 97.6%		
TRUCK	0 0.0%			0 0.0%			3 6.4%			3 2.4%		
BOTH	33 26.2%			46 36.5%			47 37.3%			126 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	248	3	251	33	0	33	281	3	284
7:00 AM - 8:00 AM	7	0	7	715	28	743	82	12	94	804	40	844
8:00 AM - 9:00 AM	2	0	2	291	16	307	43	4	47	336	20	356
PM TIME PERIOD												
2:00 PM - 3:00 PM	2	0	2	417	21	438	54	4	58	473	25	498
3:00 PM - 4:00 PM	6	0	6	507	27	534	68	7	75	581	34	615
4:00 PM - 5:00 PM	9	0	9	539	30	569	85	3	88	633	33	666
5:00 PM - 6:00 PM	14	0	14	592	13	605	79	2	81	685	15	700
PASSENGER	40 100.0%			3309 96.0%			444 93.3%			3793 95.7%		
TRUCK	0 0.0%			138 4.0%			32 6.7%			170 4.3%		
BOTH	40 1.0%			3447 87.0%			476 12.0%			3963 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	97	13	110	0	0	0	100	13	113
7:00 AM - 8:00 AM	7	1	8	307	24	331	2	0	2	316	25	341
8:00 AM - 9:00 AM	12	0	12	119	17	136	3	0	3	134	17	151
PM TIME PERIOD												
2:00 PM - 3:00 PM	17	0	17	414	34	448	10	0	10	441	34	475
3:00 PM - 4:00 PM	19	0	19	573	19	592	16	0	16	608	19	627
4:00 PM - 5:00 PM	9	0	9	639	14	653	12	0	12	660	14	674
5:00 PM - 6:00 PM	8	0	8	719	7	726	14	0	14	741	7	748
PASSENGER	75 98.7%			2868 95.7%			57 100.0%			3000 95.9%		
TRUCK	1 1.3%			128 4.3%			0 0.0%			129 4.1%		
BOTH	76 2.4%			2996 95.7%			57 1.8%			3129 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
196th & Hague Rd (#158)  
10/4/2012  
ME

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	6	209	40	<b>255</b>					26	399	45
SOUTHBOUND	34	265	7	<b>306</b>					64	217	8	<b>289</b>
EASTBOUND	13	41	35	<b>89</b>					14	17	10	<b>41</b>
WESTBOUND	88	7	55	<b>150</b>					42	28	118	<b>188</b>

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.70					0.90
SOUTHBOUND	0.68	<b>0.78</b>				0.83	<b>0.85</b>
EASTBOUND	0.64					0.60	
WESTBOUND	0.68					0.81	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	16.7%	9.1%	2.5%	8.2%					0.0%	0.0%	2.2%
SOUTHBOUND	26.5%	6.0%	0.0%	8.2%					1.6%	0.0%	0.0%	0.3%
EASTBOUND	7.7%	0.0%	0.0%	1.1%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	3.4%	28.6%	5.5%	5.3%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	84	109	193	30	54	84	277
7:00 AM	TO	8:00 AM	253	310	563	86	151	237	800
8:00 AM	TO	9:00 AM	95	120	215	22	41	63	278
2:00 PM	TO	3:00 PM	232	203	435	29	98	127	562
3:00 PM	TO	4:00 PM	303	231	534	35	82	117	651
4:00 PM	TO	5:00 PM	378	239	617	46	126	172	789
5:00 PM	TO	6:00 PM	470	286	756	37	185	222	978
TOTAL VOLUME			1815	1498	3313	285	737	1022	4335
PERCENTAGE			41.9%	34.6%	76.4%	6.6%	17.0%	23.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
196th & Hague Rd (#158)  
10/4/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	66	0	66	16	1	17	83	1	84
7:00 AM - 8:00 AM	7	2	9	184	20	204	39	1	40	230	23	253
8:00 AM - 9:00 AM	3	0	3	69	3	72	19	1	20	91	4	95
PM TIME PERIOD												
2:00 PM - 3:00 PM	17	0	17	176	6	182	33	0	33	226	6	232
3:00 PM - 4:00 PM	24	0	24	233	7	240	35	4	39	292	11	303
4:00 PM - 5:00 PM	25	0	25	325	3	328	24	1	25	374	4	378
5:00 PM - 6:00 PM	24	0	24	398	0	398	47	1	48	469	1	470
PASSENGER	101 98.1%			1451 97.4%			213 95.9%			1765 97.2%		
TRUCK	2 1.9%			39 2.6%			9 4.1%			50 2.8%		
BOTH	103 5.7%			1490 82.1%			222 12.2%			1815 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	10	0	10	92	3	95	4	0	4	106	3	109
7:00 AM - 8:00 AM	28	9	37	252	17	269	4	0	4	284	26	310
8:00 AM - 9:00 AM	13	0	13	101	3	104	3	0	3	117	3	120
PM TIME PERIOD												
2:00 PM - 3:00 PM	36	5	41	139	16	155	6	1	7	181	22	203
3:00 PM - 4:00 PM	43	2	45	175	4	179	7	0	7	225	6	231
4:00 PM - 5:00 PM	38	1	39	186	4	190	10	0	10	234	5	239
5:00 PM - 6:00 PM	62	1	63	214	0	214	9	0	9	285	1	286
PASSENGER	230 92.7%			1159 96.1%			43 97.7%			1432 95.6%		
TRUCK	18 7.3%			47 3.9%			1 2.3%			66 4.4%		
BOTH	248 16.6%			1206 80.5%			44 2.9%			1498 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	7	0	7	11	0	11	12	0	12	30	0	30
7:00 AM - 8:00 AM	11	1	12	37	0	37	37	0	37	85	1	86
8:00 AM - 9:00 AM	4	0	4	8	0	8	10	0	10	22	0	22
PM TIME PERIOD												
2:00 PM - 3:00 PM	6	0	6	13	0	13	10	0	10	29	0	29
3:00 PM - 4:00 PM	8	0	8	13	1	14	13	0	13	34	1	35
4:00 PM - 5:00 PM	13	0	13	19	0	19	14	0	14	46	0	46
5:00 PM - 6:00 PM	10	0	10	17	0	17	10	0	10	37	0	37
PASSENGER	59 98.3%			118 99.2%			106 100.0%			283 99.3%		
TRUCK	1 1.7%			1 0.8%			0 0.0%			2 0.7%		
BOTH	60 21.1%			119 41.8%			106 37.2%			285 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	33	0	33	3	2	5	14	2	16	50	4	54
7:00 AM - 8:00 AM	92	3	95	5	0	5	48	3	51	145	6	151
8:00 AM - 9:00 AM	29	5	34	1	0	1	6	0	6	36	5	41
PM TIME PERIOD												
2:00 PM - 3:00 PM	26	3	29	15	1	16	21	32	53	62	36	98
3:00 PM - 4:00 PM	31	5	36	19	0	19	26	1	27	76	6	82
4:00 PM - 5:00 PM	46	1	47	26	0	26	52	1	53	124	2	126
5:00 PM - 6:00 PM	38	0	38	24	0	24	123	0	123	185	0	185
PASSENGER	295 94.6%			93 96.9%			290 88.1%			678 92.0%		
TRUCK	17 5.4%			3 3.1%			39 11.9%			59 8.0%		
BOTH	312 42.3%			96 13.0%			329 44.6%			737 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
196th St & James Rd (#159)  
9/13/2012  
AJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	3		11	14					3		9	12
EASTBOUND	5	127		132					6	158		164
WESTBOUND		129	2	131						172	9	181

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
SOUTHBOUND	0.50				0.60	
EASTBOUND	0.61	0.64			0.76	0.87
WESTBOUND	0.66				0.91	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	0.0%		0.0%	0.0%					0.0%		0.0%	0.0%
EASTBOUND	0.0%	5.5%		5.3%					0.0%	0.0%		0.0%
WESTBOUND		6.2%	50.0%	6.9%						2.3%	0.0%	2.2%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		3	3	39	47	86	89
7:00 AM	TO	8:00 AM		12	12	124	130	254	266
8:00 AM	TO	9:00 AM		9	9	36	49	85	94
2:00 PM	TO	3:00 PM		5	5	84	116	200	205
3:00 PM	TO	4:00 PM		16	16	105	120	225	241
4:00 PM	TO	5:00 PM		8	8	147	132	279	287
5:00 PM	TO	6:00 PM		11	11	147	178	325	336
TOTAL VOLUME				64	64	682	772	1454	1518
PERCENTAGE				4.2%	4.2%	44.9%	50.9%	95.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
196th St & James Rd (#159)  
9/13/2012

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0				3	0	3	3	0	3
7:00 AM - 8:00 AM	3	0	3				9	0	9	12	0	12
8:00 AM - 9:00 AM	2	0	2				7	0	7	9	0	9
PM TIME PERIOD												
2:00 PM - 3:00 PM	3	2	5				0	0	0	3	2	5
3:00 PM - 4:00 PM	6	0	6				10	0	10	16	0	16
4:00 PM - 5:00 PM	2	0	2				6	0	6	8	0	8
5:00 PM - 6:00 PM	3	0	3				8	0	8	11	0	11
PASSENGER	19 90.5%						43 100.0%			62 96.9%		
TRUCK	2 9.5%						0 0.0%			2 3.1%		
BOTH	21 32.8%						43 67.2%			64 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	38	0	38				39	0	39
7:00 AM - 8:00 AM	5	1	6	110	8	118				115	9	124
8:00 AM - 9:00 AM	2	0	2	32	2	34				34	2	36
PM TIME PERIOD												
2:00 PM - 3:00 PM	2	1	3	78	3	81				80	4	84
3:00 PM - 4:00 PM	6	1	7	91	7	98				97	8	105
4:00 PM - 5:00 PM	4	1	5	141	1	142				145	2	147
5:00 PM - 6:00 PM	6	0	6	141	0	141				147	0	147
PASSENGER	26 86.7%			631 96.8%						657 96.3%		
TRUCK	4 13.3%			21 3.2%						25 3.7%		
BOTH	30 4.4%			652 95.6%						682 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				42	4	46	0	1	1	42	5	47
7:00 AM - 8:00 AM				120	8	128	1	1	2	121	9	130
8:00 AM - 9:00 AM				41	6	47	2	0	2	43	6	49
PM TIME PERIOD												
2:00 PM - 3:00 PM				80	31	111	4	1	5	84	32	116
3:00 PM - 4:00 PM				113	5	118	2	0	2	115	5	120
4:00 PM - 5:00 PM				124	2	126	6	0	6	130	2	132
5:00 PM - 6:00 PM				167	2	169	9	0	9	176	2	178
PASSENGER				687 92.2%			24 88.9%			711 92.1%		
TRUCK				58 7.8%			3 11.1%			61 7.9%		
BOTH				745 96.5%			27 3.5%			772 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
196th St & Cicero Rd (#160)  
9/12/2012  
AJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	68	145		213					229	520		749
SOUTHBOUND		568	60	628						345	57	402
EASTBOUND	12		128	140					22		109	131
WESTBOUND				0								0

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.85					0.89	
SOUTHBOUND	0.93	0.95				0.88	0.94
EASTBOUND	0.61					0.80	
WESTBOUND	#DIV/0!					#DIV/0!	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	7.4%	4.8%		5.6%					1.3%	1.2%		1.2%
SOUTHBOUND		0.7%	5.0%	1.1%						1.7%	0.0%	1.5%
EASTBOUND	0.0%		5.5%	5.0%					0.0%		0.0%	0.0%
WESTBOUND				0.0%								0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	71	254	325	41	0	41	366
7:00 AM	TO	8:00 AM	218	622	840	136	0	136	976
8:00 AM	TO	9:00 AM	100	195	295	37	0	37	332
2:00 PM	TO	3:00 PM	417	302	719	92	0	92	811
3:00 PM	TO	4:00 PM	456	311	767	111	0	111	878
4:00 PM	TO	5:00 PM	601	368	969	100	0	100	1069
5:00 PM	TO	6:00 PM	727	384	1111	133	0	133	1244
TOTAL VOLUME			2590	2436	5026	650	0	650	5676
PERCENTAGE			45.6%	42.9%	88.5%	11.5%	0.0%	11.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
196th St & Cicero Rd (#160)  
9/12/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	16	5	21	44	6	50	0	0	0	60	11	71
7:00 AM - 8:00 AM	56	4	60	150	8	158	0	0	0	206	12	218
8:00 AM - 9:00 AM	26	2	28	64	8	72	0	0	0	90	10	100
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	73	6	79	330	8	338	0	0	0	403	14	417
3:00 PM - 4:00 PM	69	4	73	377	6	383	0	0	0	446	10	456
4:00 PM - 5:00 PM	114	2	116	481	4	485	0	0	0	595	6	601
5:00 PM - 6:00 PM	230	3	233	490	4	494	0	0	0	720	7	727
<b>PASSENGER</b>	584 95.7%			1936 97.8%			0 #DIV/0!			2520 97.3%		
<b>TRUCK</b>	26 4.3%			44 2.2%			0 #DIV/0!			70 2.7%		
<b>BOTH</b>	610 23.6%			1980 76.4%			0 0.0%			2590 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	233	2	235	18	1	19	251	3	254
7:00 AM - 8:00 AM	0	0	0	548	4	552	66	4	70	614	8	622
8:00 AM - 9:00 AM	0	0	0	168	5	173	22	0	22	190	5	195
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	0	0	0	260	11	271	24	7	31	284	18	302
3:00 PM - 4:00 PM	0	0	0	264	21	285	17	9	26	281	30	311
4:00 PM - 5:00 PM	0	0	0	326	6	332	35	1	36	361	7	368
5:00 PM - 6:00 PM	0	0	0	321	5	326	58	0	58	379	5	384
<b>PASSENGER</b>	0 #DIV/0!			2120 97.5%			240 91.6%			2360 96.9%		
<b>TRUCK</b>	0 #DIV/0!			54 2.5%			22 8.4%			76 3.1%		
<b>BOTH</b>	0 0.0%			2174 89.2%			262 10.8%			2436 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	4	0	4	0	0	0	37	0	37	41	0	41
7:00 AM - 8:00 AM	15	1	16	0	0	0	112	8	120	127	9	136
8:00 AM - 9:00 AM	9	0	9	0	0	0	27	1	28	36	1	37
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	21	5	26	0	0	0	63	3	66	84	8	92
3:00 PM - 4:00 PM	27	4	31	0	0	0	76	4	80	103	8	111
4:00 PM - 5:00 PM	15	2	17	0	0	0	81	2	83	96	4	100
5:00 PM - 6:00 PM	27	0	27	0	0	0	106	0	106	133	0	133
<b>PASSENGER</b>	118 90.8%			0 #DIV/0!			502 96.5%			620 95.4%		
<b>TRUCK</b>	12 9.2%			0 #DIV/0!			18 3.5%			30 4.6%		
<b>BOTH</b>	130 20.0%			0 0.0%			520 80.0%			650 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM - 6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
<b>PASSENGER</b>	0 #DIV/0!			0 #DIV/0!			0 #DIV/0!			0 #DIV/0!		
<b>TRUCK</b>	0 #DIV/0!			0 #DIV/0!			0 #DIV/0!			0 #DIV/0!		
<b>BOTH</b>	0 #DIV/0!			0 #DIV/0!			0 #DIV/0!			0 #DIV/0!		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Cumberland Rd & Allisonville Ave (#161)  
5/2/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	8	94	4	<b>106</b>					14	224	10	<b>248</b>
SOUTHBOUND	13	368	32	<b>413</b>					9	198	37	<b>244</b>
EASTBOUND	19	20	10	<b>49</b>					62	67	16	<b>145</b>
WESTBOUND	8	61	9	<b>78</b>					5	36	73	<b>114</b>

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.78	<b>0.93</b>			0.94	<b>0.97</b>
SOUTHBOUND	0.93				0.84	
EASTBOUND	0.72				0.86	
WESTBOUND	0.75				0.89	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	7.4%	0.0%	6.6%					0.0%	1.8%	0.0%	1.6%
SOUTHBOUND	7.7%	3.0%	0.0%	2.9%					0.0%	1.5%	5.4%	2.0%
EASTBOUND	10.5%	5.0%	0.0%	6.1%					3.2%	1.5%	6.3%	2.8%
WESTBOUND	12.5%	6.6%	0.0%	6.4%					0.0%	0.0%	2.7%	1.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	29	147	176	19	31	50	226
7:00 AM	TO	8:00 AM	106	413	519	49	78	127	646
8:00 AM	TO	9:00 AM	43	151	194	18	23	41	235
2:00 PM	TO	3:00 PM	191	202	393	84	62	146	539
3:00 PM	TO	4:00 PM	241	240	481	106	72	178	659
4:00 PM	TO	5:00 PM	274	245	519	109	109	218	737
5:00 PM	TO	6:00 PM	233	248	481	141	115	256	737
TOTAL VOLUME			1117	1646	2763	526		1016	3779
PERCENTAGE			29.6%	43.6%	73.1%	13.9%		26.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cumberland Rd & Allisonville Ave (#161)  
5/2/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1	25	2	27	0	1	1	26	3	29
7:00 AM - 8:00 AM	8	0	8	87	7	94	4	0	4	99	7	106
8:00 AM - 9:00 AM	5	0	5	33	2	35	3	0	3	41	2	43
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	11	0	11	163	7	170	9	1	10	183	8	191
3:00 PM - 4:00 PM	15	0	15	207	8	215	10	1	11	232	9	241
4:00 PM - 5:00 PM	16	0	16	243	7	250	8	0	8	267	7	274
5:00 PM - 6:00 PM	14	0	14	207	2	209	10	0	10	231	2	233
<b>PASSENGER</b>	70 100.0%			965 96.5%			44 93.6%			1079 96.6%		
<b>TRUCK</b>	0 0.0%			35 3.5%			3 6.4%			38 3.4%		
<b>BOTH</b>	70 6.3%			1000 89.5%			47 4.2%			1117 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	6	0	6	124	4	128	12	1	13	142	5	147
7:00 AM - 8:00 AM	12	1	13	357	11	368	32	0	32	401	12	413
8:00 AM - 9:00 AM	3	0	3	130	7	137	11	0	11	144	7	151
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	10	1	11	152	2	154	29	8	37	191	11	202
3:00 PM - 4:00 PM	18	0	18	172	8	180	37	5	42	227	13	240
4:00 PM - 5:00 PM	15	0	15	190	7	197	30	3	33	235	10	245
5:00 PM - 6:00 PM	8	0	8	197	3	200	39	1	40	244	4	248
<b>PASSENGER</b>	72 97.3%			1322 96.9%			190 91.3%			1584 96.2%		
<b>TRUCK</b>	2 2.7%			42 3.1%			18 8.7%			62 3.8%		
<b>BOTH</b>	74 4.5%			1364 82.9%			208 12.6%			1646 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	5	0	5	4	0	4	10	0	10	19	0	19
7:00 AM - 8:00 AM	17	2	19	19	1	20	10	0	10	46	3	49
8:00 AM - 9:00 AM	9	2	11	4	0	4	3	0	3	16	2	18
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	35	2	37	29	3	32	15	0	15	79	5	84
3:00 PM - 4:00 PM	52	5	57	35	2	37	11	1	12	98	8	106
4:00 PM - 5:00 PM	49	4	53	42	1	43	12	1	13	103	6	109
5:00 PM - 6:00 PM	58	2	60	67	1	68	13	0	13	138	3	141
<b>PASSENGER</b>	225 93.0%			200 96.2%			74 97.4%			499 94.9%		
<b>TRUCK</b>	17 7.0%			8 3.8%			2 2.6%			27 5.1%		
<b>BOTH</b>	242 46.0%			208 39.5%			76 14.4%			526 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	4	0	4	21	0	21	6	0	6	31	0	31
7:00 AM - 8:00 AM	7	1	8	57	4	61	9	0	9	73	5	78
8:00 AM - 9:00 AM	1	0	1	15	0	15	5	2	7	21	2	23
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	6	0	6	24	4	28	28	0	28	58	4	62
3:00 PM - 4:00 PM	7	2	9	21	1	22	41	0	41	69	3	72
4:00 PM - 5:00 PM	7	0	7	30	2	32	66	4	70	103	6	109
5:00 PM - 6:00 PM	6	0	6	41	0	41	67	1	68	114	1	115
<b>PASSENGER</b>	38 92.7%			209 95.0%			222 96.9%			469 95.7%		
<b>TRUCK</b>	3 7.3%			11 5.0%			7 3.1%			21 4.3%		
<b>BOTH</b>	41 8.4%			220 44.9%			229 46.7%			490 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Allisonville Ave & SR 37 (#162)  
 5/3/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	24	257		281					97	624	
SOUTHBOUND		588	43	631						412	22	434
EASTBOUND	18		25	43					44		31	75

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.95				0.90
SOUTHBOUND	0.92	0.92			0.88	0.87
EASTBOUND	0.77				0.63	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	8.3%	8.9%		8.9%					2.1%	2.6%	
SOUTHBOUND		4.8%	7.0%	4.9%						4.4%	0.0%	4.1%
EASTBOUND	11.1%		0.0%	4.7%					0.0%		3.2%	1.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	103	266	369	16		16	385
7:00 AM	TO	8:00 AM	266	637	903	44		44	947
8:00 AM	TO	9:00 AM	100	226	326	22		22	348
2:00 PM	TO	3:00 PM	412	344	756	44		44	800
3:00 PM	TO	4:00 PM	571	369	940	67		67	1007
4:00 PM	TO	5:00 PM	662	386	1048	58		58	1106
5:00 PM	TO	6:00 PM	691	439	1130	84		84	1214
TOTAL VOLUME			2805	2667	5472	335		335	5807
PERCENTAGE			48.3%	45.9%	94.2%	5.8%		5.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Allisonville Ave & SR 37 (#162)  
5/3/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	10	2	12	78	13	91				88	15	103
7:00 AM - 8:00 AM	17	1	18	225	23	248				242	24	266
8:00 AM - 9:00 AM	6	2	8	85	7	92				91	9	100
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	38	3	41	332	39	371				370	42	412
3:00 PM - 4:00 PM	56	1	57	488	26	514				544	27	571
4:00 PM - 5:00 PM	80	2	82	564	16	580				644	18	662
5:00 PM - 6:00 PM	89	2	91	580	20	600				669	22	691
PASSENGER	296 95.8%			2352 94.2%						2648 94.4%		
TRUCK	13 4.2%			144 5.8%						157 5.6%		
BOTH	309 11.0%			2496 89.0%						2805 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				239	11	250	16	0	16	255	11	266
7:00 AM - 8:00 AM				563	25	588	44	5	49	607	30	637
8:00 AM - 9:00 AM				207	6	213	12	1	13	219	7	226
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				286	35	321	17	6	23	303	41	344
3:00 PM - 4:00 PM				319	31	350	15	4	19	334	35	369
4:00 PM - 5:00 PM				339	24	363	22	1	23	361	25	386
5:00 PM - 6:00 PM				387	23	410	29	0	29	416	23	439
PASSENGER				2340 93.8%			155 90.1%			2495 93.6%		
TRUCK				155 6.2%			17 9.9%			172 6.4%		
BOTH				2495 93.6%			172 6.4%			2667 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	4	0	4				12	0	12	16	0	16
7:00 AM - 8:00 AM	18	4	22				21	1	22	39	5	44
8:00 AM - 9:00 AM	4	2	6				15	1	16	19	3	22
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	18	3	21				20	3	23	38	6	44
3:00 PM - 4:00 PM	25	3	28				37	2	39	62	5	67
4:00 PM - 5:00 PM	28	1	29				27	2	29	55	3	58
5:00 PM - 6:00 PM	54	0	54				29	1	30	83	1	84
PASSENGER	151 92.1%						161 94.2%			312 93.1%		
TRUCK	13 7.9%						10 5.8%			23 6.9%		
BOTH	164 49.0%						171 51.0%			335 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Promise Road & 196th St (#163)  
 4/17/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND		51	4	55					7	83	40
SOUTHBOUND	0	86		86						63		70
WESTBOUND	37		3	40					25		9	34

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.76				0.85
SOUTHBOUND	0.77	0.94			0.88	0.85
WESTBOUND	0.67				0.53	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND		2.0%	0.0%	1.8%						2.4%	0.0%
SOUTHBOUND	0.0%	4.7%		4.7%					0.0%	0.0%		0.0%
WESTBOUND	8.1%		0.0%	7.5%					8.0%		0.0%	5.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	23	56	79		30	30	109
7:00 AM	TO	8:00 AM	55	86	141		40	40	181
8:00 AM	TO	9:00 AM	45	36	81		22	22	103
3:00 PM	TO	4:00 PM	31	26	57		7	7	64
4:00 PM	TO	5:00 PM	93	47	140		30	30	170
5:00 PM	TO	6:00 PM	129	64	193		31	31	224
6:00 PM	TO	7:00 PM	64	26	90		15	15	105
TOTAL VOLUME			440	341	781			175	956
PERCENTAGE			46.0%	35.7%	81.7%			18.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Promise Road & 196th St (#163)  
4/17/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				21	0	21	2	0	2	23	0	23
7:00 AM - 8:00 AM				50	1	51	4	0	4	54	1	55
8:00 AM - 9:00 AM				33	4	37	8	0	8	41	4	45
PM TIME PERIOD												
3:00 PM - 4:00 PM				23	0	23	7	1	8	30	1	31
4:00 PM - 5:00 PM				62	7	69	24	0	24	86	7	93
5:00 PM - 6:00 PM				81	2	83	46	0	46	127	2	129
6:00 PM - 7:00 PM				42	0	42	22	0	22	64	0	64
PASSENGER				312 95.7%			113 99.1%			425 96.6%		
TRUCK				14 4.3%			1 0.9%			15 3.4%		
BOTH				326 74.1%			114 25.9%			440 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	53	2	55				54	2	56
7:00 AM - 8:00 AM	0	0	0	82	4	86				82	4	86
8:00 AM - 9:00 AM	0	0	0	33	3	36				33	3	36
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	23	2	25				24	2	26
4:00 PM - 5:00 PM	8	0	8	39	0	39				47	0	47
5:00 PM - 6:00 PM	5	0	5	59	0	59				64	0	64
6:00 PM - 7:00 PM	3	0	3	23	0	23				26	0	26
PASSENGER	18 100.0%			312 96.6%						330 96.8%		
TRUCK	0 0.0%			11 3.4%						11 3.2%		
BOTH	18 5.3%			323 94.7%						341 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	27	0	27				3	0	3	30	0	30
7:00 AM - 8:00 AM	34	3	37				3	0	3	37	3	40
8:00 AM - 9:00 AM	18	1	19				2	1	3	20	2	22
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	0	6				1	0	1	7	0	7
4:00 PM - 5:00 PM	20	4	24				6	0	6	26	4	30
5:00 PM - 6:00 PM	22	2	24				7	0	7	29	2	31
6:00 PM - 7:00 PM	11	0	11				4	0	4	15	0	15
PASSENGER	138 93.2%						26 96.3%			164 93.7%		
TRUCK	10 6.8%						1 3.7%			11 6.3%		
BOTH	148 84.6%						27 15.4%			175 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 196th St & Summer Rd (#164)  
 11/1/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	2		1	3					0		4
EASTBOUND		2	0	2						11	1	12
WESTBOUND	8	10		18					7	33		40

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.75				1.00
EASTBOUND	0.50	0.64			0.75	0.82
WESTBOUND	0.64				0.77	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	100.0%		0.0%	66.7%					0.0%		0.0%
EASTBOUND		0.0%	0.0%	0.0%						0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%		0.0%					0.0%	6.1%		5.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	2		2	1	12	13	15
7:00 AM	TO	8:00 AM	1		1	2	14	16	17
8:00 AM	TO	9:00 AM	4		4	3	16	19	23
3:00 PM	TO	4:00 PM	6		6	12	13	25	31
4:00 PM	TO	5:00 PM	9		9	13	16	29	38
5:00 PM	TO	6:00 PM	4		4	12	40	52	56
6:00 PM	TO	7:00 PM	0		0	9	6	15	15
TOTAL VOLUME			26		26	52	117	169	195
PERCENTAGE			13.3%		13.3%	26.7%	60.0%	86.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
196th St & Summer Rd (#164)  
11/1/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1				1	0	1	1	1	2
7:00 AM - 8:00 AM	0	1	1				0	0	0	0	1	1
8:00 AM - 9:00 AM	0	2	2				2	0	2	2	2	4
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0				5	1	6	5	1	6
4:00 PM - 5:00 PM	0	0	0				9	0	9	9	0	9
5:00 PM - 6:00 PM	0	0	0				4	0	4	4	0	4
6:00 PM - 7:00 PM	0	0	0				0	0	0	0	0	0
PASSENGER	0 0.0%						21 95.5%			21 80.8%		
TRUCK	4 100.0%						1 4.5%			5 19.2%		
BOTH	4 15.4%						22 84.6%			26 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				1	0	1	0	0	0	1	0	1
7:00 AM - 8:00 AM				2	0	2	0	0	0	2	0	2
8:00 AM - 9:00 AM				3	0	3	0	0	0	3	0	3
PM TIME PERIOD												
3:00 PM - 4:00 PM				7	1	8	3	1	4	10	2	12
4:00 PM - 5:00 PM				10	2	12	1	0	1	11	2	13
5:00 PM - 6:00 PM				11	0	11	1	0	1	12	0	12
6:00 PM - 7:00 PM				9	0	9	0	0	0	9	0	9
PASSENGER				43 93.5%			5 83.3%			48 92.3%		
TRUCK				3 6.5%			1 16.7%			4 7.7%		
BOTH				46 88.5%			6 11.5%			52 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	6	0	6				12	0	12
7:00 AM - 8:00 AM	3	0	3	11	0	11				14	0	14
8:00 AM - 9:00 AM	2	0	2	11	3	14				13	3	16
PM TIME PERIOD												
3:00 PM - 4:00 PM	5	1	6	6	1	7				11	2	13
4:00 PM - 5:00 PM	1	1	2	13	1	14				14	2	16
5:00 PM - 6:00 PM	7	0	7	31	2	33				38	2	40
6:00 PM - 7:00 PM	2	0	2	4	0	4				6	0	6
PASSENGER	26 92.9%			82 92.1%						108 92.3%		
TRUCK	2 7.1%			7 7.9%						9 7.7%		
BOTH	28 23.9%			89 76.1%						117 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 196th St & Creek Rd (#165)  
 11/1/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 3:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	5		3	8					3		10
EASTBOUND	1	4		5					8	24		32
WESTBOUND		15	0	15						12	4	16

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	SOUTHBOUND	0.40					0.36
EASTBOUND	0.42	0.64				0.62	0.85
WESTBOUND	0.75					0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	40.0%		0.0%	25.0%					33.3%		20.0%
EASTBOUND	0.0%	0.0%		0.0%					25.0%	8.3%		12.5%
WESTBOUND		0.0%	0.0%	0.0%						8.3%	25.0%	12.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		3	3	4	10	14	17
7:00 AM	TO	8:00 AM		6	6	2	12	14	20
8:00 AM	TO	9:00 AM		9	9	5	13	18	27
3:00 PM	TO	4:00 PM		12	12	18	6	24	36
4:00 PM	TO	5:00 PM		6	6	21	16	37	43
5:00 PM	TO	6:00 PM		14	14	13	27	40	54
6:00 PM	TO	7:00 PM		3	3	9	5	14	17
TOTAL VOLUME				53	53	72	89	161	214
PERCENTAGE				24.8%	24.8%	33.6%	41.6%	75.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
196th St & Creek Rd (#165)  
11/1/2012

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1				2	0	2	2	1	3
7:00 AM - 8:00 AM	3	1	4				2	0	2	5	1	6
8:00 AM - 9:00 AM	3	1	4				4	1	5	7	2	9
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	1	3				8	1	9	10	2	12
4:00 PM - 5:00 PM	1	0	1				3	2	5	4	2	6
5:00 PM - 6:00 PM	2	0	2				11	1	12	13	1	14
6:00 PM - 7:00 PM	0	0	0				3	0	3	3	0	3
PASSENGER	11 73.3%						33 86.8%			44 83.0%		
TRUCK	4 26.7%						5 13.2%			9 17.0%		
BOTH	15 28.3%						38 71.7%			53 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	4	0	4				4	0	4
7:00 AM - 8:00 AM	1	0	1	1	0	1				2	0	2
8:00 AM - 9:00 AM	2	0	2	3	0	3				5	0	5
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	1	3	13	2	15				15	3	18
4:00 PM - 5:00 PM	6	1	7	13	1	14				19	2	21
5:00 PM - 6:00 PM	8	0	8	5	0	5				13	0	13
6:00 PM - 7:00 PM	2	0	2	7	0	7				9	0	9
PASSENGER	21 91.3%			46 93.9%						67 93.1%		
TRUCK	2 8.7%			3 6.1%						5 6.9%		
BOTH	23 31.9%			49 68.1%						72 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				10	0	10	0	0	0	10	0	10
7:00 AM - 8:00 AM				12	0	12	0	0	0	12	0	12
8:00 AM - 9:00 AM				9	2	11	2	0	2	11	2	13
PM TIME PERIOD												
3:00 PM - 4:00 PM				3	1	4	1	1	2	4	2	6
4:00 PM - 5:00 PM				12	0	12	4	0	4	16	0	16
5:00 PM - 6:00 PM				25	1	26	1	0	1	26	1	27
6:00 PM - 7:00 PM				3	0	3	2	0	2	5	0	5
PASSENGER				74 94.9%			10 90.9%			84 94.4%		
TRUCK				4 5.1%			1 9.1%			5 5.6%		
BOTH				78 87.6%			11 12.4%			89 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 196th St & Victory Chapel Rd S (#166)  
 11/7/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1		0	1					5		9
EASTBOUND		8	3	11						4	6	10
WESTBOUND	2	8		10					4	7		11

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.25				0.50
EASTBOUND	0.69	0.69			0.83	0.88
WESTBOUND	0.83				0.55	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%		0.0%	0.0%					0.0%		11.1%
EASTBOUND		12.5%	33.3%	18.2%						0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%		0.0%					0.0%	0.0%		0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	3		3	6	5	11	14
7:00 AM	TO	8:00 AM	3		3	10	8	18	21
8:00 AM	TO	9:00 AM	1		1	10	8	18	19
3:00 PM	TO	4:00 PM	1		1	4	6	10	11
4:00 PM	TO	5:00 PM	5		5	7	7	14	19
5:00 PM	TO	6:00 PM	14		14	10	11	21	35
6:00 PM	TO	7:00 PM	2		2	6	2	8	10
TOTAL VOLUME			29		29	53	47	100	129
PERCENTAGE			22.5%		22.5%	41.1%	36.4%	77.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
196th St & Victory Chapel Rd S (#166)  
11/7/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2				0	1	1	2	1	3
7:00 AM - 8:00 AM	2	0	2				1	0	1	3	0	3
8:00 AM - 9:00 AM	1	0	1				0	0	0	1	0	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0				1	0	1	1	0	1
4:00 PM - 5:00 PM	0	0	0				4	1	5	4	1	5
5:00 PM - 6:00 PM	5	0	5				8	1	9	13	1	14
6:00 PM - 7:00 PM	1	0	1				1	0	1	2	0	2
PASSENGER	11 100.0%						15 83.3%			26 89.7%		
TRUCK	0 0.0%						3 16.7%			3 10.3%		
BOTH	11 37.9%						18 62.1%			29 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				1	1	2	4	0	4	5	1	6
7:00 AM - 8:00 AM				5	1	6	4	0	4	9	1	10
8:00 AM - 9:00 AM				7	1	8	1	1	2	8	2	10
PM TIME PERIOD												
3:00 PM - 4:00 PM				2	2	4	0	0	0	2	2	4
4:00 PM - 5:00 PM				4	2	6	1	0	1	5	2	7
5:00 PM - 6:00 PM				4	0	4	6	0	6	10	0	10
6:00 PM - 7:00 PM				5	0	5	1	0	1	6	0	6
PASSENGER				28 80.0%			17 94.4%			45 84.9%		
TRUCK				7 20.0%			1 5.6%			8 15.1%		
BOTH				35 66.0%			18 34.0%			53 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	3	0	3				5	0	5
7:00 AM - 8:00 AM	3	0	3	5	0	5				8	0	8
8:00 AM - 9:00 AM	0	0	0	8	0	8				8	0	8
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	4	2	6				4	2	6
4:00 PM - 5:00 PM	1	0	1	6	0	6				7	0	7
5:00 PM - 6:00 PM	4	0	4	7	0	7				11	0	11
6:00 PM - 7:00 PM	1	0	1	1	0	1				2	0	2
PASSENGER	11 100.0%			34 94.4%						45 95.7%		
TRUCK	0 0.0%			2 5.6%						2 4.3%		
BOTH	11 23.4%			36 76.6%						47 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Victory Chapel Road N & 196th Street (#167)  
6/10/2013  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	0		7	7					2		3
EASTBOUND	0	5		5					11	10		21
WESTBOUND		4	0	4						9	2	11

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	SOUTHBOUND	0.58					0.42
EASTBOUND	0.63	0.67				0.58	0.58
WESTBOUND	0.50					0.55	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	SOUTHBOUND	0.0%		0.0%	0.0%					0.0%		0.0%
EASTBOUND	0.0%	0.0%		0.0%					0.0%	0.0%		0.0%
WESTBOUND		0.0%	0.0%	0.0%						0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		7	7	3	1	4	11
7:00 AM	TO	8:00 AM		4	4	4	4	8	12
8:00 AM	TO	9:00 AM		3	3	3	4	7	10
3:00 PM	TO	4:00 PM		1	1	5	2	7	8
4:00 PM	TO	5:00 PM		5	5	8	10	18	23
5:00 PM	TO	6:00 PM		5	5	21	11	32	37
6:00 PM	TO	7:00 PM		4	4	0	8	8	12
TOTAL VOLUME				29	29	44		84	113
PERCENTAGE				25.7%	25.7%	38.9%		74.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Victory Chapel Road N & 196th Street (#167)  
6/10/2013

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1				6	0	6	7	0	7
7:00 AM - 8:00 AM	0	0	0				4	0	4	4	0	4
8:00 AM - 9:00 AM	1	0	1				2	0	2	3	0	3
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1				0	0	0	1	0	1
4:00 PM - 5:00 PM	1	0	1				4	0	4	5	0	5
5:00 PM - 6:00 PM	2	0	2				3	0	3	5	0	5
6:00 PM - 7:00 PM	1	0	1				3	0	3	4	0	4
PASSENGER	7 100.0%						22 100.0%			29 100.0%		
TRUCK	0 0.0%						0 0.0%			0 0.0%		
BOTH	7 24.1%						22 75.9%			29 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	3	0	3				3	0	3
7:00 AM - 8:00 AM	0	0	0	4	0	4				4	0	4
8:00 AM - 9:00 AM	0	1	1	2	0	2				2	1	3
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	2	0	2				5	0	5
4:00 PM - 5:00 PM	4	0	4	4	0	4				8	0	8
5:00 PM - 6:00 PM	11	0	11	10	0	10				21	0	21
6:00 PM - 7:00 PM	0	0	0	0	0	0				0	0	0
PASSENGER	18 94.7%			25 100.0%						43 97.7%		
TRUCK	1 5.3%			0 0.0%						1 2.3%		
BOTH	19 43.2%			25 56.8%						44 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				1	0	1	0	0	0	1	0	1
7:00 AM - 8:00 AM				4	0	4	0	0	0	4	0	4
8:00 AM - 9:00 AM				2	1	3	1	0	1	3	1	4
PM TIME PERIOD												
3:00 PM - 4:00 PM				2	0	2	0	0	0	2	0	2
4:00 PM - 5:00 PM				6	0	6	3	1	4	9	1	10
5:00 PM - 6:00 PM				9	0	9	2	0	2	11	0	11
6:00 PM - 7:00 PM				8	0	8	0	0	0	8	0	8
PASSENGER				32 97.0%			6 85.7%			38 95.0%		
TRUCK				1 3.0%			1 14.3%			2 5.0%		
BOTH				33 82.5%			7 17.5%			40 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 196th & Mystic Rd (#168)  
 11/2/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 3:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	0		0	0					0		0	0
EASTBOUND	0	13		13					1	7		8
WESTBOUND		3	0	3						11	0	11

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
SOUTHBOUND	#DIV/0!				#DIV/0!	
EASTBOUND	0.81	0.67			0.67	0.59
WESTBOUND	0.38				0.46	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	0.0%		0.0%	0.0%					0.0%		0.0%	0.0%
EASTBOUND	0.0%	15.4%		23.1%					0.0%	14.3%		12.5%
WESTBOUND		0.0%	0.0%	33.3%						9.1%	0.0%	18.2%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		0	0	6	4	10	10
7:00 AM	TO	8:00 AM		0	0	9	5	14	14
8:00 AM	TO	9:00 AM		2	2	5	1	6	8
3:00 PM	TO	4:00 PM		0	0	4	4	8	8
4:00 PM	TO	5:00 PM		1	1	6	11	17	18
5:00 PM	TO	6:00 PM		0	0	11	4	15	15
6:00 PM	TO	7:00 PM		3	3	3	2	5	8
TOTAL VOLUME				6	6	44	31	75	81
PERCENTAGE				7.4%	7.4%	54.3%	38.3%	92.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
196th & Mystic Rd (#168)  
11/2/2012

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0				0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0				0	0	0	0	0	0
8:00 AM - 9:00 AM	0	1	1				1	0	1	1	1	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0				0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0				1	0	1	1	0	1
5:00 PM - 6:00 PM	0	0	0				0	0	0	0	0	0
6:00 PM - 7:00 PM	1	0	1				2	0	2	3	0	3
PASSENGER	1 50.0%						4 100.0%			5 83.3%		
TRUCK	1 50.0%						0 0.0%			1 16.7%		
BOTH	2 33.3%						4 66.7%			6 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	5	1	6				5	1	6
7:00 AM - 8:00 AM	0	0	0	8	1	9				8	1	9
8:00 AM - 9:00 AM	0	0	0	5	0	5				5	0	5
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	3	1	4				3	1	4
4:00 PM - 5:00 PM	1	0	1	5	0	5				6	0	6
5:00 PM - 6:00 PM	3	0	3	8	0	8				11	0	11
6:00 PM - 7:00 PM	1	0	1	2	0	2				3	0	3
PASSENGER	5 100.0%			36 92.3%						41 93.2%		
TRUCK	0 0.0%			3 7.7%						3 6.8%		
BOTH	5 11.4%			39 88.6%						44 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				4	0	4	0	0	0	4	0	4
7:00 AM - 8:00 AM				5	0	5	0	0	0	5	0	5
8:00 AM - 9:00 AM				0	1	1	0	0	0	0	1	1
PM TIME PERIOD												
3:00 PM - 4:00 PM				3	1	4	0	0	0	3	1	4
4:00 PM - 5:00 PM				10	0	10	1	0	1	11	0	11
5:00 PM - 6:00 PM				4	0	4	0	0	0	4	0	4
6:00 PM - 7:00 PM				2	0	2	0	0	0	2	0	2
PASSENGER				28 93.3%			1 100.0%			29 93.5%		
TRUCK				2 6.7%			0 0.0%			2 6.5%		
BOTH				30 96.8%			1 3.2%			31 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 196th & Pilgrim Rd (#169)  
 10/31/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 3:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	2		2	4					3		1
EASTBOUND		4	7	11						9	2	11
WESTBOUND	3	3		6					1	9		10

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.50	0.88			0.50
EASTBOUND	0.69				0.46	
WESTBOUND	0.75				0.42	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%		0.0%	0.0%					33.3%		100.0%
EASTBOUND		50.0%	14.3%	27.3%						11.1%	0.0%	9.1%
WESTBOUND	33.3%	0.0%		16.7%					100.0%	0.0%		10.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0		0	7	5	12	12
7:00 AM	TO	8:00 AM	4		4	7	5	12	16
8:00 AM	TO	9:00 AM	4		4	4	2	6	10
3:00 PM	TO	4:00 PM	3		3	8	4	12	15
4:00 PM	TO	5:00 PM	4		4	5	7	12	16
5:00 PM	TO	6:00 PM	2		2	8	3	11	13
6:00 PM	TO	7:00 PM	1		1	3	1	4	5
TOTAL VOLUME			18		18	42	27	69	87
PERCENTAGE			20.7%		20.7%	48.3%	31.0%	79.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
196th & Pilgrim Rd (#169)  
10/31/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0				0	0	0	0	0	0
7:00 AM - 8:00 AM	2	0	2				2	0	2	4	0	4
8:00 AM - 9:00 AM	3	0	3				1	0	1	4	0	4
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	1	2				0	1	1	1	2	3
4:00 PM - 5:00 PM	4	0	4				0	0	0	4	0	4
5:00 PM - 6:00 PM	1	0	1				1	0	1	2	0	2
6:00 PM - 7:00 PM	1	0	1				0	0	0	1	0	1
PASSENGER	12 92.3%						4 80.0%			16 88.9%		
TRUCK	1 7.7%						1 20.0%			2 11.1%		
BOTH	13 72.2%						5 27.8%			18 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				3	0	3	3	1	4	6	1	7
7:00 AM - 8:00 AM				1	2	3	4	0	4	5	2	7
8:00 AM - 9:00 AM				2	0	2	2	0	2	4	0	4
PM TIME PERIOD												
3:00 PM - 4:00 PM				6	1	7	1	0	1	7	1	8
4:00 PM - 5:00 PM				4	0	4	1	0	1	5	0	5
5:00 PM - 6:00 PM				5	0	5	3	0	3	8	0	8
6:00 PM - 7:00 PM				3	0	3	0	0	0	3	0	3
PASSENGER				24 88.9%			14 93.3%			38 90.5%		
TRUCK				3 11.1%			1 6.7%			4 9.5%		
BOTH				27 64.3%			15 35.7%			42 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	1	3	2	0	2				4	1	5
7:00 AM - 8:00 AM	1	0	1	4	0	4				5	0	5
8:00 AM - 9:00 AM	0	0	0	2	0	2				2	0	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	1	1	3	0	3				3	1	4
4:00 PM - 5:00 PM	0	0	0	7	0	7				7	0	7
5:00 PM - 6:00 PM	0	0	0	3	0	3				3	0	3
6:00 PM - 7:00 PM	0	0	0	1	0	1				1	0	1
PASSENGER	3 60.0%			22 100.0%						25 92.6%		
TRUCK	2 40.0%			0 0.0%						2 7.4%		
BOTH	5 18.5%			22 81.5%						27 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
196th St & Prairie Baptist Rd (#170)  
11/9/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	11	2	13					1	34	10	45
SOUTHBOUND	6	22	0	28					4	18	1	23
EASTBOUND	0	7	2	9					0	5	3	8
WESTBOUND	8	4	3	15					6	3	8	17

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.81	0.90			0.75	0.83
SOUTHBOUND	0.70				0.58	
EASTBOUND	0.56				0.50	
WESTBOUND	0.63				0.53	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	9.1%	0.0%	7.7%					0.0%	5.9%	0.0%	4.4%
SOUTHBOUND	16.7%	9.1%	0.0%	10.7%					0.0%	11.1%	0.0%	8.7%
EASTBOUND	0.0%	14.3%	50.0%	22.2%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	7	17	24	6	13	19	43
7:00 AM	TO	8:00 AM	12	30	42	8	12	20	62
8:00 AM	TO	9:00 AM	7	26	33	2	14	16	49
3:00 PM	TO	4:00 PM	13	10	23	6	11	17	40
4:00 PM	TO	5:00 PM	31	23	54	9	20	29	83
5:00 PM	TO	6:00 PM	40	28	68	6	13	19	87
6:00 PM	TO	7:00 PM	17	13	30	1	2	3	33
TOTAL VOLUME			127	147	274	38	85	123	397
PERCENTAGE			32.0%	37.0%	69.0%	9.6%	21.4%	31.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
196th St & Prairie Baptist Rd (#170)  
11/9/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	6	1	7	0	0	0	6	1	7
7:00 AM - 8:00 AM	0	0	0	10	0	10	2	0	2	12	0	12
8:00 AM - 9:00 AM	0	0	0	5	0	5	2	0	2	7	0	7
PM TIME PERIOD												
3:00 PM - 4:00 PM	4	0	4	8	1	9	0	0	0	12	1	13
4:00 PM - 5:00 PM	1	1	2	21	2	23	5	1	6	27	4	31
5:00 PM - 6:00 PM	0	0	0	29	1	30	10	0	10	39	1	40
6:00 PM - 7:00 PM	3	0	3	13	0	13	1	0	1	17	0	17
PASSENGER	8 88.9%			92 94.8%			20 95.2%			120 94.5%		
TRUCK	1 11.1%			5 5.2%			1 4.8%			7 5.5%		
BOTH	9 7.1%			97 76.4%			21 16.5%			127 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	11	1	12	0	0	0	16	1	17
7:00 AM - 8:00 AM	3	1	4	25	1	26	0	0	0	28	2	30
8:00 AM - 9:00 AM	4	2	6	17	3	20	0	0	0	21	5	26
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	7	0	7	1	0	1	10	0	10
4:00 PM - 5:00 PM	4	0	4	17	2	19	0	0	0	21	2	23
5:00 PM - 6:00 PM	4	0	4	21	2	23	1	0	1	26	2	28
6:00 PM - 7:00 PM	4	0	4	9	0	9	0	0	0	13	0	13
PASSENGER	26 89.7%			107 92.2%			2 100.0%			135 91.8%		
TRUCK	3 10.3%			9 7.8%			0 0.0%			12 8.2%		
BOTH	29 19.7%			116 78.9%			2 1.4%			147 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	2	0	2	2	1	3	5	1	6
7:00 AM - 8:00 AM	0	0	0	6	1	7	1	0	1	7	1	8
8:00 AM - 9:00 AM	0	0	0	1	1	2	0	0	0	1	1	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	2	1	3	2	1	3	4	2	6
4:00 PM - 5:00 PM	1	0	1	6	1	7	1	0	1	8	1	9
5:00 PM - 6:00 PM	0	0	0	2	1	3	3	0	3	5	1	6
6:00 PM - 7:00 PM	0	0	0	1	0	1	0	0	0	1	0	1
PASSENGER	2 100.0%			20 80.0%			9 81.8%			31 81.6%		
TRUCK	0 0.0%			5 20.0%			2 18.2%			7 18.4%		
BOTH	2 5.3%			25 65.8%			11 28.9%			38 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	3	1	4	3	0	3	12	1	13
7:00 AM - 8:00 AM	9	0	9	2	0	2	1	0	1	12	0	12
8:00 AM - 9:00 AM	8	0	8	3	0	3	2	1	3	13	1	14
PM TIME PERIOD												
3:00 PM - 4:00 PM	4	0	4	4	2	6	0	1	1	8	3	11
4:00 PM - 5:00 PM	2	0	2	4	0	4	14	0	14	20	0	20
5:00 PM - 6:00 PM	7	0	7	3	0	3	3	0	3	13	0	13
6:00 PM - 7:00 PM	1	0	1	0	0	0	1	0	1	2	0	2
PASSENGER	37 100.0%			19 86.4%			24 92.3%			80 94.1%		
TRUCK	0 0.0%			3 13.6%			2 7.7%			5 5.9%		
BOTH	37 43.5%			22 25.9%			26 30.6%			85 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd. & 196th St. (#171)  
7/20/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	1	5	1	7					2	7	1	10
SOUTHBOUND	1	11	1	13					7	16	1	24
EASTBOUND	3	8	0	11					0	8	2	10
WESTBOUND	4	7	2	13					2	18	3	23

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.58	0.73			0.83	0.88
SOUTHBOUND	0.65				0.46	
EASTBOUND	0.69				0.83	
WESTBOUND	0.81				0.52	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	36.4%	0.0%	30.8%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	5.6%	0.0%	4.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	5	5	10	8	4	12	22
7:00 AM	TO	8:00 AM	8	9	17	9	12	21	38
8:00 AM	TO	9:00 AM	7	11	18	9	9	18	36
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	9	5	14	6	5	11	25
4:00 PM	TO	5:00 PM	12	14	26	12	19	31	57
5:00 PM	TO	6:00 PM	11	18	29	12	11	23	52
6:00 PM	TO	7:00 PM	2	5	7	5	2	7	14
TOTAL VOLUME			54	67	121	61	62	123	244
PERCENTAGE			22.1%	27.5%	49.6%	25.0%	25.4%	50.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd. & 196th St. (#171)  
7/20/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	4	0	4	0	0	0	5	0	5
7:00 AM - 8:00 AM	0	0	0	8	0	8	0	0	0	8	0	8
8:00 AM - 9:00 AM	2	0	2	4	0	4	1	0	1	7	0	7
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	6	0	6	2	0	2	9	0	9
4:00 PM - 5:00 PM	3	0	3	7	0	7	2	0	2	12	0	12
5:00 PM - 6:00 PM	2	0	2	7	0	7	2	0	2	11	0	11
6:00 PM - 7:00 PM	0	0	0	1	0	1	1	0	1	2	0	2
PASSENGER	9 100.0%			37 100.0%			8 100.0%			54 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	9 16.7%			37 68.5%			8 14.8%			54 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1	3	1	4	0	0	0	3	2	5
7:00 AM - 8:00 AM	1	1	2	5	2	7	0	0	0	6	3	9
8:00 AM - 9:00 AM	2	0	2	6	2	8	1	0	1	9	2	11
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	3	1	4	1	0	1	4	1	5
4:00 PM - 5:00 PM	3	0	3	9	0	9	2	0	2	14	0	14
5:00 PM - 6:00 PM	6	0	6	12	0	12	0	0	0	18	0	18
6:00 PM - 7:00 PM	1	0	1	4	0	4	0	0	0	5	0	5
PASSENGER	13 86.7%			42 87.5%			4 100.0%			59 88.1%		
TRUCK	2 13.3%			6 12.5%			0 0.0%			8 11.9%		
BOTH	15 22.4%			48 71.6%			4 6.0%			67 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	8	0	8	0	0	0	8	0	8
7:00 AM - 8:00 AM	2	0	2	6	1	7	0	0	0	8	1	9
8:00 AM - 9:00 AM	2	0	2	7	0	7	0	0	0	9	0	9
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	6	0	6	0	0	0	6	0	6
4:00 PM - 5:00 PM	0	0	0	11	0	11	1	0	1	12	0	12
5:00 PM - 6:00 PM	0	0	0	9	0	9	3	0	3	12	0	12
6:00 PM - 7:00 PM	1	0	1	4	0	4	0	0	0	5	0	5
PASSENGER	5 100.0%			51 98.1%			4 100.0%			60 98.4%		
TRUCK	0 0.0%			1 1.9%			0 0.0%			1 1.6%		
BOTH	5 8.2%			52 85.2%			4 6.6%			61 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	2	0	2	1	0	1	4	0	4
7:00 AM - 8:00 AM	3	0	3	6	0	6	3	0	3	12	0	12
8:00 AM - 9:00 AM	2	0	2	6	0	6	1	0	1	9	0	9
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	3	0	3	0	1	1	4	1	5
4:00 PM - 5:00 PM	1	0	1	14	1	15	3	0	3	18	1	19
5:00 PM - 6:00 PM	3	0	3	8	0	8	0	0	0	11	0	11
6:00 PM - 7:00 PM	0	0	0	2	0	2	0	0	0	2	0	2
PASSENGER	11 100.0%			41 97.6%			8 88.9%			60 96.8%		
TRUCK	0 0.0%			1 2.4%			1 11.1%			2 3.2%		
BOTH	11 17.7%			42 67.7%			9 14.5%			62 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 196th St & Montana Ave (#172)  
 10/6/2004

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	2		5	7					3		2	5
EASTBOUND	1	11		12					4	18		22
WESTBOUND		6	4	10						15	0	15

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
SOUTHBOUND	0.44	0.73			0.42	0.81
EASTBOUND	0.43				0.69	
WESTBOUND	0.63				0.54	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	0.0%		20.0%	14.3%					0.0%		0.0%	0.0%
EASTBOUND	0.0%	0.0%		0.0%					25.0%	5.6%		9.1%
WESTBOUND		0.0%	0.0%	0.0%						0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		2	2	12	5	17	19
7:00 AM	TO	8:00 AM		7	7	12	10	22	29
8:00 AM	TO	9:00 AM		1	1	4	9	13	14
3:00 PM	TO	4:00 PM		1	1	6	3	9	10
4:00 PM	TO	5:00 PM		6	6	18	13	31	37
5:00 PM	TO	6:00 PM		1	1	18	20	38	39
6:00 PM	TO	7:00 PM		0	0	8	7	15	15
TOTAL VOLUME				18	18	78	67	145	163
PERCENTAGE				11.0%	11.0%	47.9%	41.1%	89.0%	100.0%

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 196th St & Montana Ave (#172)  
 10/6/2004

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1				1	0	1	2	0	2
7:00 AM - 8:00 AM	2	0	2				4	1	5	6	1	7
8:00 AM - 9:00 AM	0	0	0				1	0	1	1	0	1
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	1	1				0	0	0	0	1	1
4:00 PM - 5:00 PM	4	0	4				2	0	2	6	0	6
5:00 PM - 6:00 PM	0	0	0				1	0	1	1	0	1
6:00 PM - 7:00 PM	0	0	0				0	0	0	0	0	0
PASSENGER	7 87.5%						9 90.0%			16 88.9%		
TRUCK	1 12.5%						1 10.0%			2 11.1%		
BOTH	8 44.4%						10 55.6%			18 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	12	0	12				12	0	12
7:00 AM - 8:00 AM	1	0	1	11	0	11				12	0	12
8:00 AM - 9:00 AM	0	0	0	4	0	4				4	0	4
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	1	0	1	5	0	5				6	0	6
4:00 PM - 5:00 PM	3	1	4	13	1	14				16	2	18
5:00 PM - 6:00 PM	0	0	0	18	0	18				18	0	18
6:00 PM - 7:00 PM	1	0	1	7	0	7				8	0	8
PASSENGER	6 85.7%			70 98.6%						76 97.4%		
TRUCK	1 14.3%			1 1.4%						2 2.6%		
BOTH	7 9.0%			71 91.0%						78 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				4	0	4	1	0	1	5	0	5
7:00 AM - 8:00 AM				6	0	6	4	0	4	10	0	10
8:00 AM - 9:00 AM				8	0	8	1	0	1	9	0	9
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				3	0	3	0	0	0	3	0	3
4:00 PM - 5:00 PM				13	0	13	0	0	0	13	0	13
5:00 PM - 6:00 PM				19	1	20	0	0	0	19	1	20
6:00 PM - 7:00 PM				7	0	7	0	0	0	7	0	7
PASSENGER				60 98.4%			6 100.0%			66 98.5%		
TRUCK				1 1.6%			0 0.0%			1 1.5%		
BOTH				61 91.0%			6 9.0%			67 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 Atlantic Rd. & 196th St (#173)  
 7/25/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	12	82		94					10	142		152
SOUTHBOUND		122	0	122						146	0	146
EASTBOUND	3		8	11					1		12	13

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.76				0.93	
SOUTHBOUND	0.87	0.92			0.81	0.86
EASTBOUND	0.55				0.81	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	8.3%	9.8%		9.6%					0.0%	1.4%		1.3%
SOUTHBOUND		1.6%	0.0%	1.6%						4.1%	0.0%	4.1%
EASTBOUND	33.3%		0.0%	9.1%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	73	113	186	8		8	194
7:00 AM	TO	8:00 AM	90	118	208	15		15	223
8:00 AM	TO	9:00 AM	66	82	148	7		7	155
3:00 PM	TO	4:00 PM	59	59	118	3		3	121
4:00 PM	TO	5:00 PM	134	110	244	13		13	257
5:00 PM	TO	6:00 PM	157	138	295	12		12	307
6:00 PM	TO	7:00 PM	64	60	124	10		10	134
TOTAL VOLUME			643	680	1323	68		68	1391
PERCENTAGE			46.2%	48.9%	95.1%	4.9%		4.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Atlantic Rd. & 196th St (#173)  
7/25/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	5	1	6	59	8	67				64	9	73
7:00 AM - 8:00 AM	9	0	9	74	7	81				83	7	90
8:00 AM - 9:00 AM	1	0	1	52	13	65				53	13	66
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	1	0	1	54	4	58				55	4	59
4:00 PM - 5:00 PM	10	0	10	115	9	124				125	9	134
5:00 PM - 6:00 PM	12	0	12	143	2	145				155	2	157
6:00 PM - 7:00 PM	7	0	7	53	4	57				60	4	64
<b>PASSENGER</b>	45 97.8%			550 92.1%						595 92.5%		
<b>TRUCK</b>	1 2.2%			47 7.9%						48 7.5%		
<b>BOTH</b>	46 7.2%			597 92.8%						643 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				105	8	113	0	0	0	105	8	113
7:00 AM - 8:00 AM				113	5	118	0	0	0	113	5	118
8:00 AM - 9:00 AM				75	4	79	3	0	3	78	4	82
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				56	3	59	0	0	0	56	3	59
4:00 PM - 5:00 PM				99	9	108	2	0	2	101	9	110
5:00 PM - 6:00 PM				132	5	137	1	0	1	133	5	138
6:00 PM - 7:00 PM				56	4	60	0	0	0	56	4	60
<b>PASSENGER</b>				636 94.4%			6 100.0%			642 94.4%		
<b>TRUCK</b>				38 5.6%			0 0.0%			38 5.6%		
<b>BOTH</b>				674 99.1%			6 0.9%			680 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0				7	1	8	7	1	8
7:00 AM - 8:00 AM	2	1	3				12	0	12	14	1	15
8:00 AM - 9:00 AM	0	0	0				7	0	7	7	0	7
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0				3	0	3	3	0	3
4:00 PM - 5:00 PM	1	0	1				12	0	12	13	0	13
5:00 PM - 6:00 PM	1	0	1				11	0	11	12	0	12
6:00 PM - 7:00 PM	1	0	1				9	0	9	10	0	10
<b>PASSENGER</b>	5 83.3%						61 98.4%			66 97.1%		
<b>TRUCK</b>	1 16.7%						1 1.6%			2 2.9%		
<b>BOTH</b>	6 8.8%						62 91.2%			68 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cumberland Rd. & Riverwood Ave. (#174)  
6/21/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	2	85	6	93					11	322	35	368
SOUTHBOUND	0	279	1	280					0	200	0	200
EASTBOUND	0	0	13	13					0	0	9	9
WESTBOUND	29	1	4	34					24	3	1	28

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.75	0.98			0.97	0.89
SOUTHBOUND	0.93				0.75	
EASTBOUND	0.46				0.45	
WESTBOUND	0.77				0.88	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	1.2%	0.0%	1.1%					9.1%	1.2%	2.9%	1.6%
SOUTHBOUND	0.0%	0.7%	0.0%	0.7%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	7.7%	7.7%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	3.4%	0.0%	0.0%	2.9%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	40	213	253	1	19	20	273
7:00 AM	TO	8:00 AM	78	290	368	11	31	42	410
8:00 AM	TO	9:00 AM	102	258	360	13	30	43	403
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	136	79	215	1	12	13	228
4:00 PM	TO	5:00 PM	348	174	522	8	25	33	555
5:00 PM	TO	6:00 PM	326	206	532	7	26	33	565
6:00 PM	TO	7:00 PM	134	88	222	3	10	13	235
TOTAL VOLUME			1164	1308	2472	44	153	197	2669
PERCENTAGE			43.6%	49.0%	92.6%	1.6%	5.7%	7.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cumberland Rd. & Riverwood Ave. (#174)  
6/21/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	33	1	34	6	0	6	39	1	40
7:00 AM - 8:00 AM	3	0	3	70	1	71	4	0	4	77	1	78
8:00 AM - 9:00 AM	4	0	4	84	1	85	13	0	13	101	1	102
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	1	7	115	0	115	14	0	14	135	1	136
4:00 PM - 5:00 PM	12	0	12	291	3	294	40	2	42	343	5	348
5:00 PM - 6:00 PM	11	1	12	292	1	293	21	0	21	324	2	326
6:00 PM - 7:00 PM	7	0	7	114	0	114	13	0	13	134	0	134
PASSENGER	43 95.6%			999 99.3%			111 98.2%			1153 99.1%		
TRUCK	2 4.4%			7 0.7%			2 1.8%			11 0.9%		
BOTH	45 3.9%			1006 86.4%			113 9.7%			1164 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	211	1	212	1	0	1	212	1	213
7:00 AM - 8:00 AM	0	0	0	290	0	290	0	0	0	290	0	290
8:00 AM - 9:00 AM	0	0	0	252	4	256	2	0	2	254	4	258
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	79	0	79	0	0	0	79	0	79
4:00 PM - 5:00 PM	0	0	0	174	0	174	0	0	0	174	0	174
5:00 PM - 6:00 PM	1	0	1	203	1	204	1	0	1	205	1	206
6:00 PM - 7:00 PM	0	0	0	88	0	88	0	0	0	88	0	88
PASSENGER	1 100.0%			1297 99.5%			4 100.0%			1302 99.5%		
TRUCK	0 0.0%			6 0.5%			0 0.0%			6 0.5%		
BOTH	1 0.1%			1303 99.6%			4 0.3%			1308 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	1	0	1	1	0	1
7:00 AM - 8:00 AM	0	0	0	0	0	0	10	1	11	10	1	11
8:00 AM - 9:00 AM	0	0	0	0	0	0	13	0	13	13	0	13
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
4:00 PM - 5:00 PM	0	0	0	0	0	0	8	0	8	8	0	8
5:00 PM - 6:00 PM	1	0	1	0	0	0	6	0	6	7	0	7
6:00 PM - 7:00 PM	0	0	0	0	0	0	3	0	3	3	0	3
PASSENGER	1 100.0%			0 #DIV/0!			42 97.7%			43 97.7%		
TRUCK	0 0.0%			0 #DIV/0!			1 2.3%			1 2.3%		
BOTH	1 2.3%			0 0.0%			43 97.7%			44 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	18	0	18	0	0	0	1	0	1	19	0	19
7:00 AM - 8:00 AM	26	1	27	1	0	1	3	0	3	30	1	31
8:00 AM - 9:00 AM	28	1	29	0	0	0	1	0	1	29	1	30
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	12	0	12	0	0	0	0	0	0	12	0	12
4:00 PM - 5:00 PM	20	0	20	3	0	3	2	0	2	25	0	25
5:00 PM - 6:00 PM	22	0	22	2	0	2	2	0	2	26	0	26
6:00 PM - 7:00 PM	8	1	9	0	0	0	1	0	1	9	1	10
PASSENGER	134 97.8%			6 100.0%			10 100.0%			150 98.0%		
TRUCK	3 2.2%			0 0.0%			0 0.0%			3 2.0%		
BOTH	137 89.5%			6 3.9%			10 6.5%			153 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 Overdorf & Riverwood Ave. (#175)  
 6/15/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	0	0	0					0	0	0	0
SOUTHBOUND	0	0	9	9					1	0	7	8
EASTBOUND	1	7	0	8					14	39	0	53
WESTBOUND	0	14	1	15					0	25	1	26

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	#DIV/0!				#DIV/0!	
SOUTHBOUND	0.75	0.89			0.67	0.95
EASTBOUND	0.67				0.78	
WESTBOUND	0.63				0.65	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					7.1%	7.7%	0.0%	7.5%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	4.0%	0.0%	3.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0	9	9	7	11	18	27
7:00 AM	TO	8:00 AM	0	8	8	7	14	21	29
8:00 AM	TO	9:00 AM	0	8	8	6	16	22	30
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	0	2	2	15	12	27	29
4:00 PM	TO	5:00 PM	0	9	9	44	25	69	78
5:00 PM	TO	6:00 PM	0	9	9	51	21	72	81
6:00 PM	TO	7:00 PM	0	3	3	17	10	27	30
TOTAL VOLUME			0	48	48	147	109	256	304
PERCENTAGE			0.0%	15.8%	15.8%	48.4%	35.9%	84.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Overdorf & Riverwood Ave. (#175)  
6/15/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM - 6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	0			0			0			0		
	#DIV/0!			#DIV/0!			#DIV/0!			#DIV/0!		
TRUCK	0			0			0			0		
	#DIV/0!			#DIV/0!			#DIV/0!			#DIV/0!		
BOTH	0			0			0			0		
	#DIV/0!			#DIV/0!			#DIV/0!			#DIV/0!		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	0	0	0	8	0	8	9	0	9
7:00 AM - 8:00 AM	0	0	0	0	0	0	8	0	8	8	0	8
8:00 AM - 9:00 AM	0	0	0	0	0	0	8	0	8	8	0	8
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	2	0	2	2	0	2
4:00 PM - 5:00 PM	2	0	2	0	0	0	7	0	7	9	0	9
5:00 PM - 6:00 PM	1	0	1	0	0	0	8	0	8	9	0	9
6:00 PM - 7:00 PM	0	0	0	0	0	0	3	0	3	3	0	3
PASSENGER	4			0			44			48		
	100.0%			#DIV/0!			100.0%			100.0%		
TRUCK	0			0			0			0		
	0.0%			#DIV/0!			0.0%			0.0%		
BOTH	4			0			44			48		
	8.3%			0.0%			91.7%			100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	6	0	6	0	0	0	7	0	7
7:00 AM - 8:00 AM	1	0	1	6	0	6	0	0	0	7	0	7
8:00 AM - 9:00 AM	2	0	2	3	1	4	0	0	0	5	1	6
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	11	1	12	0	0	0	14	1	15
4:00 PM - 5:00 PM	10	1	11	30	3	33	0	0	0	40	4	44
5:00 PM - 6:00 PM	12	0	12	36	3	39	0	0	0	48	3	51
6:00 PM - 7:00 PM	6	0	6	10	1	11	0	0	0	16	1	17
PASSENGER	35			102			0			137		
	97.2%			91.9%			#DIV/0!			93.2%		
TRUCK	1			9			0			10		
	2.8%			8.1%			#DIV/0!			6.8%		
BOTH	36			111			0			147		
	24.5%			75.5%			0.0%			100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	10	0	10	1	0	1	11	0	11
7:00 AM - 8:00 AM	0	0	0	14	0	14	0	0	0	14	0	14
8:00 AM - 9:00 AM	0	0	0	15	1	16	0	0	0	15	1	16
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	11	0	11	0	1	1	11	1	12
4:00 PM - 5:00 PM	0	0	0	20	1	21	4	0	4	24	1	25
5:00 PM - 6:00 PM	0	0	0	20	1	21	0	0	0	20	1	21
6:00 PM - 7:00 PM	0	0	0	10	0	10	0	0	0	10	0	10
PASSENGER	0			100			5			105		
	#DIV/0!			97.1%			83.3%			96.3%		
TRUCK	0			3			1			4		
	#DIV/0!			2.9%			16.7%			3.7%		
BOTH	0			103			6			109		
	0.0%			94.5%			5.5%			100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 Promise Rd & SR 37 (#176)  
 4/10/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	4		67	71					1		95
EASTBOUND		267	1	268					611		4	615
WESTBOUND	107	614		721					63	353		416

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.71				0.86
EASTBOUND	0.84	0.94			0.91	0.98
WESTBOUND	0.92				0.91	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%		1.5%	1.4%					0.0%		5.3%
EASTBOUND		9.7%	0.0%	9.7%						3.1%	0.0%	3.1%
WESTBOUND	4.7%	5.7%		5.5%					1.6%	3.4%		3.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	23		23	146	555	701	724
7:00 AM	TO	8:00 AM	71		71	268	721	989	1060
8:00 AM	TO	9:00 AM	35		35	204	486	690	725
3:00 PM	TO	4:00 PM	28		28	233	199	432	460
4:00 PM	TO	5:00 PM	80		80	594	409	1003	1083
5:00 PM	TO	6:00 PM	91		91	587	431	1018	1109
6:00 PM	TO	7:00 PM	36		36	246	219	465	501
TOTAL VOLUME			364		364	2278		5298	5662
PERCENTAGE			6.4%		6.4%	40.2%		93.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Promise Rd & SR 37 (#176)  
4/10/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1				22	0	22	23	0	23
7:00 AM - 8:00 AM	4	0	4				66	1	67	70	1	71
8:00 AM - 9:00 AM	0	0	0				27	8	35	27	8	35
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	2	0	2				22	4	26	24	4	28
4:00 PM - 5:00 PM	1	0	1				74	5	79	75	5	80
5:00 PM - 6:00 PM	3	1	4				82	5	87	85	6	91
6:00 PM - 7:00 PM	1	0	1				35	0	35	36	0	36
PASSENGER	12 92.3%						328 93.4%			340 93.4%		
TRUCK	1 7.7%						23 6.6%			24 6.6%		
BOTH	13 3.6%						351 96.4%			364 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				128	18	146	0	0	0	128	18	146
7:00 AM - 8:00 AM				241	26	267	1	0	1	242	26	268
8:00 AM - 9:00 AM				157	47	204	0	0	0	157	47	204
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				215	16	231	1	1	2	216	17	233
4:00 PM - 5:00 PM				563	26	589	4	1	5	567	27	594
5:00 PM - 6:00 PM				562	20	582	5	0	5	567	20	587
6:00 PM - 7:00 PM				234	8	242	4	0	4	238	8	246
PASSENGER				2100 92.9%			15 88.2%			2115 92.8%		
TRUCK				161 7.1%			2 11.8%			163 7.2%		
BOTH				2261 99.3%			17 0.7%			2278 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	56	1	57	469	29	498				525	30	555
7:00 AM - 8:00 AM	102	5	107	579	35	614				681	40	721
8:00 AM - 9:00 AM	43	4	47	396	43	439				439	47	486
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	16	2	18	162	19	181				178	21	199
4:00 PM - 5:00 PM	45	7	52	324	33	357				369	40	409
5:00 PM - 6:00 PM	78	0	78	333	20	353				411	20	431
6:00 PM - 7:00 PM	25	1	26	183	10	193				208	11	219
PASSENGER	365 94.8%			2446 92.8%						2811 93.1%		
TRUCK	20 5.2%			189 7.2%						209 6.9%		
BOTH	385 12.7%			2635 87.3%						3020 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 Cyntheanne Rd & Montana Ave (#177)  
 8/8/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		10	3	13						16	0	16
SOUTHBOUND	3	8		11					0	17		17
WESTBOUND	2		0	2					1		2	3

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.65				0.67	
SOUTHBOUND	0.69	0.72			0.47	0.69
WESTBOUND	0.50				0.75	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		10.0%	0.0%	7.7%						12.5%	0.0%	12.5%
SOUTHBOUND	0.0%	37.5%		27.3%					0.0%	0.0%		0.0%
WESTBOUND	0.0%		0.0%	0.0%					100.0%		50.0%	66.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	9	11	20		1	1	21
7:00 AM	TO	8:00 AM	11	10	21		3	3	24
8:00 AM	TO	9:00 AM	4	10	14		2	2	16
3:00 PM	TO	4:00 PM	3	5	8		1	1	9
4:00 PM	TO	5:00 PM	12	15	27		2	2	29
5:00 PM	TO	6:00 PM	18	14	32		2	2	34
6:00 PM	TO	7:00 PM	6	3	9		2	2	11
TOTAL VOLUME			63	68	131		13	13	144
PERCENTAGE			43.8%	47.2%	91.0%		9.0%	9.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cyntheanne Rd & Montana Ave (#177)  
8/8/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				7	1	8	1	0	1	8	1	9
7:00 AM - 8:00 AM				9	0	9	2	0	2	11	0	11
8:00 AM - 9:00 AM				3	0	3	1	0	1	4	0	4
PM TIME PERIOD												
3:00 PM - 4:00 PM				1	1	2	1	0	1	2	1	3
4:00 PM - 5:00 PM				12	0	12	0	0	0	12	0	12
5:00 PM - 6:00 PM				16	2	18	0	0	0	16	2	18
6:00 PM - 7:00 PM				4	1	5	1	0	1	5	1	6
PASSENGER				52 91.2%			6 100.0%			58 92.1%		
TRUCK				5 8.8%			0 0.0%			5 7.9%		
BOTH				57 90.5%			6 9.5%			63 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	6	3	9				8	3	11
7:00 AM - 8:00 AM	2	0	2	7	1	8				9	1	10
8:00 AM - 9:00 AM	0	0	0	9	1	10				9	1	10
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	4	1	5				4	1	5
4:00 PM - 5:00 PM	0	0	0	15	0	15				15	0	15
5:00 PM - 6:00 PM	0	0	0	14	0	14				14	0	14
6:00 PM - 7:00 PM	0	0	0	3	0	3				3	0	3
PASSENGER	4 100.0%			58 90.6%						62 91.2%		
TRUCK	0 0.0%			6 9.4%						6 8.8%		
BOTH	4 5.9%			64 94.1%						68 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1				0	0	0	1	0	1
7:00 AM - 8:00 AM	2	0	2				1	0	1	3	0	3
8:00 AM - 9:00 AM	1	0	1				1	0	1	2	0	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1				0	0	0	1	0	1
4:00 PM - 5:00 PM	1	0	1				1	0	1	2	0	2
5:00 PM - 6:00 PM	0	1	1				0	1	1	0	2	2
6:00 PM - 7:00 PM	0	0	0				2	0	2	2	0	2
PASSENGER	6 85.7%						5 83.3%			11 84.6%		
TRUCK	1 14.3%						1 16.7%			2 15.4%		
BOTH	7 53.8%						6 46.2%			13 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 206th St & Hague Rd (#178)  
 9/27/2012  
 Mindy Estell

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND		67	78	145					168	285	87
SOUTHBOUND	322	182		504					209			377
WESTBOUND	70		89	159					36		242	278

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.60					0.90
SOUTHBOUND	0.78	0.82				0.93	0.92
WESTBOUND	0.49					0.91	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND		10.4%	5.1%	7.6%						0.7%	2.3%
SOUTHBOUND	1.9%	6.0%		3.4%					0.6%	1.4%		1.1%
WESTBOUND	7.1%		3.4%	5.0%					2.8%		0.4%	0.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	33	142	175		47	47	222
7:00 AM	TO	8:00 AM	151	490	641		164	164	805
8:00 AM	TO	9:00 AM	52	182	234		61	61	295
2:00 PM	TO	3:00 PM	187	274	461		161	161	622
3:00 PM	TO	4:00 PM	258	287	545		208	208	753
4:00 PM	TO	5:00 PM	311	304	615		223	223	838
5:00 PM	TO	6:00 PM	362	378	740		264	264	1004
TOTAL VOLUME			1354	2057	3411		1128	1128	4539
PERCENTAGE			29.8%	45.3%	75.1%		24.9%	24.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
206th St & Hague Rd (#178)  
9/27/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				20	1	21	9	3	12	29	4	33
7:00 AM - 8:00 AM				71	7	78	70	3	73	141	10	151
8:00 AM - 9:00 AM				34	5	39	13	0	13	47	5	52
PM TIME PERIOD												
2:00 PM - 3:00 PM				136	17	153	29	5	34	165	22	187
3:00 PM - 4:00 PM				194	6	200	57	1	58	251	7	258
4:00 PM - 5:00 PM				242	4	246	63	2	65	305	6	311
5:00 PM - 6:00 PM				276	1	277	83	2	85	359	3	362
PASSENGER				973 96.0%			324 95.3%			1297 95.8%		
TRUCK				41 4.0%			16 4.7%			57 4.2%		
BOTH				1014 74.9%			340 25.1%			1354 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	81	1	82	59	1	60				140	2	142
7:00 AM - 8:00 AM	300	6	306	172	12	184				472	18	490
8:00 AM - 9:00 AM	87	2	89	91	2	93				178	4	182
PM TIME PERIOD												
2:00 PM - 3:00 PM	137	1	138	132	4	136				269	5	274
3:00 PM - 4:00 PM	120	8	128	150	9	159				270	17	287
4:00 PM - 5:00 PM	133	6	139	164	1	165				297	7	304
5:00 PM - 6:00 PM	173	0	173	203	2	205				376	2	378
PASSENGER	1031 97.7%			971 96.9%						2002 97.3%		
TRUCK	24 2.3%			31 3.1%						55 2.7%		
BOTH	1055 51.3%			1002 48.7%						2057 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	11	3	14				32	1	33	43	4	47
7:00 AM - 8:00 AM	77	3	80				77	7	84	154	10	164
8:00 AM - 9:00 AM	30	1	31				30	0	30	60	1	61
PM TIME PERIOD												
2:00 PM - 3:00 PM	26	5	31				125	5	130	151	10	161
3:00 PM - 4:00 PM	20	1	21				186	1	187	206	2	208
4:00 PM - 5:00 PM	28	2	30				191	2	193	219	4	223
5:00 PM - 6:00 PM	33	0	33				231	0	231	264	0	264
PASSENGER	225 93.8%						872 98.2%			1097 97.3%		
TRUCK	15 6.3%						16 1.8%			31 2.7%		
BOTH	240 21.3%						888 78.7%			1128 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
206th St & James Rd (#179)  
10/8/2012  
ME

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	2	0	4	6					4	0	5	9
SOUTHBOUND	5	0	0	5					3	2	0	5
EASTBOUND	0	369	1	370					0	253	3	256
WESTBOUND	7	107	1	115					4	274	7	285

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.75				0.56	
SOUTHBOUND	0.42	0.90			0.63	0.93
EASTBOUND	0.86				0.81	
WESTBOUND	0.74				0.89	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	50.0%	0.0%	0.0%	16.7%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	20.0%	0.0%	0.0%	20.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	1.4%	0.0%	1.4%					0.0%	1.2%	0.0%	1.2%
WESTBOUND	0.0%	5.6%	0.0%	5.2%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0	0	0	114	41	155	155
7:00 AM	TO	8:00 AM	6	5	11	370	115	485	496
8:00 AM	TO	9:00 AM	2	0	2	110	48	158	160
2:00 PM	TO	3:00 PM	5	0	5	154	193	347	352
3:00 PM	TO	4:00 PM	5	1	6	189	212	401	407
4:00 PM	TO	5:00 PM	5	3	8	209	248	457	465
5:00 PM	TO	6:00 PM	10	4	14	255	252	507	521
TOTAL VOLUME			33	13	46	1401	1109	2510	2556
PERCENTAGE			1.3%	0.5%	1.8%	54.8%	43.4%	98.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
206th St & James Rd (#179)  
10/8/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	1	1	2	0	0	0	4	0	4	5	1	6
8:00 AM - 9:00 AM	0	0	0	0	1	1	0	1	1	0	2	2
PM TIME PERIOD												
2:00 PM - 3:00 PM	1	1	2	1	0	1	2	0	2	4	1	5
3:00 PM - 4:00 PM	3	0	3	0	0	0	1	1	2	4	1	5
4:00 PM - 5:00 PM	1	1	2	0	0	0	3	0	3	4	1	5
5:00 PM - 6:00 PM	4	0	4	0	0	0	6	0	6	10	0	10
PASSENGER	10 76.9%			1 50.0%			16 88.9%			27 81.8%		
TRUCK	3 23.1%			1 50.0%			2 11.1%			6 18.2%		
BOTH	13 39.4%			2 6.1%			18 54.5%			33 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	4	1	5	0	0	0	0	0	0	4	1	5
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
2:00 PM - 3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM - 4:00 PM	1	0	1	0	0	0	0	0	0	1	0	1
4:00 PM - 5:00 PM	1	0	1	2	0	2	0	0	0	3	0	3
5:00 PM - 6:00 PM	3	0	3	1	0	1	0	0	0	4	0	4
PASSENGER	9 90.0%			3 100.0%			#DIV/0! #DIV/0!			12 92.3%		
TRUCK	1 10.0%			0 0.0%			0 #DIV/0!			1 7.7%		
BOTH	10 76.9%			3 23.1%			0 0.0%			13 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	113	1	114	0	0	0	113	1	114
7:00 AM - 8:00 AM	0	0	0	364	5	369	1	0	1	365	5	370
8:00 AM - 9:00 AM	0	0	0	108	2	110	0	0	0	108	2	110
PM TIME PERIOD												
2:00 PM - 3:00 PM	0	0	0	145	6	151	2	1	3	147	7	154
3:00 PM - 4:00 PM	1	0	1	180	6	186	2	0	2	183	6	189
4:00 PM - 5:00 PM	0	0	0	201	7	208	1	0	1	202	7	209
5:00 PM - 6:00 PM	0	0	0	247	3	250	5	0	5	252	3	255
PASSENGER	1 100.0%			1358 97.8%			11 91.7%			1370 97.8%		
TRUCK	0 0.0%			30 2.2%			1 8.3%			31 2.2%		
BOTH	1 0.1%			1388 99.1%			12 0.9%			1401 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	33	6	39	0	0	0	35	6	41
7:00 AM - 8:00 AM	7	0	7	101	6	107	1	0	1	109	6	115
8:00 AM - 9:00 AM	0	0	0	46	2	48	0	0	0	46	2	48
PM TIME PERIOD												
2:00 PM - 3:00 PM	2	0	2	179	9	188	3	0	3	184	9	193
3:00 PM - 4:00 PM	4	0	4	204	2	206	2	0	2	210	2	212
4:00 PM - 5:00 PM	5	0	5	236	1	237	6	0	6	247	1	248
5:00 PM - 6:00 PM	3	0	3	245	0	245	4	0	4	252	0	252
PASSENGER	23 100.0%			1044 97.6%			16 100.0%			1083 97.7%		
TRUCK	0 0.0%			26 2.4%			0 0.0%			26 2.3%		
BOTH	23 2.1%			1070 96.5%			16 1.4%			1109 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
206th St & SR 19 (#180)  
9/11/2012  
AJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	21	130	16	167					112	419	52
SOUTHBOUND	138	411	23	572					113	233	13	359
EASTBOUND	27	230	136	393					31	147	71	249
WESTBOUND	66	75	37	178					35	148	120	303

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.85	0.93			0.94
SOUTHBOUND	0.78				0.89	
EASTBOUND	0.76				0.81	
WESTBOUND	0.78				0.87	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	9.5%	4.6%	0.0%	4.8%					0.0%	0.5%	0.0%
SOUTHBOUND	0.7%	0.7%	8.7%	1.0%					1.8%	0.9%	0.0%	1.1%
EASTBOUND	0.0%	1.7%	2.9%	2.0%					0.0%	0.7%	0.0%	0.4%
WESTBOUND	4.5%	4.0%	0.0%	3.4%					2.9%	0.0%	1.7%	1.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	57	266	323	120	65	185	508
7:00 AM	TO	8:00 AM	167	572	739	393	178	571	1310
8:00 AM	TO	9:00 AM	79	215	294	119	74	193	487
2:00 PM	TO	3:00 PM	320	277	597	149	203	352	949
3:00 PM	TO	4:00 PM	401	325	726	191	272	463	1189
4:00 PM	TO	5:00 PM	491	331	822	210	293	503	1325
5:00 PM	TO	6:00 PM	558	340	898	247	324	571	1469
TOTAL VOLUME			2073	2326	4399	1429	1409	2838	7237
PERCENTAGE			28.6%	32.1%	60.8%	19.7%	19.5%	39.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
206th St & SR 19 (#180)  
9/11/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	3	5	8	42	1	43	6	0	6	51	6	57
7:00 AM - 8:00 AM	19	2	21	124	6	130	16	0	16	159	8	167
8:00 AM - 9:00 AM	8	0	8	51	6	57	14	0	14	73	6	79
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	66	2	68	217	8	225	27	0	27	310	10	320
3:00 PM - 4:00 PM	79	1	80	276	4	280	39	2	41	394	7	401
4:00 PM - 5:00 PM	88	1	89	360	4	364	38	0	38	486	5	491
5:00 PM - 6:00 PM	112	0	112	391	1	392	54	0	54	557	1	558
<b>PASSENGER</b>	375 97.2%			1461 98.0%			194 99.0%			2030 97.9%		
<b>TRUCK</b>	11 2.8%			30 2.0%			2 1.0%			43 2.1%		
<b>BOTH</b>	386 18.6%			1491 71.9%			196 9.5%			2073 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	63	2	65	192	2	194	7	0	7	262	4	266
7:00 AM - 8:00 AM	137	1	138	408	3	411	21	2	23	566	6	572
8:00 AM - 9:00 AM	58	2	60	144	2	146	9	0	9	211	4	215
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	57	4	61	195	7	202	13	1	14	265	12	277
3:00 PM - 4:00 PM	76	1	77	219	7	226	20	2	22	315	10	325
4:00 PM - 5:00 PM	90	1	91	223	4	227	13	0	13	326	5	331
5:00 PM - 6:00 PM	102	2	104	220	2	222	14	0	14	336	4	340
<b>PASSENGER</b>	583 97.8%			1601 98.3%			97 95.1%			2281 98.1%		
<b>TRUCK</b>	13 2.2%			27 1.7%			5 4.9%			45 1.9%		
<b>BOTH</b>	596 25.6%			1628 70.0%			102 4.4%			2326 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	4	0	4	70	1	71	44	1	45	118	2	120
7:00 AM - 8:00 AM	27	0	27	226	4	230	132	4	136	385	8	393
8:00 AM - 9:00 AM	11	0	11	71	2	73	33	2	35	115	4	119
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	15	0	15	89	5	94	39	1	40	143	6	149
3:00 PM - 4:00 PM	18	1	19	112	6	118	47	7	54	177	14	191
4:00 PM - 5:00 PM	31	1	32	119	2	121	53	4	57	203	7	210
5:00 PM - 6:00 PM	31	0	31	149	0	149	67	0	67	247	0	247
<b>PASSENGER</b>	137 98.6%			836 97.7%			415 95.6%			1388 97.1%		
<b>TRUCK</b>	2 1.4%			20 2.3%			19 4.4%			41 2.9%		
<b>BOTH</b>	139 9.7%			856 59.9%			434 30.4%			1429 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	22	2	24	26	0	26	13	2	15	61	4	65
7:00 AM - 8:00 AM	63	3	66	72	3	75	37	0	37	172	6	178
8:00 AM - 9:00 AM	17	0	17	35	1	36	20	1	21	72	2	74
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	28	6	34	93	3	96	71	2	73	192	11	203
3:00 PM - 4:00 PM	25	2	27	124	2	126	114	5	119	263	9	272
4:00 PM - 5:00 PM	45	2	47	133	1	134	111	1	112	289	4	293
5:00 PM - 6:00 PM	37	0	37	164	0	164	121	2	123	322	2	324
<b>PASSENGER</b>	237 94.0%			647 98.5%			487 97.4%			1371 97.3%		
<b>TRUCK</b>	15 6.0%			10 1.5%			13 2.6%			38 2.7%		
<b>BOTH</b>	252 17.9%			657 46.6%			500 35.5%			1409 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 Edith Rd. & 206th St. (#181)  
 6/28/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	8		2	10					5		3	8
EASTBOUND		270	7	277						306	11	317
WESTBOUND	0	149		149					1	294		295

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.50				0.67	
EASTBOUND	0.80	0.85			0.88	0.93
WESTBOUND	0.85				0.86	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	12.5%		0.0%	10.0%					0.0%		0.0%	0.0%
EASTBOUND		1.5%	28.6%	2.2%						1.3%	0.0%	1.3%
WESTBOUND	0.0%	1.3%		1.3%					0.0%	0.7%		0.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	5		5	174	76	250	255
7:00 AM	TO	8:00 AM	12		12	276	143	419	431
8:00 AM	TO	9:00 AM	4		4	209	121	330	334
3:00 PM	TO	4:00 PM	6		6	106	120	226	232
4:00 PM	TO	5:00 PM	5		5	273	291	564	569
5:00 PM	TO	6:00 PM	8		8	309	294	603	611
6:00 PM	TO	7:00 PM	4		4	135	128	263	267
TOTAL VOLUME			44		44	1482	1173	2655	2699
PERCENTAGE			1.6%		1.6%	54.9%	43.5%	98.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Edith Rd. & 206th St. (#181)  
6/28/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	4	0	4				1	0	1	5	0	5
7:00 AM - 8:00 AM	10	1	11				1	0	1	11	1	12
8:00 AM - 9:00 AM	3	0	3				1	0	1	4	0	4
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	4	0	4				2	0	2	6	0	6
4:00 PM - 5:00 PM	4	0	4				1	0	1	5	0	5
5:00 PM - 6:00 PM	5	0	5				3	0	3	8	0	8
6:00 PM - 7:00 PM	3	0	3				1	0	1	4	0	4
<b>PASSENGER</b>	33 97.1%						10 100.0%			43 97.7%		
<b>TRUCK</b>	1 2.9%						0 0.0%			1 2.3%		
<b>BOTH</b>	34 77.3%						10 22.7%			44 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				171	1	172	2	0	2	173	1	174
7:00 AM - 8:00 AM				267	3	270	4	2	6	271	5	276
8:00 AM - 9:00 AM				199	3	202	7	0	7	206	3	209
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				99	4	103	3	0	3	102	4	106
4:00 PM - 5:00 PM				265	2	267	6	0	6	271	2	273
5:00 PM - 6:00 PM				296	5	301	8	0	8	304	5	309
6:00 PM - 7:00 PM				129	0	129	6	0	6	135	0	135
<b>PASSENGER</b>				1426 98.8%			36 94.7%			1462 98.7%		
<b>TRUCK</b>				18 1.2%			2 5.3%			20 1.3%		
<b>BOTH</b>				1444 97.4%			38 2.6%			1482 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	74	2	76				74	2	76
7:00 AM - 8:00 AM	0	0	0	142	1	143				142	1	143
8:00 AM - 9:00 AM	0	0	0	116	5	121				116	5	121
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	119	1	120				119	1	120
4:00 PM - 5:00 PM	1	0	1	282	8	290				283	8	291
5:00 PM - 6:00 PM	0	0	0	291	3	294				291	3	294
6:00 PM - 7:00 PM	2	0	2	126	0	126				128	0	128
<b>PASSENGER</b>	3 100.0%			1150 98.3%						1153 98.3%		
<b>TRUCK</b>	0 0.0%			20 1.7%						20 1.7%		
<b>BOTH</b>	3 0.3%			1170 99.7%						1173 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 Cumberland Rd. & 206th St. (#182)  
 6/28/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	44	42	3	89					151	118	21	290
SOUTHBOUND	15	108	4	127					18	65	3	86
EASTBOUND	2	120	193	315					29	159	114	302
WESTBOUND	8	93	7	108					2	163	33	198

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.72	0.87			0.92	0.97
SOUTHBOUND	0.77				0.83	
EASTBOUND	0.89				0.97	
WESTBOUND	0.84				0.80	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	2.3%	0.0%	0.0%	1.1%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	1.0%	0.6%					0.0%	1.3%	0.9%	1.0%
WESTBOUND	0.0%	2.2%	0.0%	1.9%					0.0%	0.6%	0.0%	0.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	37	64	101	217	71	288	389
7:00 AM	TO	8:00 AM	89	127	216	315	108	423	639
8:00 AM	TO	9:00 AM	90	63	153	242	108	350	503
3:00 PM	TO	4:00 PM	98	38	136	109	76	185	321
4:00 PM	TO	5:00 PM	259	69	328	251	162	413	741
5:00 PM	TO	6:00 PM	290	86	376	302	198	500	876
6:00 PM	TO	7:00 PM	106	61	167	121	83	204	371
TOTAL VOLUME			969	508	1477	1557	806	2363	3840
PERCENTAGE			25.2%	13.2%	38.5%	40.5%	21.0%	61.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Cumberland Rd. & 206th St. (#182)  
6/28/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	13	0	13	20	0	20	4	0	4	37	0	37
7:00 AM - 8:00 AM	43	1	44	42	0	42	3	0	3	88	1	89
8:00 AM - 9:00 AM	34	1	35	49	0	49	6	0	6	89	1	90
PM TIME PERIOD												
3:00 PM - 4:00 PM	43	1	44	49	0	49	5	0	5	97	1	98
4:00 PM - 5:00 PM	133	2	135	112	2	114	10	0	10	255	4	259
5:00 PM - 6:00 PM	151	0	151	118	0	118	21	0	21	290	0	290
6:00 PM - 7:00 PM	63	0	63	43	0	43	0	0	0	106	0	106
PASSENGER	480 99.0%			433 99.5%			49 100.0%			962 99.3%		
TRUCK	5 1.0%			2 0.5%			0 0.0%			7 0.7%		
BOTH	485 50.1%			435 44.9%			49 5.1%			969 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	8	0	8	52	0	52	4	0	4	64	0	64
7:00 AM - 8:00 AM	15	0	15	108	0	108	4	0	4	127	0	127
8:00 AM - 9:00 AM	9	0	9	48	3	51	3	0	3	60	3	63
PM TIME PERIOD												
3:00 PM - 4:00 PM	7	0	7	24	1	25	6	0	6	37	1	38
4:00 PM - 5:00 PM	15	1	16	45	1	46	7	0	7	67	2	69
5:00 PM - 6:00 PM	18	0	18	65	0	65	3	0	3	86	0	86
6:00 PM - 7:00 PM	6	0	6	43	0	43	12	0	12	61	0	61
PASSENGER	78 98.7%			385 98.7%			39 100.0%			502 98.8%		
TRUCK	1 1.3%			5 1.3%			0 0.0%			6 1.2%		
BOTH	79 15.6%			390 76.8%			39 7.7%			508 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	76	3	79	136	0	136	214	3	217
7:00 AM - 8:00 AM	2	0	2	120	0	120	191	2	193	313	2	315
8:00 AM - 9:00 AM	5	0	5	94	2	96	141	0	141	240	2	242
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	56	2	58	49	0	49	107	2	109
4:00 PM - 5:00 PM	12	0	12	128	1	129	110	0	110	250	1	251
5:00 PM - 6:00 PM	29	0	29	157	2	159	113	1	114	299	3	302
6:00 PM - 7:00 PM	11	0	11	62	1	63	47	0	47	120	1	121
PASSENGER	63 100.0%			693 98.4%			787 99.6%			1543 99.1%		
TRUCK	0 0.0%			11 1.6%			3 0.4%			14 0.9%		
BOTH	63 4.0%			704 45.2%			790 50.7%			1557 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	63	2	65	3	0	3	69	2	71
7:00 AM - 8:00 AM	8	0	8	91	2	93	7	0	7	106	2	108
8:00 AM - 9:00 AM	8	0	8	89	4	93	7	0	7	104	4	108
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	64	1	65	8	0	8	75	1	76
4:00 PM - 5:00 PM	5	0	5	140	2	142	15	0	15	160	2	162
5:00 PM - 6:00 PM	2	0	2	162	1	163	33	0	33	197	1	198
6:00 PM - 7:00 PM	7	0	7	69	1	70	6	0	6	82	1	83
PASSENGER	36 100.0%			678 98.1%			79 100.0%			793 98.4%		
TRUCK	0 0.0%			13 1.9%			0 0.0%			13 1.6%		
BOTH	36 4.5%			691 85.7%			79 9.8%			806 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

Noblesville  
 Overdorf & 206th (#183)  
 6/25-26/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	3	0	0	3					1	4	1	6
SOUTHBOUND	10	7	5	22					11	6	7	24
EASTBOUND	4	128	1	133					15	193	7	215
WESTBOUND	0	135	7	142					1	193	12	206

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.75	0.82			0.50	0.89
SOUTHBOUND	0.79				0.75	
EASTBOUND	0.74				0.79	
WESTBOUND	0.83				0.97	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	20.0%	4.5%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	5.5%	0.0%	5.3%					0.0%	1.0%	0.0%	0.9%
WESTBOUND	0.0%	11.1%	0.0%	10.6%					0.0%	1.6%	0.0%	1.5%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	5	18	23	68	79	147	170
7:00 AM	TO	8:00 AM	2	21	23	138	137	275	298
8:00 AM	TO	9:00 AM	4	27	31	97	103	200	231
3:00 PM	TO	4:00 PM	3	9	12	67	67	134	146
4:00 PM	TO	5:00 PM	5	16	21	156	155	311	332
5:00 PM	TO	6:00 PM	4	22	26	208	205	413	439
6:00 PM	TO	7:00 PM	3	9	12	91	98	189	201
TOTAL VOLUME			26	122	148	825	844	1669	1817
PERCENTAGE			1.4%	6.7%	8.1%	45.4%	46.5%	91.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Overdorf & 206th (#183)  
6/25-26/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	3	0	3	1	0	1	5	0	5
7:00 AM - 8:00 AM	2	0	2	0	0	0	0	0	0	2	0	2
8:00 AM - 9:00 AM	1	0	1	1	0	1	2	0	2	4	0	4
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	3	0	3	0	0	0	3	0	3
4:00 PM - 5:00 PM	0	0	0	4	0	4	1	0	1	5	0	5
5:00 PM - 6:00 PM	0	0	0	3	0	3	1	0	1	4	0	4
6:00 PM - 7:00 PM	1	0	1	2	0	2	0	0	0	3	0	3
PASSENGER	5 100.0%			16 100.0%			5 100.0%			26 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	5 19.2%			16 61.5%			5 19.2%			26 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	9	0	9	3	0	3	6	0	6	18	0	18
7:00 AM - 8:00 AM	12	1	13	4	0	4	3	1	4	19	2	21
8:00 AM - 9:00 AM	12	4	16	5	0	5	6	0	6	23	4	27
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	1	2	1	1	2	5	0	5	7	2	9
4:00 PM - 5:00 PM	2	0	2	5	1	6	8	0	8	15	1	16
5:00 PM - 6:00 PM	10	0	10	6	0	6	6	0	6	22	0	22
6:00 PM - 7:00 PM	2	0	2	3	0	3	4	0	4	9	0	9
PASSENGER	48 88.9%			27 93.1%			38 97.4%			113 92.6%		
TRUCK	6 11.1%			2 6.9%			1 2.6%			9 7.4%		
BOTH	54 44.3%			29 23.8%			39 32.0%			122 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	64	4	68	0	0	0	64	4	68
7:00 AM - 8:00 AM	5	0	5	128	4	132	1	0	1	134	4	138
8:00 AM - 9:00 AM	2	0	2	87	8	95	0	0	0	89	8	97
PM TIME PERIOD												
3:00 PM - 4:00 PM	4	1	5	60	2	62	0	0	0	64	3	67
4:00 PM - 5:00 PM	17	0	17	138	1	139	0	0	0	155	1	156
5:00 PM - 6:00 PM	17	0	17	184	3	187	4	0	4	205	3	208
6:00 PM - 7:00 PM	4	0	4	82	1	83	4	0	4	90	1	91
PASSENGER	49 98.0%			743 97.0%			9 100.0%			801 97.1%		
TRUCK	1 2.0%			23 3.0%			0 0.0%			24 2.9%		
BOTH	50 6.1%			766 92.8%			9 1.1%			825 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	74	3	77	1	0	1	76	3	79
7:00 AM - 8:00 AM	0	0	0	117	12	129	8	0	8	125	12	137
8:00 AM - 9:00 AM	0	0	0	88	8	96	3	4	7	91	12	103
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	51	5	56	9	0	9	62	5	67
4:00 PM - 5:00 PM	3	0	3	140	3	143	9	0	9	152	3	155
5:00 PM - 6:00 PM	2	0	2	188	4	192	11	0	11	201	4	205
6:00 PM - 7:00 PM	0	0	0	94	1	95	3	0	3	97	1	98
PASSENGER	8 100.0%			752 95.4%			44 91.7%			804 95.3%		
TRUCK	0 0.0%			36 4.6%			8 8.3%			40 4.7%		
BOTH	8 0.9%			788 93.4%			48 5.7%			844 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
Riverwood Ave & 206th Street (#184)  
4/19/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0	3	7	10					0	28	10
SOUTHBOUND	25	14	6	45					36	15	9	60
EASTBOUND	2	140	0	142					18	165	3	186
WESTBOUND	4	97	21	122					5	170	36	211

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.63				0.86
SOUTHBOUND	0.87	0.95			0.79	0.95
EASTBOUND	0.77				0.89	
WESTBOUND	0.78				0.94	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	28.6%	10.0%
SOUTHBOUND	16.0%	35.7%	16.7%	22.2%					2.8%	6.7%	11.1%	5.0%
EASTBOUND	50.0%	5.0%	0.0%	5.6%					5.6%	5.5%	0.0%	5.4%
WESTBOUND	0.0%	1.0%	9.5%	2.5%					0.0%	2.4%	8.3%	3.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	10	38	48	75	62	137	185
7:00 AM	TO	8:00 AM	10	45	55	142	122	264	319
8:00 AM	TO	9:00 AM	13	28	41	124	97	221	262
3:00 PM	TO	4:00 PM	9	19	28	67	93	160	188
4:00 PM	TO	5:00 PM	21	50	71	140	200	340	411
5:00 PM	TO	6:00 PM	35	57	92	174	209	383	475
6:00 PM	TO	7:00 PM	14	25	39	62	90	152	191
TOTAL VOLUME			112	262	374	784		1657	2031
PERCENTAGE			5.5%	12.9%	18.4%	38.6%		81.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Riverwood Ave & 206th Street (#184)  
4/19/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1	2	2	4	5	0	5	7	3	10
7:00 AM - 8:00 AM	0	0	0	3	0	3	7	0	7	10	0	10
8:00 AM - 9:00 AM	0	0	0	6	1	7	6	0	6	12	1	13
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	4	2	6	2	0	2	7	2	9
4:00 PM - 5:00 PM	0	0	0	6	9	15	5	1	6	11	10	21
5:00 PM - 6:00 PM	0	0	0	23	4	27	8	0	8	31	4	35
6:00 PM - 7:00 PM	0	0	0	13	0	13	1	0	1	14	0	14
PASSENGER	1 50.0%			57 76.0%			34 97.1%			92 82.1%		
TRUCK	1 50.0%			18 24.0%			1 2.9%			20 17.9%		
BOTH	2 1.8%			75 67.0%			35 31.3%			112 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	29	0	29	5	0	5	3	1	4	37	1	38
7:00 AM - 8:00 AM	21	4	25	9	5	14	5	1	6	35	10	45
8:00 AM - 9:00 AM	15	3	18	3	4	7	3	0	3	21	7	28
PM TIME PERIOD												
3:00 PM - 4:00 PM	13	0	13	1	0	1	4	1	5	18	1	19
4:00 PM - 5:00 PM	28	2	30	13	2	15	5	0	5	46	4	50
5:00 PM - 6:00 PM	31	1	32	16	1	17	7	1	8	54	3	57
6:00 PM - 7:00 PM	17	1	18	4	0	4	3	0	3	24	1	25
PASSENGER	154 93.3%			51 81.0%			30 88.2%			235 89.7%		
TRUCK	11 6.7%			12 19.0%			4 11.8%			27 10.3%		
BOTH	165 63.0%			63 24.0%			34 13.0%			262 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	72	2	74	0	0	0	73	2	75
7:00 AM - 8:00 AM	1	1	2	133	7	140	0	0	0	134	8	142
8:00 AM - 9:00 AM	2	1	3	116	2	118	2	1	3	120	4	124
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	61	3	64	1	0	1	64	3	67
4:00 PM - 5:00 PM	9	4	13	121	5	126	0	1	1	130	10	140
5:00 PM - 6:00 PM	12	0	12	151	8	159	3	0	3	166	8	174
6:00 PM - 7:00 PM	1	1	2	58	1	59	1	0	1	60	2	62
PASSENGER	28 80.0%			712 96.2%			7 77.8%			747 95.3%		
TRUCK	7 20.0%			28 3.8%			2 22.2%			37 4.7%		
BOTH	35 4.5%			740 94.4%			9 1.1%			784 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	43	1	44	18	0	18	61	1	62
7:00 AM - 8:00 AM	4	0	4	96	1	97	19	2	21	119	3	122
8:00 AM - 9:00 AM	0	0	0	72	7	79	18	0	18	90	7	97
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	1	3	68	6	74	14	2	16	84	9	93
4:00 PM - 5:00 PM	4	0	4	154	10	164	31	1	32	189	11	200
5:00 PM - 6:00 PM	4	0	4	165	2	167	35	3	38	204	5	209
6:00 PM - 7:00 PM	2	0	2	78	2	80	6	2	8	86	4	90
PASSENGER	16 94.1%			676 95.9%			141 93.4%			833 95.4%		
TRUCK	1 5.9%			29 4.1%			10 6.6%			40 4.6%		
BOTH	17 1.9%			705 80.8%			151 17.3%			873 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
SR 37 & 206th St (#185)  
8/22/2012 & 9/10/12  
KDP & AJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	69	279	9	357					130	501	40
SOUTHBOUND	0	520	52	572					1	321	34	356
EASTBOUND	31	33	133	197					47	45	93	185
WESTBOUND	49	33	3	85					40	38	2	80

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.78					0.86
SOUTHBOUND	0.83	0.89				0.84	0.95
EASTBOUND	0.82					0.91	
WESTBOUND	0.85					0.74	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	5.8%	6.5%	22.2%	6.7%					3.8%	1.6%	7.5%
SOUTHBOUND	0.0%	2.5%	1.9%	2.4%					100.0%	6.2%	8.8%	6.7%
EASTBOUND	0.0%	0.0%	6.8%	4.6%					4.3%	0.0%	3.2%	2.7%
WESTBOUND	0.0%	3.0%	33.3%	2.4%					2.5%	5.3%	0.0%	3.8%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	197	510	707	167	59	226	933
7:00 AM	TO	8:00 AM	347	580	927	187	80	267	1194
8:00 AM	TO	9:00 AM	279	410	689	130	56	186	875
3:00 PM	TO	4:00 PM	262	166	428	92	24	116	544
4:00 PM	TO	5:00 PM	638	364	1002	167	75	242	1244
5:00 PM	TO	6:00 PM	710	341	1051	171	66	237	1288
6:00 PM	TO	7:00 PM	265	158	423	76	31	107	530
TOTAL VOLUME			2698	2529	5227	990	391	1381	6608
PERCENTAGE			40.8%	38.3%	79.1%	15.0%	5.9%	20.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
SR 37 & 206th St (#185)  
8/22/2012 & 9/10/12

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	27	0	27	142	19	161	7	2	9	176	21	197
7:00 AM - 8:00 AM	65	4	69	250	18	268	9	1	10	324	23	347
8:00 AM - 9:00 AM	50	5	55	189	21	210	14	0	14	253	26	279
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	58	5	63	174	11	185	13	1	14	245	17	262
4:00 PM - 5:00 PM	121	6	127	461	12	473	35	3	38	617	21	638
5:00 PM - 6:00 PM	154	3	157	485	10	495	56	2	58	695	15	710
6:00 PM - 7:00 PM	65	1	66	179	5	184	13	2	15	257	8	265
<b>PASSENGER</b>	540 95.7%			1880 95.1%			147 93.0%			2567 95.1%		
<b>TRUCK</b>	24 4.3%			96 4.9%			11 7.0%			131 4.9%		
<b>BOTH</b>	564 20.9%			1976 73.2%			158 5.9%			2698 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	458	17	475	35	0	35	493	17	510
7:00 AM - 8:00 AM	0	0	0	518	14	532	45	3	48	563	17	580
8:00 AM - 9:00 AM	1	3	4	341	26	367	38	1	39	380	30	410
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	1	0	1	140	13	153	12	0	12	153	13	166
4:00 PM - 5:00 PM	0	0	0	303	19	322	39	3	42	342	22	364
5:00 PM - 6:00 PM	1	1	2	290	17	307	32	0	32	323	18	341
6:00 PM - 7:00 PM	1	0	1	133	10	143	13	1	14	147	11	158
<b>PASSENGER</b>	4 50.0%			2183 95.0%			214 96.4%			2401 94.9%		
<b>TRUCK</b>	4 50.0%			116 5.0%			8 3.6%			128 5.1%		
<b>BOTH</b>	8 0.3%			2299 90.9%			222 8.8%			2529 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	24	0	24	28	0	28	110	5	115	162	5	167
7:00 AM - 8:00 AM	27	1	28	29	0	29	120	10	130	176	11	187
8:00 AM - 9:00 AM	10	0	10	22	0	22	95	3	98	127	3	130
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	18	1	19	21	1	22	48	3	51	87	5	92
4:00 PM - 5:00 PM	49	2	51	26	0	26	83	7	90	158	9	167
5:00 PM - 6:00 PM	44	0	44	45	0	45	81	1	82	170	1	171
6:00 PM - 7:00 PM	26	0	26	14	0	14	36	0	36	76	0	76
<b>PASSENGER</b>	198 98.0%			185 99.5%			573 95.2%			956 96.6%		
<b>TRUCK</b>	4 2.0%			1 0.5%			29 4.8%			34 3.4%		
<b>BOTH</b>	202 20.4%			186 18.8%			602 60.8%			990 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	30	1	31	27	0	27	0	1	1	57	2	59
7:00 AM - 8:00 AM	44	0	44	33	1	34	2	0	2	79	1	80
8:00 AM - 9:00 AM	35	3	38	14	0	14	4	0	4	53	3	56
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	8	1	9	15	0	15	0	0	0	23	1	24
4:00 PM - 5:00 PM	35	2	37	32	3	35	2	1	3	69	6	75
5:00 PM - 6:00 PM	32	1	33	30	3	33	0	0	0	62	4	66
6:00 PM - 7:00 PM	13	1	14	13	1	14	3	0	3	29	2	31
<b>PASSENGER</b>	197 95.6%			164 95.3%			11 84.6%			372 95.1%		
<b>TRUCK</b>	9 4.4%			8 4.7%			2 15.4%			19 4.9%		
<b>BOTH</b>	206 52.7%			172 44.0%			13 3.3%			391 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
206th St & Creek Rd (#186)  
8/30/12 & 9/7/12  
KDP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1	2	0	3					5	3	0
SOUTHBOUND	1	0	9	10					3	4	20	27
EASTBOUND	10	33	0	43					10	57	3	70
WESTBOUND	1	41	1	43					0	36	1	37

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.75					0.67
SOUTHBOUND	0.50	0.67				0.68	0.93
EASTBOUND	0.72					0.80	
WESTBOUND	0.63					0.71	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%
SOUTHBOUND	100.0%	0.0%	44.4%	50.0%					33.3%	0.0%	15.0%	14.8%
EASTBOUND	40.0%	6.1%	0.0%	14.0%					40.0%	5.3%	33.3%	11.4%
WESTBOUND	100.0%	0.0%	0.0%	2.3%					0.0%	5.6%	0.0%	5.4%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	2	5	7	29	29	58	65
7:00 AM	TO	8:00 AM	3	10	13	43	43	86	99
8:00 AM	TO	9:00 AM	3	7	10	23	19	42	52
3:00 PM	TO	4:00 PM	7	9	16	20	18	38	54
4:00 PM	TO	5:00 PM	8	27	35	70	37	107	142
5:00 PM	TO	6:00 PM	7	19	26	58	40	98	124
6:00 PM	TO	7:00 PM	3	5	8	31	17	48	56
TOTAL VOLUME			33	82	115	274	203	477	592
PERCENTAGE			5.6%	13.9%	19.4%	46.3%	34.3%	80.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
206th St & Creek Rd (#186)  
8/30/12 & 9/7/12

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	1	0	1	0	0	0	2	0	2
7:00 AM - 8:00 AM	1	0	1	2	0	2	0	0	0	3	0	3
8:00 AM - 9:00 AM	2	0	2	1	0	1	0	0	0	3	0	3
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	2	4	3	0	3	0	0	0	5	2	7
4:00 PM - 5:00 PM	5	0	5	3	0	3	0	0	0	8	0	8
5:00 PM - 6:00 PM	4	0	4	2	0	2	1	0	1	7	0	7
6:00 PM - 7:00 PM	3	0	3	0	0	0	0	0	0	3	0	3
PASSENGER	18 90.0%			12 100.0%			1 100.0%			31 93.9%		
TRUCK	2 10.0%			0 0.0%			0 0.0%			2 6.1%		
BOTH	20 60.6%			12 36.4%			1 3.0%			33 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	2	0	2	2	1	3	4	1	5
7:00 AM - 8:00 AM	0	1	1	0	0	0	5	4	9	5	5	10
8:00 AM - 9:00 AM	0	0	0	1	0	1	3	3	6	4	3	7
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	2	1	3	5	0	5	8	1	9
4:00 PM - 5:00 PM	2	1	3	4	0	4	17	3	20	23	4	27
5:00 PM - 6:00 PM	3	0	3	3	0	3	13	0	13	19	0	19
6:00 PM - 7:00 PM	1	0	1	1	0	1	2	1	3	4	1	5
PASSENGER	7 77.8%			13 92.9%			47 79.7%			67 81.7%		
TRUCK	2 22.2%			1 7.1%			12 20.3%			15 18.3%		
BOTH	9 11.0%			14 17.1%			59 72.0%			82 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	15	1	16	11	0	11	1	1	2	27	2	29
7:00 AM - 8:00 AM	6	4	10	31	2	33	0	0	0	37	6	43
8:00 AM - 9:00 AM	2	5	7	13	0	13	2	1	3	17	6	23
PM TIME PERIOD												
3:00 PM - 4:00 PM	8	1	9	11	0	11	0	0	0	19	1	20
4:00 PM - 5:00 PM	6	4	10	54	3	57	2	1	3	62	8	70
5:00 PM - 6:00 PM	6	1	7	47	0	47	4	0	4	57	1	58
6:00 PM - 7:00 PM	0	1	1	29	0	29	1	0	1	30	1	31
PASSENGER	43 71.7%			196 97.5%			10 76.9%			249 90.9%		
TRUCK	17 28.3%			5 2.5%			3 23.1%			25 9.1%		
BOTH	60 21.9%			201 73.4%			13 4.7%			274 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	25	0	25	4	0	4	29	0	29
7:00 AM - 8:00 AM	0	1	1	41	0	41	1	0	1	42	1	43
8:00 AM - 9:00 AM	1	0	1	15	2	17	1	0	1	17	2	19
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	17	0	17	1	0	1	18	0	18
4:00 PM - 5:00 PM	0	0	0	34	2	36	1	0	1	35	2	37
5:00 PM - 6:00 PM	0	0	0	38	1	39	1	0	1	39	1	40
6:00 PM - 7:00 PM	0	0	0	16	0	16	1	0	1	17	0	17
PASSENGER	1 50.0%			186 97.4%			10 100.0%			197 97.0%		
TRUCK	1 50.0%			5 2.6%			0 0.0%			6 3.0%		
BOTH	2 1.0%			191 94.1%			10 4.9%			203 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
206th St & Victory Chapel Rd (#187)  
9/6/2012  
AAJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	1	2	1	4					4	0	1	5
SOUTHBOUND	0	0	5	5					0	0	1	1
EASTBOUND	1	28	0	29					4	46	1	51
WESTBOUND	0	34	0	34					1	38	0	39

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.33	0.78			0.31	0.71
SOUTHBOUND	0.63				0.25	
EASTBOUND	0.56				0.80	
WESTBOUND	0.85				0.75	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	100.0%	50.0%	0.0%	50.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	20.0%	20.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	2.2%	0.0%	2.0%
WESTBOUND	0.0%	2.9%	0.0%	2.9%					0.0%	5.3%	0.0%	5.1%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	4	4	8	23	30	53	61
7:00 AM	TO	8:00 AM	0	8	8	18	30	48	56
8:00 AM	TO	9:00 AM	1	1	2	23	25	48	50
3:00 PM	TO	4:00 PM	2	2	4	22	14	36	40
4:00 PM	TO	5:00 PM	3	3	6	50	33	83	89
5:00 PM	TO	6:00 PM	5	1	6	53	33	86	92
6:00 PM	TO	7:00 PM	0	1	1	18	11	29	30
TOTAL VOLUME			15	20	35	207	176	383	418
PERCENTAGE			3.6%	4.8%	8.4%	49.5%	42.1%	91.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
206th St & Victory Chapel Rd (#187)  
9/6/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1	1	1	2	1	0	1	2	2	4
7:00 AM - 8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	1	1	0	1	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	2	0	2	0	0	0	2	0	2
4:00 PM - 5:00 PM	1	0	1	2	0	2	0	0	0	3	0	3
5:00 PM - 6:00 PM	4	0	4	0	0	0	1	0	1	5	0	5
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	5 83.3%			5 83.3%			2 66.7%			12 80.0%		
TRUCK	1 16.7%			1 16.7%			3 33.3%			3 20.0%		
BOTH	6 40.0%			6 40.0%			3 20.0%			15 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	4	0	4	4	0	4
7:00 AM - 8:00 AM	0	0	0	1	0	1	5	2	7	6	2	8
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	1	1	0	1	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	1	1	0	1	1	0	2	2
4:00 PM - 5:00 PM	0	0	0	0	0	0	2	1	3	2	1	3
5:00 PM - 6:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
6:00 PM - 7:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
PASSENGER	0 #DIV/0!			1 50.0%			13 72.2%			14 70.0%		
TRUCK	0 #DIV/0!			1 50.0%			5 27.8%			6 30.0%		
BOTH	0 0.0%			2 10.0%			18 90.0%			20 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	23	0	23	0	0	0	23	0	23
7:00 AM - 8:00 AM	1	0	1	17	0	17	0	0	0	18	0	18
8:00 AM - 9:00 AM	0	0	0	22	1	23	0	0	0	22	1	23
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	19	0	19	2	0	2	22	0	22
4:00 PM - 5:00 PM	2	0	2	47	0	47	1	0	1	50	0	50
5:00 PM - 6:00 PM	5	0	5	45	2	47	1	0	1	51	2	53
6:00 PM - 7:00 PM	0	0	0	17	0	17	1	0	1	18	0	18
PASSENGER	9 100.0%			190 98.4%			5 100.0%			204 98.6%		
TRUCK	0 0.0%			3 1.6%			0 0.0%			3 1.4%		
BOTH	9 4.3%			193 93.2%			5 2.4%			207 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	29	1	30	0	0	0	29	1	30
7:00 AM - 8:00 AM	0	0	0	30	0	30	0	0	0	30	0	30
8:00 AM - 9:00 AM	0	0	0	23	1	24	1	0	1	24	1	25
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	14	0	14	0	0	0	14	0	14
4:00 PM - 5:00 PM	0	0	0	32	1	33	0	0	0	32	1	33
5:00 PM - 6:00 PM	1	0	1	29	3	32	0	0	0	30	3	33
6:00 PM - 7:00 PM	0	0	0	11	0	11	0	0	0	11	0	11
PASSENGER	1 100.0%			168 96.6%			1 100.0%			170 96.6%		
TRUCK	0 0.0%			6 3.4%			0 0.0%			6 3.4%		
BOTH	1 0.6%			174 98.9%			1 0.6%			176 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
206th St & Olio Rd (#188)  
8/27/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	0	0	0					1	0	0	1
SOUTHBOUND	2	0	3	5					0	0	2	2
EASTBOUND	3	28	0	31					1	39	1	41
WESTBOUND	0	32	0	32					0	27	0	27

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	#DIV/0!				0.25	
SOUTHBOUND	0.63	0.77			0.50	0.74
EASTBOUND	0.78				0.79	
WESTBOUND	0.67				0.68	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	33.3%	0.0%	0.0%	3.2%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	3.1%	0.0%	3.1%					0.0%	3.7%	0.0%	3.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0	1	1	22	23	45	46
7:00 AM	TO	8:00 AM	0	5	5	31	32	63	68
8:00 AM	TO	9:00 AM	1	0	1	16	20	36	37
3:00 PM	TO	4:00 PM	0	0	0	18	12	30	30
4:00 PM	TO	5:00 PM	2	2	4	35	26	61	65
5:00 PM	TO	6:00 PM	2	1	3	32	27	59	62
6:00 PM	TO	7:00 PM	0	1	1	12	11	23	24
TOTAL VOLUME			5	10	15	166	151	317	332
PERCENTAGE			1.5%	3.0%	4.5%	50.0%	45.5%	95.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
206th St & Olio Rd (#188)  
8/27/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	1	1	0	1	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	1	0	1	1	0	1	0	0	0	2	0	2
5:00 PM - 6:00 PM	2	0	2	0	0	0	0	0	0	2	0	2
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	3 100.0%			1 100.0%			0 0.0%			4 80.0%		
TRUCK	0 0.0%			0 0.0%			1 100.0%			1 20.0%		
BOTH	3 60.0%			1 20.0%			1 20.0%			5 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	1	0	1	1	0	1
7:00 AM - 8:00 AM	2	0	2	0	0	0	3	0	3	5	0	5
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	1	0	1	1	0	1	2	0	2
5:00 PM - 6:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
6:00 PM - 7:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
PASSENGER	2 100.0%			1 100.0%			7 100.0%			10 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	2 20.0%			1 10.0%			7 70.0%			10 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	21	1	22	0	0	0	21	1	22
7:00 AM - 8:00 AM	2	1	3	28	0	28	0	0	0	30	1	31
8:00 AM - 9:00 AM	0	0	0	15	1	16	0	0	0	15	1	16
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	16	1	17	0	0	0	17	1	18
4:00 PM - 5:00 PM	1	0	1	32	1	33	1	0	1	34	1	35
5:00 PM - 6:00 PM	1	0	1	30	0	30	1	0	1	32	0	32
6:00 PM - 7:00 PM	0	0	0	12	0	12	0	0	0	12	0	12
PASSENGER	5 83.3%			154 97.5%			2 100.0%			161 97.0%		
TRUCK	1 16.7%			4 2.5%			0 0.0%			5 3.0%		
BOTH	6 3.6%			158 95.2%			2 1.2%			166 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	22	1	23	0	0	0	22	1	23
7:00 AM - 8:00 AM	0	0	0	31	1	32	0	0	0	31	1	32
8:00 AM - 9:00 AM	0	0	0	19	1	20	0	0	0	19	1	20
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	10	2	12	0	0	0	10	2	12
4:00 PM - 5:00 PM	0	0	0	26	0	26	0	0	0	26	0	26
5:00 PM - 6:00 PM	0	0	0	26	1	27	0	0	0	26	1	27
6:00 PM - 7:00 PM	0	0	0	11	0	11	0	0	0	11	0	11
PASSENGER	0 #DIV/0!			145 96.0%			0 #DIV/0!			145 96.0%		
TRUCK	0 #DIV/0!			6 4.0%			0 #DIV/0!			6 4.0%		
BOTH	0 0.0%			151 100.0%			0 0.0%			151 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 206th St & Durbin Rd (#189)  
 9/7/12 & 9/4/12  
 AAJ & KDP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	2		2	4					3		0	3
EASTBOUND	0	33		33					5	35		40
WESTBOUND		29	0	29						35	2	37

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
SOUTHBOUND	0.50				0.38	
EASTBOUND	0.69	0.69			0.67	0.91
WESTBOUND	0.60				0.71	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
SOUTHBOUND	0.0%		0.0%	0.0%					0.0%		0.0%	0.0%
EASTBOUND	0.0%	9.1%		9.1%					0.0%	8.6%		7.5%
WESTBOUND		0.0%	0.0%	0.0%						2.9%	0.0%	2.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM		2	2	11	25	36	38
7:00 AM	TO	8:00 AM		4	4	33	29	62	66
8:00 AM	TO	9:00 AM		3	3	13	10	23	26
3:00 PM	TO	4:00 PM		1	1	14	8	22	23
4:00 PM	TO	5:00 PM		5	5	33	23	56	61
5:00 PM	TO	6:00 PM		3	3	41	33	74	77
6:00 PM	TO	7:00 PM		1	1	25	14	39	40
TOTAL VOLUME				19	19	170	142	312	331
PERCENTAGE				5.7%	5.7%	51.4%	42.9%	94.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
206th St & Durbin Rd (#189)  
9/7/12 & 9/4/12

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1				0	1	1	1	1	2
7:00 AM - 8:00 AM	2	0	2				2	0	2	4	0	4
8:00 AM - 9:00 AM	1	0	1				2	0	2	3	0	3
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1				0	0	0	1	0	1
4:00 PM - 5:00 PM	2	0	2				3	0	3	5	0	5
5:00 PM - 6:00 PM	3	0	3				0	0	0	3	0	3
6:00 PM - 7:00 PM	0	0	0				1	0	1	1	0	1
PASSENGER	10 100.0%						8 88.9%			18 94.7%		
TRUCK	0 0.0%						1 11.1%			1 5.3%		
BOTH	10 52.6%						9 47.4%			19 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	10	1	11				10	1	11
7:00 AM - 8:00 AM	0	0	0	30	3	33				30	3	33
8:00 AM - 9:00 AM	0	1	1	12	0	12				12	1	13
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	11	1	12				13	1	14
4:00 PM - 5:00 PM	2	1	3	29	1	30				31	2	33
5:00 PM - 6:00 PM	6	0	6	33	2	35				39	2	41
6:00 PM - 7:00 PM	3	0	3	22	0	22				25	0	25
PASSENGER	13 86.7%			147 94.8%						160 94.1%		
TRUCK	2 13.3%			8 5.2%						10 5.9%		
BOTH	15 8.8%			155 91.2%						170 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				23	0	23	0	2	2	23	2	25
7:00 AM - 8:00 AM				29	0	29	0	0	0	29	0	29
8:00 AM - 9:00 AM				10	0	10	0	0	0	10	0	10
PM TIME PERIOD												
3:00 PM - 4:00 PM				6	1	7	1	0	1	7	1	8
4:00 PM - 5:00 PM				20	1	21	2	0	2	22	1	23
5:00 PM - 6:00 PM				31	0	31	2	0	2	33	0	33
6:00 PM - 7:00 PM				13	0	13	1	0	1	14	0	14
PASSENGER				132 98.5%			6 75.0%			138 97.2%		
TRUCK				2 1.5%			2 25.0%			4 2.8%		
BOTH				134 94.4%			8 5.6%			142 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY:

Noblesville  
Prairie Baptist Rd & 206th St (#190)  
08/27 & 28/12  
Kate Plummer

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	6	4	1	11					10	21	6
SOUTHBOUND	1	12	1	14					4	8	1	13
EASTBOUND	2	23	7	32					3	18	7	28
WESTBOUND	9	24	2	35					4	21	1	26

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.39					0.84
SOUTHBOUND	0.58	0.82				0.65	0.84
EASTBOUND	0.73					0.78	
WESTBOUND	0.88					0.72	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	12.5%	0.0%	7.7%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	4.2%	0.0%	2.9%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	12	14	26	22	25	47	73
7:00 AM	TO	8:00 AM	11	14	25	32	35	67	92
8:00 AM	TO	9:00 AM	13	8	21	19	18	37	58
3:00 PM	TO	4:00 PM	19	7	26	16	5	21	47
4:00 PM	TO	5:00 PM	30	10	40	31	27	58	98
5:00 PM	TO	6:00 PM	25	13	38	24	23	47	85
6:00 PM	TO	7:00 PM	9	5	14	17	7	24	38
TOTAL VOLUME			119	71	190	161	140	301	491
PERCENTAGE			24.2%	14.5%	38.7%	32.8%	28.5%	61.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
Prairie Baptist Rd & 206th St (#190)  
08/27 & 28/12  
Kate Plummer

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	1	4	6	1	7	0	1	1	9	3	12
7:00 AM - 8:00 AM	6	0	6	4	0	4	1	0	1	11	0	11
8:00 AM - 9:00 AM	6	0	6	5	1	6	1	0	1	12	1	13
PM TIME PERIOD												
3:00 PM - 4:00 PM	5	1	6	6	1	7	5	1	6	16	3	19
4:00 PM - 5:00 PM	8	0	8	15	0	15	7	0	7	30	0	30
5:00 PM - 6:00 PM	3	0	3	14	0	14	8	0	8	25	0	25
6:00 PM - 7:00 PM	1	0	1	6	0	6	2	0	2	9	0	9
PASSENGER	32 94.1%			56 94.9%			24 92.3%			112 94.1%		
TRUCK	2 5.9%			3 5.1%			2 7.7%			7 5.9%		
BOTH	34 28.6%			59 49.6%			26 21.8%			119 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	10	0	10	4	0	4	14	0	14
7:00 AM - 8:00 AM	1	0	1	12	0	12	1	0	1	14	0	14
8:00 AM - 9:00 AM	0	0	0	6	0	6	2	0	2	8	0	8
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	4	0	4	0	0	0	7	0	7
4:00 PM - 5:00 PM	3	0	3	5	1	6	1	0	1	9	1	10
5:00 PM - 6:00 PM	3	0	3	8	0	8	2	0	2	13	0	13
6:00 PM - 7:00 PM	1	0	1	4	0	4	0	0	0	5	0	5
PASSENGER	11 100.0%			49 98.0%			10 100.0%			70 98.6%		
TRUCK	0 0.0%			1 2.0%			0 0.0%			1 1.4%		
BOTH	11 15.5%			50 70.4%			10 14.1%			71 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	10	0	10	10	1	11	21	1	22
7:00 AM - 8:00 AM	2	0	2	23	0	23	7	0	7	32	0	32
8:00 AM - 9:00 AM	0	0	0	12	0	12	7	0	7	19	0	19
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	6	1	7	8	0	8	15	1	16
4:00 PM - 5:00 PM	4	0	4	20	0	20	7	0	7	31	0	31
5:00 PM - 6:00 PM	3	0	3	11	0	11	10	0	10	24	0	24
6:00 PM - 7:00 PM	1	0	1	12	0	12	4	0	4	17	0	17
PASSENGER	12 100.0%			94 98.9%			53 98.1%			159 98.8%		
TRUCK	0 0.0%			1 1.1%			1 1.9%			2 1.2%		
BOTH	12 7.5%			95 59.0%			54 33.5%			161 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	16	0	16	2	1	3	24	1	25
7:00 AM - 8:00 AM	9	0	9	23	1	24	2	0	2	34	1	35
8:00 AM - 9:00 AM	2	1	3	12	1	13	1	1	2	15	3	18
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	3	0	3	0	0	0	5	0	5
4:00 PM - 5:00 PM	7	0	7	19	0	19	1	0	1	27	0	27
5:00 PM - 6:00 PM	1	0	1	19	1	20	2	0	2	22	1	23
6:00 PM - 7:00 PM	0	0	0	6	0	6	1	0	1	7	0	7
PASSENGER	27 96.4%			98 97.0%			9 81.8%			134 95.7%		
TRUCK	1 3.6%			3 3.0%			2 18.2%			6 4.3%		
BOTH	28 20.0%			101 72.1%			11 7.9%			140 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
206th St & Cyntheanne Rd (#191)  
1/17/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	1	1	2	4					7	7	8	22
SOUTHBOUND	0	4	3	7					5	3	1	9
EASTBOUND	0	21	3	24					3	16	3	22
WESTBOUND	8	22	0	30					6	24	3	33

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.50	0.71			0.55	0.74
SOUTHBOUND	0.44				0.75	
EASTBOUND	0.86				0.79	
WESTBOUND	0.54				0.75	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	50.0%	25.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	33.3%	4.2%					0.0%	0.0%	66.7%	9.1%
WESTBOUND	12.5%	4.5%	0.0%	6.7%					16.7%	0.0%	0.0%	3.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	1	8	9	11	15	26	35
7:00 AM	TO	8:00 AM	3	8	11	25	23	48	59
8:00 AM	TO	9:00 AM	4	6	10	16	26	42	52
3:00 PM	TO	4:00 PM	3	2	5	11	7	18	23
4:00 PM	TO	5:00 PM	15	9	24	22	26	48	72
5:00 PM	TO	6:00 PM	15	4	19	27	26	53	72
6:00 PM	TO	7:00 PM	6	3	9	9	7	16	25
TOTAL VOLUME			47	40	87	121	130	251	338
PERCENTAGE			13.9%	11.8%	25.7%	35.8%	38.5%	74.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
206th St & Cyntheanne Rd (#191)  
1/17/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	1	0	1	0	0	0	1	0	1
7:00 AM - 8:00 AM	0	0	0	1	0	1	1	1	2	2	1	3
8:00 AM - 9:00 AM	2	0	2	2	0	2	0	0	0	4	0	4
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	3	0	3	0	0	0	3	0	3
4:00 PM - 5:00 PM	4	0	4	7	0	7	4	0	4	15	0	15
5:00 PM - 6:00 PM	5	0	5	4	0	4	6	0	6	15	0	15
6:00 PM - 7:00 PM	2	0	2	3	0	3	1	0	1	6	0	6
PASSENGER	13 100.0%			21 100.0%			12 92.3%			46 97.9%		
TRUCK	0 0.0%			0 0.0%			1 7.7%			1 2.1%		
BOTH	13 27.7%			21 44.7%			13 27.7%			47 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	5	0	5	3	0	3	8	0	8
7:00 AM - 8:00 AM	0	0	0	3	0	3	5	0	5	8	0	8
8:00 AM - 9:00 AM	0	0	0	5	0	5	0	1	1	5	1	6
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	2	0	2	2	0	2
4:00 PM - 5:00 PM	4	0	4	3	0	3	2	0	2	9	0	9
5:00 PM - 6:00 PM	2	0	2	2	0	2	0	0	0	4	0	4
6:00 PM - 7:00 PM	1	0	1	1	0	1	1	0	1	3	0	3
PASSENGER	7 100.0%			19 100.0%			13 92.9%			39 97.5%		
TRUCK	0 0.0%			0 0.0%			1 7.1%			1 2.5%		
BOTH	7 17.5%			19 47.5%			14 35.0%			40 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	9	1	10	0	0	0	10	1	11
7:00 AM - 8:00 AM	0	0	0	24	0	24	1	0	1	25	0	25
8:00 AM - 9:00 AM	1	0	1	10	0	10	4	1	5	15	1	16
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	9	1	10	1	0	1	10	1	11
4:00 PM - 5:00 PM	3	0	3	17	0	17	0	2	2	20	2	22
5:00 PM - 6:00 PM	4	0	4	20	0	20	3	0	3	27	0	27
6:00 PM - 7:00 PM	0	0	0	7	0	7	2	0	2	9	0	9
PASSENGER	9 100.0%			96 98.0%			11 78.6%			116 95.9%		
TRUCK	0 0.0%			2 2.0%			3 21.4%			5 4.1%		
BOTH	9 7.4%			98 81.0%			14 11.6%			121 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	12	1	13	1	0	1	14	1	15
7:00 AM - 8:00 AM	7	0	7	14	2	16	0	0	0	21	2	23
8:00 AM - 9:00 AM	1	2	3	22	1	23	0	0	0	23	3	26
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	1	1	6	0	6	0	0	0	6	1	7
4:00 PM - 5:00 PM	5	0	5	20	0	20	1	0	1	26	0	26
5:00 PM - 6:00 PM	2	1	3	20	0	20	3	0	3	25	1	26
6:00 PM - 7:00 PM	0	0	0	5	0	5	2	0	2	7	0	7
PASSENGER	16 80.0%			99 96.1%			7 100.0%			122 93.8%		
TRUCK	4 20.0%			4 3.9%			0 0.0%			8 6.2%		
BOTH	20 15.4%			103 79.2%			7 5.4%			130 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
206th St & Atlantic Rd (SR 13) (#192)  
1/10/2013  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	11	95	0	106					18	124	1
SOUTHBOUND	7	119	6	132					3	102	4	109
EASTBOUND	2	11	5	18					8	8	10	26
WESTBOUND	2	6	7	15					0	2	6	8

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.80	0.92			0.89
SOUTHBOUND	0.83				0.88	
EASTBOUND	0.75				0.81	
WESTBOUND	0.75				0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	9.1%	10.5%	0.0%	10.4%					16.7%	5.6%	0.0%
SOUTHBOUND	0.0%	8.4%	16.7%	8.3%					33.3%	6.9%	0.0%	7.3%
EASTBOUND	0.0%	18.2%	0.0%	11.1%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	33.3%	28.6%	26.7%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	69	112	181	9	7	16	197
7:00 AM	TO	8:00 AM	106	132	238	18	15	33	271
8:00 AM	TO	9:00 AM	67	81	148	8	5	13	161
3:00 PM	TO	4:00 PM	54	47	101	19	7	26	127
4:00 PM	TO	5:00 PM	118	103	221	23	7	30	251
5:00 PM	TO	6:00 PM	132	110	242	25	8	33	275
6:00 PM	TO	7:00 PM	58	47	105	5	10	15	120
TOTAL VOLUME			604	632	1236	107	59	166	1402
PERCENTAGE			43.1%	45.1%	88.2%	7.6%	4.2%	11.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
206th St & Atlantic Rd (SR 13) (#192)  
1/10/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	7	1	8	54	7	61	0	0	0	61	8	69
7:00 AM - 8:00 AM	10	1	11	85	10	95	0	0	0	95	11	106
8:00 AM - 9:00 AM	6	0	6	39	21	60	0	1	1	45	22	67
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	1	7	37	10	47	0	0	0	43	11	54
4:00 PM - 5:00 PM	12	2	14	98	6	104	0	0	0	110	8	118
5:00 PM - 6:00 PM	12	2	14	110	7	117	1	0	1	123	9	132
6:00 PM - 7:00 PM	8	0	8	50	0	50	0	0	0	58	0	58
PASSENGER	61 89.7%			473 88.6%			1 50.0%			535 88.6%		
TRUCK	7 10.3%			61 11.4%			50.0%			69 11.4%		
BOTH	68 11.3%			534 88.4%			2 0.3%			604 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	0	4	98	6	104	4	0	4	106	6	112
7:00 AM - 8:00 AM	7	0	7	109	10	119	5	1	6	121	11	132
8:00 AM - 9:00 AM	0	0	0	61	14	75	5	1	6	66	15	81
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	38	8	46	1	0	1	39	8	47
4:00 PM - 5:00 PM	3	0	3	85	12	97	3	0	3	91	12	103
5:00 PM - 6:00 PM	3	1	4	99	5	104	2	0	2	104	6	110
6:00 PM - 7:00 PM	2	0	2	40	2	42	3	0	3	45	2	47
PASSENGER	19 95.0%			530 90.3%			23 92.0%			572 90.5%		
TRUCK	1 5.0%			57 9.7%			2 8.0%			60 9.5%		
BOTH	20 3.2%			587 92.9%			25 4.0%			632 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	2	0	2	7	0	7	9	0	9
7:00 AM - 8:00 AM	2	0	2	9	2	11	5	0	5	16	2	18
8:00 AM - 9:00 AM	0	0	0	4	1	5	3	0	3	7	1	8
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	8	1	9	8	1	9	17	2	19
4:00 PM - 5:00 PM	4	0	4	12	1	13	6	0	6	22	1	23
5:00 PM - 6:00 PM	8	0	8	7	0	7	10	0	10	25	0	25
6:00 PM - 7:00 PM	1	0	1	2	0	2	2	0	2	5	0	5
PASSENGER	16 100.0%			44 89.8%			41 97.6%			101 94.4%		
TRUCK	0 0.0%			5 10.2%			1 2.4%			6 5.6%		
BOTH	16 15.0%			49 45.8%			42 39.3%			107 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	6	0	6	1	0	1	7	0	7
7:00 AM - 8:00 AM	2	0	2	4	2	6	5	2	7	11	4	15
8:00 AM - 9:00 AM	0	0	0	2	2	4	1	0	1	3	2	5
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	2	0	2	5	0	5	7	0	7
4:00 PM - 5:00 PM	0	0	0	4	1	5	2	0	2	6	1	7
5:00 PM - 6:00 PM	0	0	0	2	0	2	6	0	6	8	0	8
6:00 PM - 7:00 PM	0	0	0	3	0	3	7	0	7	10	0	10
PASSENGER	2 100.0%			23 82.1%			27 93.1%			52 88.1%		
TRUCK	0 0.0%			5 17.9%			2 6.9%			7 11.9%		
BOTH	2 3.4%			28 47.5%			29 49.2%			59 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 211th St & Little Chicago (#193)  
 10/18/2012  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	43		107	150					96		344
EASTBOUND		37	77	114						78	76	154
WESTBOUND	340	61		401					163	39		202

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.82				0.87
EASTBOUND	0.89	0.94			0.88	0.93
WESTBOUND	0.87				0.87	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%		6.5%	4.7%					0.0%		0.9%
EASTBOUND		10.8%	3.9%	6.1%						0.0%	0.0%	0.0%
WESTBOUND	0.0%	1.6%		0.2%					0.0%	0.0%		0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	77		77	82	249	331	408
7:00 AM	TO	8:00 AM	150		150	114	401	515	665
8:00 AM	TO	9:00 AM	131		131	103	273	376	507
3:00 PM	TO	4:00 PM	145		145	30	98	128	273
4:00 PM	TO	5:00 PM	325		325	87	167	254	579
5:00 PM	TO	6:00 PM	442		442	139	198	337	779
6:00 PM	TO	7:00 PM	202		202	69	112	181	383
TOTAL VOLUME			1472		1472	624	1498	2122	3594
PERCENTAGE			41.0%		41.0%	17.4%	41.7%	59.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
211th St & Little Chicago (#193)  
10/18/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	27	1	28				48	1	49	75	2	77
7:00 AM - 8:00 AM	43	0	43				100	7	107	143	7	150
8:00 AM - 9:00 AM	27	0	27				97	7	104	124	7	131
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	34	4	38				105	2	107	139	6	145
4:00 PM - 5:00 PM	81	1	82				241	2	243	322	3	325
5:00 PM - 6:00 PM	90	0	90				349	3	352	439	3	442
6:00 PM - 7:00 PM	43	0	43				159	0	159	202	0	202
PASSENGER	345 98.3%						1099 98.0%			1444 98.1%		
TRUCK	6 1.7%						22 2.0%			28 1.9%		
BOTH	351 23.8%						1121 76.2%			1472 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				18	2	20	61	1	62	79	3	82
7:00 AM - 8:00 AM				33	4	37	74	3	77	107	7	114
8:00 AM - 9:00 AM				23	0	23	79	1	80	102	1	103
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				9	1	10	20	0	20	29	1	30
4:00 PM - 5:00 PM				40	2	42	45	0	45	85	2	87
5:00 PM - 6:00 PM				67	1	68	71	0	71	138	1	139
6:00 PM - 7:00 PM				28	0	28	40	1	41	68	1	69
PASSENGER				218 95.6%			390 98.5%			608 97.4%		
TRUCK				10 4.4%			6 1.5%			16 2.6%		
BOTH				228 36.5%			396 63.5%			624 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	221	0	221	27	1	28				248	1	249
7:00 AM - 8:00 AM	340	0	340	60	1	61				400	1	401
8:00 AM - 9:00 AM	245	4	249	23	1	24				268	5	273
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	83	0	83	15	0	15				98	0	98
4:00 PM - 5:00 PM	129	3	132	34	1	35				163	4	167
5:00 PM - 6:00 PM	167	0	167	31	0	31				198	0	198
6:00 PM - 7:00 PM	86	0	86	25	1	26				111	1	112
PASSENGER	1271 99.5%			215 97.7%						1486 99.2%		
TRUCK	7 0.5%			5 2.3%						12 0.8%		
BOTH	1278 85.3%			220 14.7%						1498 100.0%		



A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
211th St Mill Creek Rd (#194)  
10/12/2012  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	0	1	1					0	0	0	0
SOUTHBOUND	14	0	27	41					27	0	29	56
EASTBOUND	18	219	1	238					49	368	3	420
WESTBOUND	0	199	11	210					2	238	11	251

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.25				#DIV/0!	
SOUTHBOUND	0.68	0.83			0.93	0.85
EASTBOUND	0.79				0.80	
WESTBOUND	0.92				0.84	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					3.7%	0.0%	0.0%	1.8%
EASTBOUND	0.0%	5.0%	0.0%	4.6%					0.0%	0.5%	0.0%	0.5%
WESTBOUND	0.0%	4.0%	0.0%	3.8%					0.0%	0.4%	0.0%	0.4%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0	26	26	119	122	241	267
7:00 AM	TO	8:00 AM	1	39	40	230	220	450	490
8:00 AM	TO	9:00 AM	1	39	40	152	180	332	372
3:00 PM	TO	4:00 PM	2	26	28	120	98	218	246
4:00 PM	TO	5:00 PM	3	48	51	236	196	432	483
5:00 PM	TO	6:00 PM	0	47	47	361	258	619	666
6:00 PM	TO	7:00 PM	0	28	28	227	128	355	383
TOTAL VOLUME			7	253	260	1445	1202	2647	2907
PERCENTAGE			0.2%	8.7%	8.9%	49.7%	41.3%	91.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
211th St Mill Creek Rd (#194)  
10/12/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0	0	0	0	1	0	1	1	0	1
8:00 AM - 9:00 AM	0	0	0	0	0	0	1	0	1	1	0	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	1	0	1	0	0	0	2	0	2
4:00 PM - 5:00 PM	2	0	2	1	0	1	0	0	0	3	0	3
5:00 PM - 6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	3 100.0%			2 100.0%			2 100.0%			7 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	3 42.9%			2 28.6%			2 28.6%			7 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	1	6	0	0	0	20	0	20	25	1	26
7:00 AM - 8:00 AM	16	0	16	0	0	0	23	0	23	39	0	39
8:00 AM - 9:00 AM	13	1	14	0	0	0	25	0	25	38	1	39
PM TIME PERIOD												
3:00 PM - 4:00 PM	11	0	11	0	0	0	15	0	15	26	0	26
4:00 PM - 5:00 PM	19	0	19	0	0	0	29	0	29	48	0	48
5:00 PM - 6:00 PM	24	1	25	0	0	0	20	2	22	44	3	47
6:00 PM - 7:00 PM	11	0	11	0	0	0	17	0	17	28	0	28
PASSENGER	99 97.1%			0 #DIV/0!			149 98.7%			248 98.0%		
TRUCK	3 2.9%			0 #DIV/0!			2 1.3%			5 2.0%		
BOTH	102 40.3%			0 0.0%			151 59.7%			253 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	11	0	11	107	1	108	0	0	0	118	1	119
7:00 AM - 8:00 AM	19	0	19	198	12	210	1	0	1	218	12	230
8:00 AM - 9:00 AM	17	1	18	132	1	133	1	0	1	150	2	152
PM TIME PERIOD												
3:00 PM - 4:00 PM	11	1	12	103	5	108	0	0	0	114	6	120
4:00 PM - 5:00 PM	29	0	29	203	1	204	3	0	3	235	1	236
5:00 PM - 6:00 PM	41	1	42	315	2	317	2	0	2	358	3	361
6:00 PM - 7:00 PM	30	0	30	196	0	196	1	0	1	227	0	227
PASSENGER	158 98.1%			1254 98.3%			8 100.0%			1420 98.3%		
TRUCK	3 1.9%			22 1.7%			0 0.0%			25 1.7%		
BOTH	161 11.1%			1276 88.3%			8 0.6%			1445 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	106	5	111	10	0	10	117	5	122
7:00 AM - 8:00 AM	0	0	0	198	9	207	12	1	13	210	10	220
8:00 AM - 9:00 AM	2	0	2	166	2	168	10	0	10	178	2	180
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	92	0	92	6	0	6	98	0	98
4:00 PM - 5:00 PM	5	0	5	175	1	176	15	0	15	195	1	196
5:00 PM - 6:00 PM	2	0	2	241	1	242	14	0	14	257	1	258
6:00 PM - 7:00 PM	1	0	1	122	0	122	5	0	5	128	0	128
PASSENGER	11 100.0%			1100 98.4%			72 98.6%			1183 98.4%		
TRUCK	0 0.0%			18 1.6%			1 1.4%			19 1.6%		
BOTH	11 0.9%			1118 93.0%			73 6.1%			1202 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
211th St & Schullley Rd (#195)  
10/17/2012  
CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	9	0	5	14					9	2	13	24
SOUTHBOUND	19	2	13	34					19	1	8	28
EASTBOUND	5	209	11	225					21	291	9	321
WESTBOUND	9	203	8	220					8	237	31	276

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.70	0.83			0.60	0.94
SOUTHBOUND	0.71				0.70	
EASTBOUND	0.74				0.88	
WESTBOUND	0.75				0.90	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	7.7%	2.9%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	5.3%	0.0%	4.9%					4.8%	0.3%	0.0%	0.6%
WESTBOUND	0.0%	5.4%	25.0%	5.9%					0.0%	0.8%	0.0%	0.7%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	7	24	31	98	131	229	260
7:00 AM	TO	8:00 AM	14	29	43	219	221	440	483
8:00 AM	TO	9:00 AM	11	34	45	149	189	338	383
3:00 PM	TO	4:00 PM	6	8	14	94	78	172	186
4:00 PM	TO	5:00 PM	8	25	33	221	199	420	453
5:00 PM	TO	6:00 PM	20	28	48	296	291	587	635
6:00 PM	TO	7:00 PM	8	17	25	152	139	291	316
TOTAL VOLUME			74	165	239	1229	1248	2477	2716
PERCENTAGE			2.7%	6.1%	8.8%	45.3%	45.9%	91.2%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
211th St & Schulley Rd (#195)  
10/17/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	5	0	5	0	0	0	2	0	2	7	0	7
7:00 AM - 8:00 AM	7	0	7	0	0	0	7	0	7	14	0	14
8:00 AM - 9:00 AM	6	0	6	0	0	0	5	0	5	11	0	11
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	0	0	0	4	0	4	6	0	6
4:00 PM - 5:00 PM	1	0	1	0	0	0	7	0	7	8	0	8
5:00 PM - 6:00 PM	8	0	8	2	0	2	10	0	10	20	0	20
6:00 PM - 7:00 PM	3	0	3	1	0	1	4	0	4	8	0	8
PASSENGER	32 100.0%			3 100.0%			39 100.0%			74 100.0%		
TRUCK	0 0.0%			0 0.0%			0 0.0%			0 0.0%		
BOTH	32 43.2%			3 4.1%			39 52.7%			74 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	12	1	13	2	0	2	9	0	9	23	1	24
7:00 AM - 8:00 AM	18	0	18	1	0	1	9	1	10	28	1	29
8:00 AM - 9:00 AM	22	1	23	2	0	2	9	0	9	33	1	34
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	2	0	2	4	0	4	8	0	8
4:00 PM - 5:00 PM	17	1	18	0	0	0	7	0	7	24	1	25
5:00 PM - 6:00 PM	22	0	22	1	0	1	5	0	5	28	0	28
6:00 PM - 7:00 PM	13	0	13	0	0	0	4	0	4	17	0	17
PASSENGER	106 97.2%			8 100.0%			47 97.9%			161 97.6%		
TRUCK	3 2.8%			0 0.0%			1 2.1%			4 2.4%		
BOTH	109 66.1%			8 4.8%			48 29.1%			165 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	86	1	87	9	0	9	97	1	98
7:00 AM - 8:00 AM	4	0	4	199	10	209	6	0	6	209	10	219
8:00 AM - 9:00 AM	0	0	0	145	2	147	2	0	2	147	2	149
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	0	6	81	3	84	4	0	4	91	3	94
4:00 PM - 5:00 PM	7	0	7	205	2	207	7	0	7	219	2	221
5:00 PM - 6:00 PM	19	0	19	269	1	270	7	0	7	295	1	296
6:00 PM - 7:00 PM	8	1	9	139	0	139	4	0	4	151	1	152
PASSENGER	46 97.9%			1124 98.3%			39 100.0%			1209 98.4%		
TRUCK	1 2.1%			19 1.7%			0 0.0%			20 1.6%		
BOTH	47 3.8%			1143 93.0%			39 3.2%			1229 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	7	0	7	110	6	116	5	3	8	122	9	131
7:00 AM - 8:00 AM	7	0	7	201	8	209	5	0	5	213	8	221
8:00 AM - 9:00 AM	6	0	6	167	3	170	12	1	13	185	4	189
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	71	1	72	5	0	5	77	1	78
4:00 PM - 5:00 PM	4	0	4	168	1	169	26	0	26	198	1	199
5:00 PM - 6:00 PM	11	0	11	249	2	251	29	0	29	289	2	291
6:00 PM - 7:00 PM	1	1	2	122	0	122	15	0	15	138	1	139
PASSENGER	37 97.4%			1088 98.1%			97 96.0%			1222 97.9%		
TRUCK	1 2.6%			21 1.9%			4 4.0%			26 2.1%		
BOTH	38 3.0%			1109 88.9%			101 8.1%			1248 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 209th St/Carrigan Rd & Hague Rd (#196)  
 9/13/2012  
 KDP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	109	27		136					351	115		466
SOUTHBOUND		91	51	142						69	58	127
EASTBOUND	34		443	477					81		271	352

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.72				0.86	
SOUTHBOUND	0.85	0.85			0.91	0.89
EASTBOUND	0.75				0.92	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	11.9%	11.1%		11.8%					1.1%	0.0%		0.9%
SOUTHBOUND		5.5%	5.9%	6.3%						5.8%	6.9%	6.3%
EASTBOUND	5.9%		3.2%	3.4%					2.5%		2.2%	2.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	36	73	109	153		153	262
7:00 AM	TO	8:00 AM	146	126	272	456		456	728
8:00 AM	TO	9:00 AM	66	57	123	181		181	304
2:00 PM	TO	3:00 PM	282	114	396	201		201	597
3:00 PM	TO	4:00 PM	399	113	512	238		238	750
4:00 PM	TO	5:00 PM	393	122	515	311		311	826
5:00 PM	TO	6:00 PM	466	127	593	352		352	945
TOTAL VOLUME			1788	732	2520	1892		1892	4412
PERCENTAGE			40.5%	16.6%	57.1%	42.9%		42.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
209th St/Carrigan Rd & Hague Rd (#196)  
9/13/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	18	8	26	10	0	10				28	8	36
7:00 AM - 8:00 AM	108	11	119	22	5	27				130	16	146
8:00 AM - 9:00 AM	46	0	46	18	2	20				64	2	66
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	193	17	210	69	3	72				262	20	282
3:00 PM - 4:00 PM	303	8	311	86	2	88				389	10	399
4:00 PM - 5:00 PM	283	4	287	102	4	106				385	8	393
5:00 PM - 6:00 PM	347	4	351	115	0	115				462	4	466
PASSENGER	1298 96.1%			422 96.3%						1720 96.2%		
TRUCK	52 3.9%			16 3.7%						68 3.8%		
BOTH	1350 75.5%			438 24.5%						1788 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				50	2	52	20	1	21	70	3	73
7:00 AM - 8:00 AM				76	3	79	45	2	47	121	5	126
8:00 AM - 9:00 AM				34	1	35	20	2	22	54	3	57
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM				66	7	73	38	3	41	104	10	114
3:00 PM - 4:00 PM				57	7	64	46	3	49	103	10	113
4:00 PM - 5:00 PM				64	3	67	52	3	55	116	6	122
5:00 PM - 6:00 PM				65	4	69	54	4	58	119	8	127
PASSENGER				412 93.8%			275 93.9%			687 93.9%		
TRUCK				27 6.2%			18 6.1%			45 6.1%		
BOTH				439 60.0%			293 40.0%			732 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	11	0	11				141	1	142	152	1	153
7:00 AM - 8:00 AM	31	2	33				409	14	423	440	16	456
8:00 AM - 9:00 AM	25	0	25				152	4	156	177	4	181
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
2:00 PM - 3:00 PM	41	1	42				153	6	159	194	7	201
3:00 PM - 4:00 PM	44	7	51				169	18	187	213	25	238
4:00 PM - 5:00 PM	62	3	65				235	11	246	297	14	311
5:00 PM - 6:00 PM	79	2	81				265	6	271	344	8	352
PASSENGER	293 95.1%						1524 96.2%			1817 96.0%		
TRUCK	15 4.9%						60 3.8%			75 4.0%		
BOTH	308 16.3%						1584 83.7%			1892 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 211th St & Hague Rd (#197)  
 9/12/2012  
 KDP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		41	0	41					0	204	1	205
SOUTHBOUND	2	157		159						120		120
WESTBOUND	0		0	0					3		4	7

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.79				0.88	
SOUTHBOUND	0.81	0.82			0.91	0.97
WESTBOUND	#DIV/0!				0.58	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		4.9%	0.0%	7.3%						2.0%	0.0%	2.0%
SOUTHBOUND	50.0%	3.2%		3.8%					0.0%	0.0%		0.0%
WESTBOUND	0.0%		0.0%	0.0%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	19	74	93		0	0	93
7:00 AM	TO	8:00 AM	54	137	191		2	2	193
8:00 AM	TO	9:00 AM	36	66	102		0	0	102
2:00 PM	TO	3:00 PM	106	100	206		1	1	207
3:00 PM	TO	4:00 PM	118	102	220		2	2	222
4:00 PM	TO	5:00 PM	130	108	238		2	2	240
5:00 PM	TO	6:00 PM	205	120	325		7	7	332
TOTAL VOLUME			668	707	1375			14	1389
PERCENTAGE			48.1%	50.9%	99.0%			1.0%	100.0%

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

Noblesville  
 211th St & Hague Rd (#197)  
 9/12/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				18	1	19	0	0	0	18	1	19
7:00 AM - 8:00 AM				51	2	53	1	0	1	52	2	54
8:00 AM - 9:00 AM				36	0	36	0	0	0	36	0	36
PM TIME PERIOD												
2:00 PM - 3:00 PM				99	7	106	0	0	0	99	7	106
3:00 PM - 4:00 PM				110	8	118	0	0	0	110	8	118
4:00 PM - 5:00 PM				128	2	130	0	0	0	128	2	130
5:00 PM - 6:00 PM				200	4	204	1	0	1	201	4	205
PASSENGER				642 96.4%			2 100.0%			644 96.4%		
TRUCK				24 3.6%			0 0.0%			24 3.6%		
BOTH				666 99.7%			2 0.3%			668 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	70	3	73				71	3	74
7:00 AM - 8:00 AM	0	1	1	131	5	136				131	6	137
8:00 AM - 9:00 AM	0	1	1	63	2	65				63	3	66
PM TIME PERIOD												
2:00 PM - 3:00 PM	0	1	1	92	7	99				92	8	100
3:00 PM - 4:00 PM	0	0	0	99	3	102				99	3	102
4:00 PM - 5:00 PM	2	0	2	103	3	106				105	3	108
5:00 PM - 6:00 PM	0	0	0	120	0	120				120	0	120
PASSENGER	3 50.0%			678 96.7%						681 96.3%		
TRUCK	3 50.0%			23 3.3%						26 3.7%		
BOTH	6 0.8%			701 99.2%						707 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0				0	0	0	0	0	0
7:00 AM - 8:00 AM	1	0	1				1	0	1	2	0	2
8:00 AM - 9:00 AM	0	0	0				0	0	0	0	0	0
PM TIME PERIOD												
2:00 PM - 3:00 PM	0	0	0				1	0	1	1	0	1
3:00 PM - 4:00 PM	0	1	1				1	0	1	1	1	2
4:00 PM - 5:00 PM	0	0	0				2	0	2	2	0	2
5:00 PM - 6:00 PM	3	0	3				4	0	4	7	0	7
PASSENGER	4 80.0%						9 100.0%			13 92.9%		
TRUCK	1 20.0%						0 0.0%			1 7.1%		
BOTH	5 35.7%						9 64.3%			14 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 Overdorf & 211th St. (#198)  
 6/26/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	9	3	12					0	13	13	26
SOUTHBOUND	3	8	0	11					0	8	0	8
EASTBOUND	0	0	0	0					0	0	0	0
WESTBOUND	6	0	2	8					2	0	2	4

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.43				0.93	
SOUTHBOUND	0.92	0.78			0.33	0.73
EASTBOUND	#DIV/0!				#DIV/0!	
WESTBOUND	0.67				0.33	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	4	6	10	0	2	2	12
7:00 AM	TO	8:00 AM	12	11	23	0	8	8	31
8:00 AM	TO	9:00 AM	2	13	15	0	5	5	20
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	3	6	9	0	5	5	14
4:00 PM	TO	5:00 PM	21	1	22	0	5	5	27
5:00 PM	TO	6:00 PM	22	5	27	0	4	4	31
6:00 PM	TO	7:00 PM	12	6	18	0	2	2	20
TOTAL VOLUME			76	48	124	0	31	31	155
PERCENTAGE			49.0%	31.0%	80.0%	0.0%	20.0%	20.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Overdorf & 211th St. (#198)  
6/26/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	3	0	3	1	0	1	4	0	4
7:00 AM - 8:00 AM	0	0	0	9	0	9	3	0	3	12	0	12
8:00 AM - 9:00 AM	0	0	0	2	0	2	0	0	0	2	0	2
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	3	0	3	0	0	0	3	0	3
4:00 PM - 5:00 PM	0	0	0	11	0	11	10	0	10	21	0	21
5:00 PM - 6:00 PM	0	0	0	12	0	12	10	0	10	22	0	22
6:00 PM - 7:00 PM	0	0	0	4	0	4	8	0	8	12	0	12
PASSENGER	0			44			32			76		
	#DIV/0!			100.0%			100.0%			100.0%		
TRUCK	0			0			0			0		
	#DIV/0!			0.0%			0.0%			0.0%		
BOTH	0			44			32			76		
	0.0%			57.9%			42.1%			100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	6	0	6	0	0	0	6	0	6
7:00 AM - 8:00 AM	3	0	3	8	0	8	0	0	0	11	0	11
8:00 AM - 9:00 AM	0	0	0	13	0	13	0	0	0	13	0	13
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	5	0	5	1	0	1	0	0	0	6	0	6
4:00 PM - 5:00 PM	0	0	0	1	0	1	0	0	0	1	0	1
5:00 PM - 6:00 PM	0	0	0	5	0	5	0	0	0	5	0	5
6:00 PM - 7:00 PM	0	0	0	6	0	6	0	0	0	6	0	6
PASSENGER	8			40			0			48		
	100.0%			100.0%			#DIV/0!			100.0%		
TRUCK	0			0			#DIV/0!			0		
	0.0%			0.0%			#DIV/0!			0.0%		
BOTH	8			40			0			48		
	16.7%			83.3%			0.0%			100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM - 6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
PASSENGER	0			0			0			0		
	#DIV/0!			#DIV/0!			#DIV/0!			#DIV/0!		
TRUCK	0			0			0			0		
	#DIV/0!			#DIV/0!			#DIV/0!			#DIV/0!		
BOTH	0			0			0			0		
	#DIV/0!			#DIV/0!			#DIV/0!			#DIV/0!		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	0	0	0	0	0	0	2	0	2
7:00 AM - 8:00 AM	6	0	6	0	0	0	2	0	2	8	0	8
8:00 AM - 9:00 AM	5	0	5	0	0	0	0	0	0	5	0	5
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	3	0	3	0	0	0	2	0	2	5	0	5
4:00 PM - 5:00 PM	5	0	5	0	0	0	0	0	0	5	0	5
5:00 PM - 6:00 PM	2	0	2	0	0	0	2	0	2	4	0	4
6:00 PM - 7:00 PM	1	0	1	0	0	0	1	0	1	2	0	2
PASSENGER	24			0			7			31		
	100.0%			#DIV/0!			100.0%			100.0%		
TRUCK	0			0			0			0		
	0.0%			#DIV/0!			0.0%			0.0%		
BOTH	24			0			7			31		
	77.4%			0.0%			22.6%			100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 211th St & Riverwood Ave (#199)  
 10/9/2013  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	1	26	0	27					13	67	0	80
SOUTHBOUND	0	57	2	59					0	52	2	54
EASTBOUND	1	0	16	17					2	0	4	6

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.84	0.78			0.91	0.92
SOUTHBOUND	0.74				0.84	
EASTBOUND	0.71				0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	11.5%	0.0%	11.1%					0.0%	7.5%	0.0%	6.3%
SOUTHBOUND	0.0%	15.8%	50.0%	16.9%					0.0%	3.8%	0.0%	3.7%
EASTBOUND	100.0%	0.0%	0.0%	5.9%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	24	51	75	16		16	91
7:00 AM	TO	8:00 AM	26	55	81	11		11	92
8:00 AM	TO	9:00 AM	22	37	59	11		11	70
3:00 PM	TO	4:00 PM	30	20	50	2		2	52
4:00 PM	TO	5:00 PM	75	43	118	7		7	125
5:00 PM	TO	6:00 PM	76	55	131	4		4	135
6:00 PM	TO	7:00 PM	17	21	38	6		6	44
TOTAL VOLUME			270	282	552	57	0	57	609
PERCENTAGE			44.3%	46.3%	90.6%	9.4%	0.0%	9.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
211th St & Riverwood Ave (#199)  
10/9/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	22	2	24	0	0	0	22	2	24
7:00 AM - 8:00 AM	3	0	3	20	3	23	0	0	0	23	3	26
8:00 AM - 9:00 AM	3	0	3	19	0	19	0	0	0	22	0	22
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	3	0	3	26	1	27	0	0	0	29	1	30
4:00 PM - 5:00 PM	11	0	11	59	5	64	0	0	0	70	5	75
5:00 PM - 6:00 PM	8	0	8	66	2	68	0	0	0	74	2	76
6:00 PM - 7:00 PM	3	0	3	14	0	14	0	0	0	17	0	17
<b>PASSENGER</b>	31 100.0%			226 94.6%			0 #DIV/0!			257 95.2%		
<b>TRUCK</b>	0 0.0%			13 5.4%			0 #DIV/0!			13 4.8%		
<b>BOTH</b>	31 11.5%			239 88.5%			0 0.0%			270 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	44	7	51	0	0	0	44	7	51
7:00 AM - 8:00 AM	0	0	0	46	5	51	2	2	4	48	7	55
8:00 AM - 9:00 AM	0	0	0	36	1	37	0	0	0	36	1	37
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	17	3	20	0	0	0	17	3	20
4:00 PM - 5:00 PM	0	0	0	41	0	41	1	1	2	42	1	43
5:00 PM - 6:00 PM	0	0	0	52	2	54	1	0	1	53	2	55
6:00 PM - 7:00 PM	0	0	0	20	0	20	1	0	1	21	0	21
<b>PASSENGER</b>	0 #DIV/0!			256 93.4%			5 62.5%			261 92.6%		
<b>TRUCK</b>	0 #DIV/0!			18 6.6%			3 37.5%			21 7.4%		
<b>BOTH</b>	0 0.0%			274 97.2%			8 2.8%			282 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	1	1	0	0	0	15	0	15	15	1	16
7:00 AM - 8:00 AM	0	0	0	0	0	0	10	1	11	10	1	11
8:00 AM - 9:00 AM	1	0	1	0	0	0	10	0	10	11	0	11
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	0	0	0	2	0	2	2	0	2
4:00 PM - 5:00 PM	1	0	1	0	0	0	6	0	6	7	0	7
5:00 PM - 6:00 PM	1	0	1	0	0	0	3	0	3	4	0	4
6:00 PM - 7:00 PM	2	0	2	0	0	0	4	0	4	6	0	6
<b>PASSENGER</b>	5 83.3%			0 #DIV/0!			50 98.0%			55 96.5%		
<b>TRUCK</b>	1 16.7%			0 #DIV/0!			1 2.0%			2 3.5%		
<b>BOTH</b>	6 10.5%			0 0.0%			51 89.5%			57 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 211th St & SR 37 (#200)  
 9/10/2012  
 KP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND		304	2	306					0	552	2
SOUTHBOUND	2	530		532						358		358
WESTBOUND	1		3	4					2		2	4

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.91					0.92
SOUTHBOUND	0.88	0.89				0.90	0.91
WESTBOUND	0.50					0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND		9.5%	100.0%	10.1%						2.5%	0.0%
SOUTHBOUND	0.0%	5.8%		5.8%					0.0%	7.5%		7.5%
WESTBOUND	0.0%		33.3%	25.0%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	193	497	690		0	0	690
7:00 AM	TO	8:00 AM	306	532	838		4	4	842
8:00 AM	TO	9:00 AM	231	375	606		3	3	609
3:00 PM	TO	4:00 PM	211	168	379		1	1	380
4:00 PM	TO	5:00 PM	542	360	902		3	3	905
5:00 PM	TO	6:00 PM	535	339	874		4	4	878
6:00 PM	TO	7:00 PM	219	147	366		2	2	368
TOTAL VOLUME			2237	2418	4655		17	17	4672
PERCENTAGE			47.9%	51.8%	99.6%		0.4%	0.4%	100.0%

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

Noblesville  
 211th St & SR 37 (#200)  
 9/10/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				163	30	193	0	0	0	163	30	193
7:00 AM - 8:00 AM				275	29	304	0	2	2	275	31	306
8:00 AM - 9:00 AM				187	44	231	0	0	0	187	44	231
PM TIME PERIOD												
3:00 PM - 4:00 PM				196	12	208	3	0	3	199	12	211
4:00 PM - 5:00 PM				522	16	538	4	0	4	526	16	542
5:00 PM - 6:00 PM				518	15	533	2	0	2	520	15	535
6:00 PM - 7:00 PM				214	5	219	0	0	0	214	5	219
PASSENGER				2075 93.2%			9 81.8%			2084 93.2%		
TRUCK				151 6.8%			2 18.2%			153 6.8%		
BOTH				2226 99.5%			11 0.5%			2237 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	481	16	497				481	16	497
7:00 AM - 8:00 AM	2	0	2	499	31	530				501	31	532
8:00 AM - 9:00 AM	0	1	1	334	40	374				334	41	375
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	154	14	168				154	14	168
4:00 PM - 5:00 PM	0	0	0	337	23	360				337	23	360
5:00 PM - 6:00 PM	0	0	0	318	21	339				318	21	339
6:00 PM - 7:00 PM	0	0	0	136	11	147				136	11	147
PASSENGER	2 66.7%			2259 93.5%						2261 93.5%		
TRUCK	1 33.3%			156 6.5%						157 6.5%		
BOTH	3 0.1%			2415 99.9%						2418 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0				0	0	0	0	0	0
7:00 AM - 8:00 AM	1	0	1				2	1	3	3	1	4
8:00 AM - 9:00 AM	3	0	3				0	0	0	3	0	3
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0				1	0	1	1	0	1
4:00 PM - 5:00 PM	2	0	2				0	1	1	2	1	3
5:00 PM - 6:00 PM	2	0	2				2	0	2	4	0	4
6:00 PM - 7:00 PM	2	0	2				0	0	0	2	0	2
PASSENGER	10 100.0%						5 71.4%			15 88.2%		
TRUCK	0 0.0%						2 28.6%			2 11.8%		
BOTH	10 58.8%						7 41.2%			17 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

Noblesville  
 211th St. & Creek Rd. (Site #201)  
 8/23/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 3:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1	3		4					2	8	
SOUTHBOUND		9	1	10						5	3	8
EASTBOUND	0		2	2					3		1	4

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.50				0.83
SOUTHBOUND	0.63	0.57			0.67	0.92
EASTBOUND	0.50				0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	33.3%		25.0%					50.0%	0.0%	
SOUTHBOUND		0.0%	100.0%	10.0%						40.0%	33.3%	37.5%
EASTBOUND	0.0%		50.0%	50.0%					33.3%		0.0%	25.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	4	10	14	2		2	16
7:00 AM	TO	8:00 AM	5	8	13	0		0	13
8:00 AM	TO	9:00 AM	2	2	4	6		6	10
3:00 PM	TO	4:00 PM	5	5	10	1		1	11
4:00 PM	TO	5:00 PM	10	5	15	4		4	19
5:00 PM	TO	6:00 PM	10	2	12	0		0	12
6:00 PM	TO	7:00 PM	1	4	5	3		3	8
TOTAL VOLUME			37	36	73	16		16	89
PERCENTAGE			41.6%	40.4%	82.0%	18.0%		18.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
211th St. & Creek Rd. (Site #201)  
8/23/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1	2	1	3				3	1	4
7:00 AM - 8:00 AM	0	1	1	4	0	4				4	1	5
8:00 AM - 9:00 AM	0	0	0	2	0	2				2	0	2
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	1	1	4	0	4				4	1	5
4:00 PM - 5:00 PM	2	0	2	8	0	8				10	0	10
5:00 PM - 6:00 PM	1	0	1	9	0	9				10	0	10
6:00 PM - 7:00 PM	0	0	0	1	0	1				1	0	1
<b>PASSENGER</b>	4 66.7%			30 96.8%						34 91.9%		
<b>TRUCK</b>	2 33.3%			1 3.2%						3 8.1%		
<b>BOTH</b>	6 16.2%			31 83.8%						37 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				9	0	9	0	1	1	9	1	10
7:00 AM - 8:00 AM				8	0	8	0	0	0	8	0	8
8:00 AM - 9:00 AM				2	0	2	0	0	0	2	0	2
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				1	2	3	2	0	2	3	2	5
4:00 PM - 5:00 PM				4	0	4	0	1	1	4	1	5
5:00 PM - 6:00 PM				2	0	2	0	0	0	2	0	2
6:00 PM - 7:00 PM				3	0	3	1	0	1	4	0	4
<b>PASSENGER</b>				29 93.5%			3 60.0%			32 88.9%		
<b>TRUCK</b>				2 6.5%			2 40.0%			4 11.1%		
<b>BOTH</b>				31 86.1%			5 13.9%			36 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0				1	1	2	1	1	2
7:00 AM - 8:00 AM	0	0	0				0	0	0	0	0	0
8:00 AM - 9:00 AM	4	0	4				2	0	2	6	0	6
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	1	1				0	0	0	0	1	1
4:00 PM - 5:00 PM	2	0	2				2	0	2	4	0	4
5:00 PM - 6:00 PM	0	0	0				0	0	0	0	0	0
6:00 PM - 7:00 PM	1	0	1				2	0	2	3	0	3
<b>PASSENGER</b>	7 87.5%						7 87.5%			14 87.5%		
<b>TRUCK</b>	1 12.5%						1 12.5%			2 12.5%		
<b>BOTH</b>	8 50.0%						8 50.0%			16 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 211th St & Prairie Baptist Rd  
 9/6/2012  
 KDP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		12	1	13						28	1	29
SOUTHBOUND	1	13		14					1	20		21
WESTBOUND	2		1	3					0		1	1

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.65				0.73	
SOUTHBOUND	0.70	0.75			0.75	0.91
WESTBOUND	0.38				0.25	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		8.3%	100.0%	23.1%						0.0%	100.0%	3.4%
SOUTHBOUND	0.0%	7.7%		7.1%					0.0%	10.0%		9.5%
WESTBOUND	0.0%		0.0%	0.0%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	14	11	25		3	3	28
7:00 AM	TO	8:00 AM	7	11	18		1	1	19
8:00 AM	TO	9:00 AM	9	8	17		2	2	19
3:00 PM	TO	4:00 PM	8	13	21		0	0	21
4:00 PM	TO	5:00 PM	25	8	33		1	1	34
5:00 PM	TO	6:00 PM	29	21	50		1	1	51
6:00 PM	TO	7:00 PM	10	5	15		0	0	15
TOTAL VOLUME			102	77	179		8	8	187
PERCENTAGE			54.5%	41.2%	95.7%		4.3%	4.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
211th St & Prairie Baptist Rd  
9/6/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				12	1	13	0	1	1	12	2	14
7:00 AM - 8:00 AM				7	0	7	0	0	0	7	0	7
8:00 AM - 9:00 AM				8	0	8	0	1	1	8	1	9
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				7	0	7	0	1	1	7	1	8
4:00 PM - 5:00 PM				23	0	23	2	0	2	25	0	25
5:00 PM - 6:00 PM				28	0	28	0	1	1	28	1	29
6:00 PM - 7:00 PM				10	0	10	0	0	0	10	0	10
<b>PASSENGER</b>				95 99.0%			2 33.3%			97 95.1%		
<b>TRUCK</b>				1 1.0%			4 66.7%			5 4.9%		
<b>BOTH</b>				96 94.1%			6 5.9%			102 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1	9	1	10				10	1	11
7:00 AM - 8:00 AM	0	0	0	11	0	11				11	0	11
8:00 AM - 9:00 AM	0	0	0	8	0	8				8	0	8
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	13	0	13				13	0	13
4:00 PM - 5:00 PM	1	0	1	6	1	7				7	1	8
5:00 PM - 6:00 PM	1	0	1	18	2	20				19	2	21
6:00 PM - 7:00 PM	0	0	0	5	0	5				5	0	5
<b>PASSENGER</b>	3 100.0%			70 94.6%						73 94.8%		
<b>TRUCK</b>	0 0.0%			4 5.4%						4 5.2%		
<b>BOTH</b>	3 3.9%			74 96.1%						77 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	0	2				1	0	1	3	0	3
7:00 AM - 8:00 AM	1	0	1				0	0	0	1	0	1
8:00 AM - 9:00 AM	1	1	2				0	0	0	1	1	2
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0				0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0				1	0	1	1	0	1
5:00 PM - 6:00 PM	0	0	0				1	0	1	1	0	1
6:00 PM - 7:00 PM	0	0	0				0	0	0	0	0	0
<b>PASSENGER</b>	4 80.0%						3 100.0%			7 87.5%		
<b>TRUCK</b>	1 20.0%						0 0.0%			1 12.5%		
<b>BOTH</b>	5 62.5%						3 37.5%			8 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 211th ST & Cyntheanne Rd  
 1/16/2013  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	4		4					0	8		8
SOUTHBOUND		4	0	4						9	0	9
EASTBOUND	1		1	2					0		1	1

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.33				0.50	
SOUTHBOUND	0.50	0.63			0.56	0.75
EASTBOUND	0.50				0.25	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%		0.0%					0.0%	0.0%		0.0%
SOUTHBOUND		0.0%	0.0%	0.0%						0.0%	0.0%	0.0%
EASTBOUND	100.0%		0.0%	50.0%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0	4	4	0		0	4
7:00 AM	TO	8:00 AM	1	7	8	1		1	9
8:00 AM	TO	9:00 AM	5	4	9	1		1	10
3:00 PM	TO	4:00 PM	1	2	3	2		2	5
4:00 PM	TO	5:00 PM	8	8	16	1		1	17
5:00 PM	TO	6:00 PM	8	2	10	1		1	11
6:00 PM	TO	7:00 PM	6	4	10	0		0	10
TOTAL VOLUME			29	31	60	6		6	66
PERCENTAGE			43.9%	47.0%	90.9%	9.1%		9.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
211th ST & Cyntheanne Rd  
1/16/2013

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0	0	0	0				0	0	0
7:00 AM - 8:00 AM	1	0	1	0	0	0				1	0	1
8:00 AM - 9:00 AM	0	0	0	5	0	5				5	0	5
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	1	0	1				1	0	1
4:00 PM - 5:00 PM	0	0	0	8	0	8				8	0	8
5:00 PM - 6:00 PM	0	0	0	8	0	8				8	0	8
6:00 PM - 7:00 PM	1	0	1	5	0	5				6	0	6
PASSENGER	2 100.0%			27 100.0%						29 100.0%		
TRUCK	0 0.0%			0 0.0%						0 0.0%		
BOTH	2 6.9%			27 93.1%						29 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				4	0	4	0	0	0	4	0	4
7:00 AM - 8:00 AM				7	0	7	0	0	0	7	0	7
8:00 AM - 9:00 AM				4	0	4	0	0	0	4	0	4
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				1	0	1	0	1	1	1	1	2
4:00 PM - 5:00 PM				8	0	8	0	0	0	8	0	8
5:00 PM - 6:00 PM				2	0	2	0	0	0	2	0	2
6:00 PM - 7:00 PM				4	0	4	0	0	0	4	0	4
PASSENGER				30 100.0%			0 0.0%			30 96.8%		
TRUCK				0 0.0%			1 100.0%			1 3.2%		
BOTH				30 96.8%			1 3.2%			31 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0				0	0	0	0	0	0
7:00 AM - 8:00 AM	0	1	1				0	0	0	0	1	1
8:00 AM - 9:00 AM	0	0	0				1	0	1	1	0	1
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	2	2				0	0	0	0	2	2
4:00 PM - 5:00 PM	0	0	0				1	0	1	1	0	1
5:00 PM - 6:00 PM	1	0	1				0	0	0	1	0	1
6:00 PM - 7:00 PM	0	0	0				0	0	0	0	0	0
PASSENGER	1 25.0%						2 100.0%			3 50.0%		
TRUCK	3 75.0%						0 0.0%			3 50.0%		
BOTH	4 66.7%						2 33.3%			6 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 Hinkle Rd. & 216th St. (#204)  
 6/27/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	2	16	8	26					4	16	58	78
SOUTHBOUND	1	10	2	13					4	4	0	8
EASTBOUND	0	18	8	26					0	79	5	84
WESTBOUND	40	61	8	109					14	25	5	44

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.72	0.89			0.89	0.92
SOUTHBOUND	0.46				0.67	
EASTBOUND	0.72				0.95	
WESTBOUND	0.94				0.85	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	1.7%	1.3%
SOUTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	11.1%	0.0%	7.7%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					7.1%	0.0%	0.0%	2.3%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	10	5	15	7	76	83	98
7:00 AM	TO	8:00 AM	26	13	39	26	109	135	174
8:00 AM	TO	9:00 AM	22	16	38	17	44	61	99
9:00 AM	TO	10:00 AM	0	0	0	0	0	0	0
3:00 PM	TO	4:00 PM	30	4	34	26	18	44	78
4:00 PM	TO	5:00 PM	53	13	66	61	52	113	179
5:00 PM	TO	6:00 PM	78	8	86	84	44	128	214
6:00 PM	TO	7:00 PM	35	3	38	41	16	57	95
TOTAL VOLUME			254	62	316	262	359	621	937
PERCENTAGE			27.1%	6.6%	33.7%	28.0%	38.3%	66.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Hinkle Rd. & 216th St. (#204)  
6/27/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	3	0	3	7	0	7	0	0	0	10	0	10
7:00 AM - 8:00 AM	2	0	2	16	0	16	8	0	8	26	0	26
8:00 AM - 9:00 AM	6	0	6	13	0	13	3	0	3	22	0	22
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	0	2	11	0	11	17	0	17	30	0	30
4:00 PM - 5:00 PM	6	0	6	13	0	13	34	0	34	53	0	53
5:00 PM - 6:00 PM	4	0	4	16	0	16	57	1	58	77	1	78
6:00 PM - 7:00 PM	0	0	0	9	0	9	26	0	26	35	0	35
PASSENGER	23 100.0%			85 100.0%			145 99.3%			253 99.6%		
TRUCK	0 0.0%			0 0.0%			1 0.7%			1 0.4%		
BOTH	23 9.1%			85 33.5%			146 57.5%			254 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	5	0	5	0	0	0	5	0	5
7:00 AM - 8:00 AM	1	0	1	10	0	10	2	0	2	13	0	13
8:00 AM - 9:00 AM	3	0	3	12	0	12	1	0	1	16	0	16
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	2	0	2	1	0	1	4	0	4
4:00 PM - 5:00 PM	3	0	3	8	1	9	1	0	1	12	1	13
5:00 PM - 6:00 PM	4	0	4	4	0	4	0	0	0	8	0	8
6:00 PM - 7:00 PM	1	0	1	2	0	2	0	0	0	3	0	3
PASSENGER	13 100.0%			43 97.7%			5 100.0%			61 98.4%		
TRUCK	0 0.0%			1 2.3%			0 0.0%			1 1.6%		
BOTH	13 21.0%			44 71.0%			5 8.1%			62 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	7	0	7	0	0	0	7	0	7
7:00 AM - 8:00 AM	0	0	0	16	2	18	8	0	8	24	2	26
8:00 AM - 9:00 AM	1	0	1	13	0	13	3	0	3	17	0	17
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	25	0	25	1	0	1	26	0	26
4:00 PM - 5:00 PM	4	0	4	53	0	53	4	0	4	61	0	61
5:00 PM - 6:00 PM	0	0	0	79	0	79	5	0	5	84	0	84
6:00 PM - 7:00 PM	0	0	0	36	1	37	4	0	4	40	1	41
PASSENGER	5 100.0%			229 98.7%			25 100.0%			259 98.9%		
TRUCK	0 0.0%			3 1.3%			0 0.0%			3 1.1%		
BOTH	5 1.9%			232 88.5%			25 9.5%			262 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	23	0	23	47	2	49	4	0	4	74	2	76
7:00 AM - 8:00 AM	40	0	40	61	0	61	8	0	8	109	0	109
8:00 AM - 9:00 AM	15	1	16	23	1	24	4	0	4	42	2	44
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	6	0	6	11	0	11	1	0	1	18	0	18
4:00 PM - 5:00 PM	14	0	14	32	2	34	4	0	4	50	2	52
5:00 PM - 6:00 PM	13	1	14	25	0	25	5	0	5	43	1	44
6:00 PM - 7:00 PM	2	0	2	12	0	12	2	0	2	16	0	16
PASSENGER	113 98.3%			211 97.7%			28 100.0%			352 98.1%		
TRUCK	2 1.7%			5 2.3%			0 0.0%			7 1.9%		
BOTH	115 32.0%			216 60.2%			28 7.8%			359 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 216th St & Little Chicago Rd (#205)  
 10/11/2012  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	91		2	93					54		6	60
EASTBOUND		5	43	48						45	111	156
WESTBOUND	6	23		29					4	7		11

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.83				0.63	
EASTBOUND	0.75	0.89			0.83	0.90
WESTBOUND	0.60				0.69	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%		0.0%	0.0%					1.9%		0.0%	1.7%
EASTBOUND		40.0%	4.7%	8.3%						0.0%	0.9%	0.6%
WESTBOUND	16.7%	4.3%		6.9%					0.0%	0.0%		0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	63		63	22	17	39	102
7:00 AM	TO	8:00 AM	98		98	49	22	71	169
8:00 AM	TO	9:00 AM	57		57	39	18	57	114
3:00 PM	TO	4:00 PM	24		24	30	8	38	62
4:00 PM	TO	5:00 PM	42		42	110	10	120	162
5:00 PM	TO	6:00 PM	61		61	153	11	164	225
6:00 PM	TO	7:00 PM	28		28	55	5	60	88
TOTAL VOLUME			373		373	458	91	549	922
PERCENTAGE			40.5%		40.5%	49.7%	9.9%	59.5%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
216th St & Little Chicago Rd (#205)  
10/11/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	61	1	62				0	1	1	61	2	63
7:00 AM - 8:00 AM	97	0	97				1	0	1	98	0	98
8:00 AM - 9:00 AM	51	2	53				4	0	4	55	2	57
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	21	1	22				2	0	2	23	1	24
4:00 PM - 5:00 PM	38	2	40				2	0	2	40	2	42
5:00 PM - 6:00 PM	54	1	55				6	0	6	60	1	61
6:00 PM - 7:00 PM	25	0	25				3	0	3	28	0	28
<b>PASSENGER</b>	347 98.0%						18 94.7%			365 97.9%		
<b>TRUCK</b>	7 2.0%						1 5.3%			8 2.1%		
<b>BOTH</b>	354 94.9%						19 5.1%			373 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				2	0	2	20	0	20	22	0	22
7:00 AM - 8:00 AM				3	2	5	42	2	44	45	4	49
8:00 AM - 9:00 AM				5	0	5	32	2	34	37	2	39
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				9	0	9	20	1	21	29	1	30
4:00 PM - 5:00 PM				30	0	30	80	0	80	110	0	110
5:00 PM - 6:00 PM				39	0	39	113	1	114	152	1	153
6:00 PM - 7:00 PM				9	0	9	45	1	46	54	1	55
<b>PASSENGER</b>				97 98.0%			352 98.1%			449 98.0%		
<b>TRUCK</b>				2 2.0%			7 1.9%			9 2.0%		
<b>BOTH</b>				99 21.6%			359 78.4%			458 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	1	3	14	0	14				16	1	17
7:00 AM - 8:00 AM	5	1	6	15	1	16				20	2	22
8:00 AM - 9:00 AM	4	0	4	14	0	14				18	0	18
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	2	0	2	6	0	6				8	0	8
4:00 PM - 5:00 PM	0	0	0	10	0	10				10	0	10
5:00 PM - 6:00 PM	5	0	5	6	0	6				11	0	11
6:00 PM - 7:00 PM	1	0	1	4	0	4				5	0	5
<b>PASSENGER</b>	19 90.5%			69 98.6%						88 96.7%		
<b>TRUCK</b>	2 9.5%			1 1.4%						3 3.3%		
<b>BOTH</b>	21 23.1%			70 76.9%						91 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 216th St & Mill Creek Rd (#206)  
 6/29/2012  
 CP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 8:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	2	14		16					7	38	
SOUTHBOUND		36	5	41						46	9	55
EASTBOUND	5		9	14					21		13	34

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.80				0.66
SOUTHBOUND	0.93	0.81			0.81	0.80
EASTBOUND	0.50				0.77	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	7.1%		6.3%					0.0%	0.0%	
SOUTHBOUND		0.0%	0.0%	0.0%						0.0%	11.1%	1.8%
EASTBOUND	0.0%		0.0%	0.0%					4.8%		0.0%	2.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	11	28	39	9		9	48
7:00 AM	TO	8:00 AM	25	31	56	12		12	68
8:00 AM	TO	9:00 AM	16	41	57	14		14	71
3:00 PM	TO	4:00 PM	16	9	25	5		5	30
4:00 PM	TO	5:00 PM	39	54	93	10		10	103
5:00 PM	TO	6:00 PM	45	55	100	34		34	134
6:00 PM	TO	7:00 PM	20	19	39	18		18	57
TOTAL VOLUME			172	237	409	102		102	511
PERCENTAGE			33.7%	46.4%	80.0%	20.0%		20.0%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
216th St & Mill Creek Rd (#206)  
6/29/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	2	0	2	9	0	9				11	0	11
7:00 AM - 8:00 AM	8	0	8	17	0	17				25	0	25
8:00 AM - 9:00 AM	2	0	2	13	1	14				15	1	16
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	3	0	3	13	0	13				16	0	16
4:00 PM - 5:00 PM	8	0	8	31	0	31				39	0	39
5:00 PM - 6:00 PM	7	0	7	38	0	38				45	0	45
6:00 PM - 7:00 PM	4	0	4	16	0	16				20	0	20
<b>PASSENGER</b>	34 100.0%			137 99.3%						171 99.4%		
<b>TRUCK</b>	0 0.0%			1 0.7%						1 0.6%		
<b>BOTH</b>	34 19.8%			138 80.2%						172 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				23	0	23	5	0	5	28	0	28
7:00 AM - 8:00 AM				24	0	24	7	0	7	31	0	31
8:00 AM - 9:00 AM				36	0	36	5	0	5	41	0	41
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				6	1	7	2	0	2	8	1	9
4:00 PM - 5:00 PM				44	0	44	10	0	10	54	0	54
5:00 PM - 6:00 PM				46	0	46	8	1	9	54	1	55
6:00 PM - 7:00 PM				18	0	18	1	0	1	19	0	19
<b>PASSENGER</b>				197 99.5%			38 97.4%			235 99.2%		
<b>TRUCK</b>				1 0.5%			1 2.6%			2 0.8%		
<b>BOTH</b>				198 83.5%			39 16.5%			237 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	5	0	5				3	1	4	8	1	9
7:00 AM - 8:00 AM	4	0	4				8	0	8	12	0	12
8:00 AM - 9:00 AM	5	0	5				9	0	9	14	0	14
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	2	0	2				3	0	3	5	0	5
4:00 PM - 5:00 PM	7	1	8				2	0	2	9	1	10
5:00 PM - 6:00 PM	20	1	21				13	0	13	33	1	34
6:00 PM - 7:00 PM	9	0	9				9	0	9	18	0	18
<b>PASSENGER</b>	52 96.3%						47 97.9%			99 97.1%		
<b>TRUCK</b>	2 3.7%						1 2.1%			3 2.9%		
<b>BOTH</b>	54 52.9%						48 47.1%			102 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 Stringtown Pike & 216th St. (#207)  
 6/28/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	5	41	21	67					12	167	29
SOUTHBOUND	39	95	4	138					23	91	3	117
EASTBOUND	2	28	18	48					3	5	8	16
WESTBOUND	19	5	6	30					38	8	58	104

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.70					0.93
SOUTHBOUND	0.91	0.94				0.91	0.93
EASTBOUND	0.75					0.50	
WESTBOUND	0.68					0.84	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	0.0%	2.4%	0.0%	1.5%					0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	1.1%	0.0%	0.7%					0.0%	2.2%	0.0%	1.7%
EASTBOUND	50.0%	50.0%	50.0%	50.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	20	101	121	18	13	31	152
7:00 AM	TO	8:00 AM	51	145	196	56	26	82	278
8:00 AM	TO	9:00 AM	74	121	195	42	36	78	273
9:00 AM	TO	10:00 AM	2	1	3	0	0	0	3
3:00 PM	TO	4:00 PM	66	48	114	10	38	48	162
4:00 PM	TO	5:00 PM	188	122	310	10	78	88	398
5:00 PM	TO	6:00 PM	206	119	325	15	93	108	433
6:00 PM	TO	7:00 PM	97	53	150	6	58	64	214
TOTAL VOLUME			704	710	1414	157	342	499	1913
PERCENTAGE			36.8%	37.1%	73.9%	8.2%	17.9%	26.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
Stringtown Pike & 216th St. (#207)  
6/28/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	10	0	10	10	0	10	20	0	20
7:00 AM - 8:00 AM	3	0	3	30	2	32	16	0	16	49	2	51
8:00 AM - 9:00 AM	5	0	5	46	0	46	22	1	23	73	1	74
9:00 AM - 10:00 AM	0	0	0	1	0	1	1	0	1	2	0	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	7	0	7	45	1	46	13	0	13	65	1	66
4:00 PM - 5:00 PM	8	1	9	157	0	157	22	0	22	187	1	188
5:00 PM - 6:00 PM	11	0	11	161	1	162	32	1	33	204	2	206
6:00 PM - 7:00 PM	6	0	6	77	1	78	13	0	13	96	1	97
PASSENGER	40 97.6%			527 99.1%			129 98.5%			696 98.9%		
TRUCK	1 2.4%			5 0.9%			2 1.5%			8 1.1%		
BOTH	41 5.8%			532 75.6%			131 18.6%			704 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	19	0	19	81	0	81	1	0	1	101	0	101
7:00 AM - 8:00 AM	50	0	50	89	2	91	4	0	4	143	2	145
8:00 AM - 9:00 AM	19	0	19	99	0	99	3	0	3	121	0	121
9:00 AM - 10:00 AM	0	0	0	1	0	1	0	0	0	1	0	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	14	0	14	34	0	34	0	0	0	48	0	48
4:00 PM - 5:00 PM	18	1	19	96	0	96	7	0	7	121	1	122
5:00 PM - 6:00 PM	23	0	23	91	1	92	4	0	4	118	1	119
6:00 PM - 7:00 PM	8	0	8	42	1	43	2	0	2	52	1	53
PASSENGER	151 99.3%			533 99.3%			21 100.0%			705 99.3%		
TRUCK	1 0.7%			4 0.7%			0 0.0%			5 0.7%		
BOTH	152 21.4%			537 75.6%			21 3.0%			710 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	1	2	5	5	10	3	3	6	9	9	18
7:00 AM - 8:00 AM	1	1	2	16	16	32	11	11	22	28	28	56
8:00 AM - 9:00 AM	3	3	6	9	9	18	9	9	18	21	21	42
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	4	0	4	5	0	5	10	0	10
4:00 PM - 5:00 PM	0	1	1	1	0	1	6	2	8	7	3	10
5:00 PM - 6:00 PM	2	0	2	6	0	6	7	0	7	15	0	15
6:00 PM - 7:00 PM	2	0	2	2	0	2	2	0	2	6	0	6
PASSENGER	10 62.5%			43 58.9%			43 63.2%			96 61.1%		
TRUCK	6 37.5%			30 41.1%			25 36.8%			61 38.9%		
BOTH	16 10.2%			73 46.5%			68 43.3%			157 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	6	0	6	2	0	2	5	0	5	13	0	13
7:00 AM - 8:00 AM	14	0	14	5	0	5	7	0	7	26	0	26
8:00 AM - 9:00 AM	23	1	24	5	0	5	7	0	7	35	1	36
9:00 AM - 10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	17	0	17	3	0	3	18	0	18	38	0	38
4:00 PM - 5:00 PM	36	0	36	4	0	4	37	1	38	77	1	78
5:00 PM - 6:00 PM	29	0	29	8	0	8	56	0	56	93	0	93
6:00 PM - 7:00 PM	22	0	22	7	0	7	29	0	29	58	0	58
PASSENGER	147 99.3%			34 100.0%			159 99.4%			340 99.4%		
TRUCK	1 0.7%			0 0.0%			1 0.6%			2 0.6%		
BOTH	148 43.3%			34 9.9%			160 46.8%			342 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :

City of Noblesville  
 SR 19 & 216th St (#208)  
 7/2/2012

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	6	139		145					61	471		532
SOUTHBOUND		442	25	467						323	36	359
EASTBOUND	31		59	90					23		29	52

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.93				0.92	
SOUTHBOUND	0.93	0.91			0.93	0.96
EASTBOUND	0.80				0.65	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	7.2%		6.9%					0.0%	1.7%		1.5%
SOUTHBOUND		1.1%	0.0%	1.1%						1.2%	0.0%	1.1%
EASTBOUND	0.0%		1.7%	1.1%					4.3%		0.0%	1.9%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	100	312	412	43		43	455
7:00 AM	TO	8:00 AM	133	460	593	94		94	687
8:00 AM	TO	9:00 AM	161	354	515	64		64	579
3:00 PM	TO	4:00 PM	203	165	368	19		19	387
4:00 PM	TO	5:00 PM	528	344	872	45		45	917
5:00 PM	TO	6:00 PM	505	336	841	66		66	907
6:00 PM	TO	7:00 PM	187	133	320	36		36	356
TOTAL VOLUME			1817	2104	3921	367		367	4288
PERCENTAGE			42.4%	49.1%	91.4%	8.6%		8.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
SR 19 & 216th St (#208)  
7/2/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	6	0	6	88	6	94				94	6	100
7:00 AM - 8:00 AM	8	0	8	118	7	125				126	7	133
8:00 AM - 9:00 AM	6	0	6	148	7	155				154	7	161
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	19	0	19	181	3	184				200	3	203
4:00 PM - 5:00 PM	62	0	62	461	5	466				523	5	528
5:00 PM - 6:00 PM	67	1	68	432	5	437				499	6	505
6:00 PM - 7:00 PM	21	0	21	165	1	166				186	1	187
PASSENGER	189 99.5%			1593 97.9%						1782 98.1%		
TRUCK	1 0.5%			34 2.1%						35 1.9%		
BOTH	190 10.5%			1627 89.5%						1817 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				303	1	304	8	0	8	311	1	312
7:00 AM - 8:00 AM				439	3	442	18	0	18	457	3	460
8:00 AM - 9:00 AM				322	7	329	25	0	25	347	7	354
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				141	4	145	20	0	20	161	4	165
4:00 PM - 5:00 PM				313	6	319	25	0	25	338	6	344
5:00 PM - 6:00 PM				284	1	285	51	0	51	335	1	336
6:00 PM - 7:00 PM				115	1	116	17	0	17	132	1	133
PASSENGER				1917 98.8%			164 100.0%			2081 98.9%		
TRUCK				23 1.2%			0 0.0%			23 1.1%		
BOTH				1940 92.2%			164 7.8%			2104 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	15	0	15				28	0	28	43	0	43
7:00 AM - 8:00 AM	31	0	31				63	0	63	94	0	94
8:00 AM - 9:00 AM	26	0	26				37	1	38	63	1	64
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	11	0	11				8	0	8	19	0	19
4:00 PM - 5:00 PM	21	0	21				24	0	24	45	0	45
5:00 PM - 6:00 PM	31	1	32				34	0	34	65	1	66
6:00 PM - 7:00 PM	17	0	17				19	0	19	36	0	36
PASSENGER	152 99.3%						213 99.5%			365 99.5%		
TRUCK	1 0.7%						1 0.5%			2 0.5%		
BOTH	153 41.7%						214 58.3%			367 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

Noblesville  
216th St/private driveway & SR 37 (#209)  
9/11/2012  
KDP & AJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:00 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1	288	11	300					4	536	20
SOUTHBOUND	2	524	0	526					6	386	1	393
EASTBOUND	1	0	5	6					0	1	2	3
WESTBOUND	10	0	4	14					14	1	7	22

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.93					0.78
SOUTHBOUND	0.83	0.85				0.85	0.89
EASTBOUND	0.75					0.38	
WESTBOUND	0.58					0.69	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	100.0%	9.4%	18.2%	10.0%					0.0%	1.1%	0.0%
SOUTHBOUND	0.0%	4.6%	0.0%	4.6%					16.7%	7.8%	0.0%	7.9%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	10.0%	0.0%	0.0%	7.1%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	184	484	668	4	4	8	676
7:00 AM	TO	8:00 AM	300	526	826	6	14	20	846
8:00 AM	TO	9:00 AM	229	358	587	6	12	18	605
3:00 PM	TO	4:00 PM	197	164	361	2	11	13	374
4:00 PM	TO	5:00 PM	513	343	856	2	19	21	877
5:00 PM	TO	6:00 PM	560	393	953	3	22	25	978
6:00 PM	TO	7:00 PM	211	156	367	1	15	16	383
TOTAL VOLUME			2194	2424	4618	24	97	121	4739
PERCENTAGE			46.3%	51.2%	97.4%	0.5%	2.0%	2.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
216th St/private driveway & SR 37 (#209)  
9/11/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	157	26	183	1	0	1	158	26	184
7:00 AM - 8:00 AM	0	1	1	261	27	288	9	2	11	270	30	300
8:00 AM - 9:00 AM	1	0	1	173	45	218	9	1	10	183	46	229
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	179	11	190	5	1	6	185	12	197
4:00 PM - 5:00 PM	4	0	4	481	9	490	18	1	19	503	10	513
5:00 PM - 6:00 PM	4	0	4	530	6	536	20	0	20	554	6	560
6:00 PM - 7:00 PM	3	0	3	193	6	199	9	0	9	205	6	211
PASSENGER	13 92.9%			1974 93.8%			71 93.4%			2058 93.8%		
TRUCK	1 7.1%			130 6.2%			5 6.6%			136 6.2%		
BOTH	14 0.6%			2104 95.9%			76 3.5%			2194 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	4	1	5	470	8	478	1	0	1	475	9	484
7:00 AM - 8:00 AM	2	0	2	500	24	524	0	0	0	502	24	526
8:00 AM - 9:00 AM	1	1	2	326	30	356	0	0	0	327	31	358
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	1	1	150	13	163	0	0	0	150	14	164
4:00 PM - 5:00 PM	4	1	5	320	18	338	0	0	0	324	19	343
5:00 PM - 6:00 PM	5	1	6	356	30	386	1	0	1	362	31	393
6:00 PM - 7:00 PM	0	0	0	145	9	154	2	0	2	147	9	156
PASSENGER	16 76.2%			2267 94.5%			4 100.0%			2287 94.3%		
TRUCK	5 23.8%			132 5.5%			0 0.0%			137 5.7%		
BOTH	21 0.9%			2399 99.0%			4 0.2%			2424 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	0	0	0	2	0	2	4	0	4
7:00 AM - 8:00 AM	1	0	1	0	0	0	5	0	5	6	0	6
8:00 AM - 9:00 AM	0	0	0	0	0	0	5	1	6	5	1	6
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	2	0	2	2	0	2
4:00 PM - 5:00 PM	0	0	0	0	0	0	2	0	2	2	0	2
5:00 PM - 6:00 PM	0	0	0	1	0	1	2	0	2	3	0	3
6:00 PM - 7:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
PASSENGER	3 100.0%			1 100.0%			19 95.0%			23 95.8%		
TRUCK	0 0.0%			0 0.0%			1 5.0%			1 4.2%		
BOTH	3 12.5%			1 4.2%			20 83.3%			24 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	0	0	0	2	0	2	4	0	4
7:00 AM - 8:00 AM	9	1	10	0	0	0	4	0	4	13	1	14
8:00 AM - 9:00 AM	6	1	7	0	0	0	2	3	5	8	4	12
PM TIME PERIOD												
3:00 PM - 4:00 PM	8	0	8	0	0	0	1	2	3	9	2	11
4:00 PM - 5:00 PM	12	0	12	0	0	0	7	0	7	19	0	19
5:00 PM - 6:00 PM	14	0	14	1	0	1	7	0	7	22	0	22
6:00 PM - 7:00 PM	11	0	11	0	0	0	4	0	4	15	0	15
PASSENGER	62 96.9%			1 100.0%			27 84.4%			90 92.8%		
TRUCK	2 3.1%			0 0.0%			5 15.6%			7 7.2%		
BOTH	64 66.0%			1 1.0%			32 33.0%			97 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 216th St & Creek Rd  
 9/5/2012  
 KDP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1		1	2					9		5
EASTBOUND		5	4	9						13	3	16
WESTBOUND	3	3		6					5	28		33

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.25	0.47			0.58
EASTBOUND	0.45				0.80	
WESTBOUND	0.50				0.59	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	100.0%		0.0%	50.0%					0.0%		0.0%
EASTBOUND		20.0%	0.0%	11.1%						0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%		0.0%					0.0%	0.0%		0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	2		2	6	5	11	13
7:00 AM	TO	8:00 AM	1		1	4	5	9	10
8:00 AM	TO	9:00 AM	1		1	10	6	16	17
3:00 PM	TO	4:00 PM	4		4	9	7	16	20
4:00 PM	TO	5:00 PM	11		11	17	11	28	39
5:00 PM	TO	6:00 PM	10		10	12	32	44	54
6:00 PM	TO	7:00 PM	1		1	4	3	7	8
TOTAL VOLUME			30		30	62	69	131	161
PERCENTAGE			18.6%		18.6%	38.5%	42.9%	81.4%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
216th St & Creek Rd  
9/5/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1				1	0	1	1	1	2
7:00 AM - 8:00 AM	0	1	1				0	0	0	0	1	1
8:00 AM - 9:00 AM	0	0	0				0	1	1	0	1	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	2	1	3				0	1	1	2	2	4
4:00 PM - 5:00 PM	7	0	7				4	0	4	11	0	11
5:00 PM - 6:00 PM	5	0	5				5	0	5	10	0	10
6:00 PM - 7:00 PM	1	0	1				0	0	0	1	0	1
PASSENGER	15 83.3%						10 83.3%			25 83.3%		
TRUCK	3 16.7%						2 16.7%			5 16.7%		
BOTH	18 60.0%						12 40.0%			30 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				2	1	3	3	0	3	5	1	6
7:00 AM - 8:00 AM				3	0	3	1	0	1	4	0	4
8:00 AM - 9:00 AM				8	1	9	0	1	1	8	2	10
PM TIME PERIOD												
3:00 PM - 4:00 PM				8	1	9	0	0	0	8	1	9
4:00 PM - 5:00 PM				14	0	14	1	2	3	15	2	17
5:00 PM - 6:00 PM				9	0	9	3	0	3	12	0	12
6:00 PM - 7:00 PM				3	0	3	1	0	1	4	0	4
PASSENGER				47 94.0%			9 75.0%			56 90.3%		
TRUCK				3 6.0%			3 25.0%			6 9.7%		
BOTH				50 80.6%			12 19.4%			62 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	2	0	2	3	0	3				5	0	5
7:00 AM - 8:00 AM	2	0	2	3	0	3				5	0	5
8:00 AM - 9:00 AM	1	0	1	2	3	5				3	3	6
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	1	2	5	0	5				6	1	7
4:00 PM - 5:00 PM	2	0	2	8	1	9				10	1	11
5:00 PM - 6:00 PM	4	0	4	28	0	28				32	0	32
6:00 PM - 7:00 PM	0	0	0	3	0	3				3	0	3
PASSENGER	12 92.3%			52 92.9%						64 92.8%		
TRUCK	1 7.7%			4 7.1%						5 7.2%		
BOTH	13 18.8%			56 81.2%						69 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
216th St & Victory Chapel Rd (#211)  
8/28/2012  
AAJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:45 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	2	2	4					0	5	0	5
SOUTHBOUND	0	1	0	1					0	1	1	2
EASTBOUND	0	2	0	2					3	12	0	15
WESTBOUND	2	8	0	10					1	3	0	4

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	1.00				0.63	
SOUTHBOUND	0.25	0.71			0.50	0.81
EASTBOUND	0.50				0.94	
WESTBOUND	0.63				0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	100.0%	0.0%	100.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	0.0%	0.0%	0.0%					33.3%	0.0%	0.0%	6.7%
WESTBOUND	50.0%	0.0%	0.0%	10.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	2	2	4	2	4	6	10
7:00 AM	TO	8:00 AM	3	1	4	3	10	13	17
8:00 AM	TO	9:00 AM	0	1	1	6	4	10	11
3:00 PM	TO	4:00 PM	0	1	1	4	1	5	6
4:00 PM	TO	5:00 PM	5	4	9	4	3	7	16
5:00 PM	TO	6:00 PM	4	2	6	11	2	13	19
6:00 PM	TO	7:00 PM	2	1	3	7	3	10	13
TOTAL VOLUME			16	12	28	37	27	64	92
PERCENTAGE			17.4%	13.0%	30.4%	40.2%	29.3%	69.6%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
216th St & Victory Chapel Rd (#211)  
8/28/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1	0	0	0	1	0	1	1	1	2
7:00 AM - 8:00 AM	0	0	0	2	0	2	1	0	1	3	0	3
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	5	0	5	0	0	0	5	0	5
5:00 PM - 6:00 PM	0	0	0	4	0	4	0	0	0	4	0	4
6:00 PM - 7:00 PM	0	0	0	2	0	2	0	0	0	2	0	2
PASSENGER	0 0.0%			13 100.0%			2 100.0%			15 93.8%		
TRUCK	1 100.0%			0 0.0%			0 0.0%			1 6.3%		
BOTH	1 6.3%			13 81.3%			2 12.5%			16 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	1	0	1	1	0	1	2	0	2
7:00 AM - 8:00 AM	0	0	0	0	1	1	0	0	0	0	1	1
8:00 AM - 9:00 AM	0	0	0	0	0	0	1	0	1	1	0	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	1	1	0	1	1
4:00 PM - 5:00 PM	1	0	1	2	0	2	1	0	1	4	0	4
5:00 PM - 6:00 PM	0	0	0	1	0	1	1	0	1	2	0	2
6:00 PM - 7:00 PM	0	0	0	1	0	1	0	0	0	1	0	1
PASSENGER	1 100.0%			5 83.3%			4 80.0%			10 83.3%		
TRUCK	0 0.0%			1 16.7%			1 20.0%			2 16.7%		
BOTH	1 8.3%			6 50.0%			5 41.7%			12 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	1	1	2	0	0	0	1	1	2
7:00 AM - 8:00 AM	0	0	0	3	0	3	0	0	0	3	0	3
8:00 AM - 9:00 AM	0	0	0	5	1	6	0	0	0	5	1	6
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	4	0	4	0	0	0	4	0	4
4:00 PM - 5:00 PM	1	0	1	3	0	3	0	0	0	4	0	4
5:00 PM - 6:00 PM	1	1	2	9	0	9	0	0	0	10	1	11
6:00 PM - 7:00 PM	2	0	2	5	0	5	0	0	0	7	0	7
PASSENGER	4 80.0%			30 93.8%			0 #DIV/0!			34 91.9%		
TRUCK	1 20.0%			2 6.3%			0 #DIV/0!			3 8.1%		
BOTH	5 13.5%			32 86.5%			0 0.0%			37 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	4	0	4	0	0	0	4	0	4
7:00 AM - 8:00 AM	1	1	2	8	0	8	0	0	0	9	1	10
8:00 AM - 9:00 AM	0	1	1	2	1	3	0	0	0	2	2	4
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	1	1	0	0	0	0	1	1
4:00 PM - 5:00 PM	0	1	1	1	0	1	1	0	1	2	1	3
5:00 PM - 6:00 PM	0	0	0	2	0	2	0	0	0	2	0	2
6:00 PM - 7:00 PM	2	0	2	1	0	1	0	0	0	3	0	3
PASSENGER	3 50.0%			18 90.0%			1 100.0%			22 81.5%		
TRUCK	3 50.0%			2 10.0%			0 0.0%			5 18.5%		
BOTH	6 22.2%			20 74.1%			1 3.7%			27 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
216th Street & Olio Road (#212)  
9/5/2012  
AAJ

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 7:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0	0	0	0					0	3	0	3
SOUTHBOUND	0	1	1	2					0	1	0	1
EASTBOUND	0	3	0	3					1	11	0	12
WESTBOUND	0	4	0	4					0	5	1	6

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	#DIV/0!				0.38	
SOUTHBOUND	0.50	0.75			0.25	0.69
EASTBOUND	0.75				0.60	
WESTBOUND	0.50				0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%	100.0%	50.0%					0.0%	0.0%	0.0%	0.0%
EASTBOUND	0.0%	33.3%	0.0%	33.3%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	25.0%	0.0%	25.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	0	1	1	2	3	5	6
7:00 AM	TO	8:00 AM	0	1	1	3	3	6	7
8:00 AM	TO	9:00 AM	1	1	2	2	3	5	7
3:00 PM	TO	4:00 PM	0	2	2	2	1	3	5
4:00 PM	TO	5:00 PM	0	2	2	7	7	14	16
5:00 PM	TO	6:00 PM	3	1	4	13	5	18	22
6:00 PM	TO	7:00 PM	1	1	2	1	1	2	4
TOTAL VOLUME			5	9	14	30	23	53	67
PERCENTAGE			7.5%	13.4%	20.9%	44.8%	34.3%	79.1%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
216th Street & Olio Road (#212)  
9/5/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM - 8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	1	1	0	1	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM - 6:00 PM	0	0	0	3	0	3	0	0	0	3	0	3
6:00 PM - 7:00 PM	0	0	0	1	0	1	0	0	0	1	0	1
PASSENGER	0 #DIV/0!			4 100.0%			0 0.0%			4 80.0%		
TRUCK	0 #DIV/0!			0 0.0%			1 100.0%			1 20.0%		
BOTH	0 0.0%			4 80.0%			1 20.0%			5 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	1	0	1	1	0	1
7:00 AM - 8:00 AM	0	0	0	1	0	1	0	0	0	1	0	1
8:00 AM - 9:00 AM	0	0	0	0	0	0	0	1	1	0	1	1
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	0	0	0	0	1	1	1	1	2
4:00 PM - 5:00 PM	0	0	0	1	0	1	1	0	1	2	0	2
5:00 PM - 6:00 PM	0	0	0	1	0	1	0	0	0	1	0	1
6:00 PM - 7:00 PM	0	0	0	0	0	0	0	1	1	0	1	1
PASSENGER	1 100.0%			3 100.0%			2 40.0%			6 66.7%		
TRUCK	0 0.0%			0 0.0%			3 60.0%			3 33.3%		
BOTH	1 11.1%			3 33.3%			5 55.6%			9 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	1	1	0	0	0	1	0	1	1	1	2
7:00 AM - 8:00 AM	0	0	0	3	0	3	0	0	0	3	0	3
8:00 AM - 9:00 AM	0	0	0	1	1	2	0	0	0	1	1	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	2	0	2	0	0	0	2	0	2
4:00 PM - 5:00 PM	0	0	0	7	0	7	0	0	0	7	0	7
5:00 PM - 6:00 PM	1	0	1	12	0	12	0	0	0	13	0	13
6:00 PM - 7:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
PASSENGER	1 50.0%			25 96.2%			2 100.0%			28 93.3%		
TRUCK	1 50.0%			1 3.8%			0 0.0%			2 6.7%		
BOTH	2 6.7%			26 86.7%			2 6.7%			30 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	3	0	3	0	0	0	3	0	3
7:00 AM - 8:00 AM	0	0	0	2	1	3	0	0	0	2	1	3
8:00 AM - 9:00 AM	0	0	0	2	1	3	0	0	0	2	1	3
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	1	0	1	0	0	0	1	0	1
4:00 PM - 5:00 PM	1	0	1	4	1	5	1	0	1	6	1	7
5:00 PM - 6:00 PM	0	0	0	4	0	4	1	0	1	5	0	5
6:00 PM - 7:00 PM	0	0	0	1	0	1	0	0	0	1	0	1
PASSENGER	1 100.0%			17 85.0%			2 100.0%			20 87.0%		
TRUCK	0 0.0%			3 15.0%			0 0.0%			3 13.0%		
BOTH	1 4.3%			20 87.0%			2 8.7%			23 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 Durbin Rd & 216th St (#213)  
 8/ 29&30 /12  
 KDP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:45 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1		1	2					1		1
EASTBOUND		4	0	4						16	1	17
WESTBOUND	2	5		7					1	13		14

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.50	0.81			0.50
EASTBOUND	0.50				0.85	
WESTBOUND	0.58				0.70	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	100.0%		0.0%	50.0%					0.0%		0.0%
EASTBOUND		0.0%	0.0%	0.0%						6.3%	0.0%	5.9%
WESTBOUND	50.0%	0.0%		14.3%					0.0%	0.0%		0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	2		2	3	6	9	11
7:00 AM	TO	8:00 AM	2		2	2	6	8	10
8:00 AM	TO	9:00 AM	1		1	4	6	10	11
3:00 PM	TO	4:00 PM	1		1	3	0	3	4
4:00 PM	TO	5:00 PM	2		2	9	4	13	15
5:00 PM	TO	6:00 PM	1		1	17	14	31	32
6:00 PM	TO	7:00 PM	0		0	2	2	4	4
TOTAL VOLUME			9		9	40	38	78	87
PERCENTAGE			10.3%		10.3%	46.0%	43.7%	89.7%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Durbin Rd & 216th St (#213)  
8/ 29&30 /12

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	0	0				2	0	2	2	0	2
7:00 AM - 8:00 AM	0	1	1				1	0	1	1	1	2
8:00 AM - 9:00 AM	0	1	1				0	0	0	0	1	1
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0				1	0	1	1	0	1
4:00 PM - 5:00 PM	0	1	1				1	0	1	1	1	2
5:00 PM - 6:00 PM	1	0	1				0	0	0	1	0	1
6:00 PM - 7:00 PM	0	0	0				0	0	0	0	0	0
PASSENGER	1 25.0%						5 100.0%			6 66.7%		
TRUCK	3 75.0%						0 0.0%			3 33.3%		
BOTH	4 44.4%						5 55.6%			9 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				3	0	3	0	0	0	3	0	3
7:00 AM - 8:00 AM				2	0	2	0	0	0	2	0	2
8:00 AM - 9:00 AM				3	0	3	1	0	1	4	0	4
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				3	0	3	0	0	0	3	0	3
4:00 PM - 5:00 PM				8	0	8	1	0	1	9	0	9
5:00 PM - 6:00 PM				15	1	16	1	0	1	16	1	17
6:00 PM - 7:00 PM				2	0	2	0	0	0	2	0	2
PASSENGER				36 97.3%			3 100.0%			39 97.5%		
TRUCK				1 2.7%			0 0.0%			1 2.5%		
BOTH				37 92.5%			3 7.5%			40 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOURLY	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	0	1	1	5	0	5				5	1	6
7:00 AM - 8:00 AM	1	0	1	5	0	5				6	0	6
8:00 AM - 9:00 AM	0	0	0	6	0	6				6	0	6
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	0	0	0				0	0	0
4:00 PM - 5:00 PM	0	0	0	4	0	4				4	0	4
5:00 PM - 6:00 PM	1	0	1	13	0	13				14	0	14
6:00 PM - 7:00 PM	0	0	0	2	0	2				2	0	2
PASSENGER	2 66.7%			35 100.0%						37 97.4%		
TRUCK	1 33.3%			0 0.0%						1 2.6%		
BOTH	3 7.9%			35 92.1%						38 100.0%		



A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

Noblesville  
 Prairie Baptist Rd & 216th St (#214)  
 08/ 28 & 29 /12  
 KDP

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 5:00 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	7	5		12					3	18	
SOUTHBOUND		10	0	10						10	0	10
EASTBOUND	3		3	6					2		8	10

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.60				0.66
SOUTHBOUND	0.63	0.64			0.63	0.85
EASTBOUND	0.75				0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	14.3%	0.0%		8.3%					0.0%	0.0%	
SOUTHBOUND		0.0%	0.0%	0.0%						0.0%	0.0%	0.0%
EASTBOUND	0.0%		0.0%	0.0%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	12	8	20	3		3	23
7:00 AM	TO	8:00 AM	3	6	9	5		5	14
8:00 AM	TO	9:00 AM	8	12	20	0		0	20
3:00 PM	TO	4:00 PM	8	3	11	5		5	16
4:00 PM	TO	5:00 PM	9	13	22	7		7	29
5:00 PM	TO	6:00 PM	21	10	31	10		10	41
6:00 PM	TO	7:00 PM	7	2	9	4		4	13
TOTAL VOLUME			68	54	122	34		34	156
PERCENTAGE			43.6%	34.6%	78.2%	21.8%		21.8%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

Noblesville  
Prairie Baptist Rd & 216th St (#214)  
08/ 28 & 29 /12

DIRECTION OF TRAVEL : NORTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	5	1	6	6	0	6				11	1	12
7:00 AM - 8:00 AM	2	0	2	1	0	1				3	0	3
8:00 AM - 9:00 AM	3	0	3	4	1	5				7	1	8
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	0	0	0	8	0	8				8	0	8
4:00 PM - 5:00 PM	2	0	2	7	0	7				9	0	9
5:00 PM - 6:00 PM	3	0	3	18	0	18				21	0	21
6:00 PM - 7:00 PM	1	0	1	6	0	6				7	0	7
<b>PASSENGER</b>	16 94.1%			50 98.0%						66 97.1%		
<b>TRUCK</b>	1 5.9%			1 2.0%						2 2.9%		
<b>BOTH</b>	17 25.0%			51 75.0%						68 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM				7	0	7	1	0	1	8	0	8
7:00 AM - 8:00 AM				6	0	6	0	0	0	6	0	6
8:00 AM - 9:00 AM				9	0	9	2	1	3	11	1	12
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM				3	0	3	0	0	0	3	0	3
4:00 PM - 5:00 PM				12	0	12	0	1	1	12	1	13
5:00 PM - 6:00 PM				10	0	10	0	0	0	10	0	10
6:00 PM - 7:00 PM				1	0	1	1	0	1	2	0	2
<b>PASSENGER</b>				48 100.0%			4 66.7%			52 96.3%		
<b>TRUCK</b>				0 0.0%			2 33.3%			2 3.7%		
<b>BOTH</b>				48 88.9%			6 11.1%			54 100.0%		

DIRECTION OF TRAVEL : EASTBOUND

HOURLY PERIOD	LEFT			THROUGH			RIGHT			TOTAL		
AM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
6:00 AM - 7:00 AM	1	0	1				2	0	2	3	0	3
7:00 AM - 8:00 AM	3	0	3				2	0	2	5	0	5
8:00 AM - 9:00 AM	0	0	0				0	0	0	0	0	0
PM TIME PERIOD	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
3:00 PM - 4:00 PM	3	0	3				2	0	2	5	0	5
4:00 PM - 5:00 PM	2	1	3				4	0	4	6	1	7
5:00 PM - 6:00 PM	2	0	2				8	0	8	10	0	10
6:00 PM - 7:00 PM	2	0	2				2	0	2	4	0	4
<b>PASSENGER</b>	13 92.9%						20 100.0%			33 97.1%		
<b>TRUCK</b>	1 7.1%						0 0.0%			1 2.9%		
<b>BOTH</b>	14 41.2%						20 58.8%			34 100.0%		

A & F ENGINEERING CO., LLC  
 TRAFFIC VOLUME SUMMARY

CLIENT :  
 INTERSECTION :  
 DATE :  
 COUNTED BY :

City of Noblesville  
 216th St & Cyntheanne Rd (#215)  
 12/3/2012  
 MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:15 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:15 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		2	1	3						2	1	3
SOUTHBOUND	0	4		4					0	6		6
WESTBOUND	1		1	2					3		1	4

PEAK HOUR FACTOR						
	AM PEAK HOUR FACTOR		OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION	APPROACH	INTERSECTION	APPROACH	INTERSECTION
NORTHBOUND	0.75				0.75	
SOUTHBOUND	0.50	0.56			0.50	0.81
WESTBOUND	0.50				0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
NORTHBOUND		50.0%	100.0%	66.7%						0.0%	0.0%	0.0%
SOUTHBOUND	0.0%	0.0%		0.0%					0.0%	0.0%		0.0%
WESTBOUND	0.0%		100.0%	50.0%					0.0%		0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	2	4	6		1	1	7
7:00 AM	TO	8:00 AM	1	3	4		1	1	5
8:00 AM	TO	9:00 AM	1	2	3		2	2	5
3:00 PM	TO	4:00 PM	2	0	2		1	1	3
4:00 PM	TO	5:00 PM	3	3	6		4	4	10
5:00 PM	TO	6:00 PM	5	4	9		1	1	10
6:00 PM	TO	7:00 PM	1	2	3		0	0	3
TOTAL VOLUME			15	18	33		10	10	43
PERCENTAGE			34.9%	41.9%	76.7%		23.3%	23.3%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
216th St & Cyntheanne Rd (#215)  
12/3/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM				0	1	1	0	1	1	0	2	2
7:00 AM - 8:00 AM				1	0	1	0	0	0	1	0	1
8:00 AM - 9:00 AM				1	0	1	0	0	0	1	0	1
PM TIME PERIOD												
3:00 PM - 4:00 PM				1	1	2	0	0	0	1	1	2
4:00 PM - 5:00 PM				1	0	1	2	0	2	3	0	3
5:00 PM - 6:00 PM				5	0	5	0	0	0	5	0	5
6:00 PM - 7:00 PM				0	0	0	1	0	1	1	0	1
PASSENGER				9 81.8%			3 75.0%			12 80.0%		
TRUCK				2 18.2%			1 25.0%			3 20.0%		
BOTH				11 73.3%			4 26.7%			15 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	4	0	4				4	0	4
7:00 AM - 8:00 AM	0	0	0	3	0	3				3	0	3
8:00 AM - 9:00 AM	0	0	0	2	0	2				2	0	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0				0	0	0
4:00 PM - 5:00 PM	0	0	0	3	0	3				3	0	3
5:00 PM - 6:00 PM	0	0	0	4	0	4				4	0	4
6:00 PM - 7:00 PM	0	0	0	2	0	2				2	0	2
PASSENGER	0 #DIV/0!			18 100.0%						18 100.0%		
TRUCK	0 #DIV/0!			0 0.0%						0 0.0%		
BOTH	0 0.0%			18 100.0%						18 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0				0	1	1	0	1	1
7:00 AM - 8:00 AM	1	0	1				0	0	0	1	0	1
8:00 AM - 9:00 AM	2	0	2				0	0	0	2	0	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1				0	0	0	1	0	1
4:00 PM - 5:00 PM	3	0	3				1	0	1	4	0	4
5:00 PM - 6:00 PM	1	0	1				0	0	0	1	0	1
6:00 PM - 7:00 PM	0	0	0				0	0	0	0	0	0
PASSENGER	8 100.0%						1 50.0%			9 90.0%		
TRUCK	0 0.0%						1 50.0%			1 10.0%		
BOTH	8 80.0%						2 20.0%			10 100.0%		

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :  
COUNTED BY :

City of Noblesville  
216th St & Atlantic Rd (#216)  
12/4/2012  
MW

TOTAL VEHICLES (PASSENGER CARS + TRUCKS)												
	AM PEAK HOUR VOLUMES BEGINS 6:30 AM				OFF PEAK HOUR VOLUMES BEGINS				PM PEAK HOUR VOLUMES BEGINS 4:30 PM			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	1	86	1	88					2	121	4
SOUTHBOUND	0	128	0	128					0	125	0	125
EASTBOUND	0	0	2	2					0	0	2	2
WESTBOUND	1	0	0	1					1	0	1	2

PEAK HOUR FACTOR							
	AM PEAK HOUR FACTOR			OFF PEAK HOUR FACTOR		PM PEAK HOUR FACTOR	
	APPROACH	INTERSECTION		APPROACH	INTERSECTION	APPROACH	INTERSECTION
	NORTHBOUND	0.76					0.81
SOUTHBOUND	0.91	0.86				0.65	0.73
EASTBOUND	0.50					0.50	
WESTBOUND	0.25					0.50	

TRUCK PERCENTAGE												
	AM PEAK HOUR PERCENTAGE				OFF PEAK HOUR PERCENTAGE				PM PEAK HOUR PERCENTAGE			
	L	T	R	TOTAL	L	T	R	TOTAL	L	T	R	TOTAL
	NORTHBOUND	100.0%	7.0%	100.0%	9.1%					0.0%	5.0%	0.0%
SOUTHBOUND	0.0%	4.7%	0.0%	4.7%					0.0%	8.0%	0.0%	8.0%
EASTBOUND	0.0%	0.0%	50.0%	50.0%					0.0%	0.0%	0.0%	0.0%
WESTBOUND	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	0.0%

HOURLY SUMMARY									
HOUR			NB	SB	NB+SB	EB	WB	EB+WB	TOTAL
6:00 AM	TO	7:00 AM	60	94	154	2	1	3	157
7:00 AM	TO	8:00 AM	101	109	210	3	2	5	215
8:00 AM	TO	9:00 AM	69	74	143	2	2	4	147
3:00 PM	TO	4:00 PM	57	42	99	3	0	3	102
4:00 PM	TO	5:00 PM	110	101	211	1	1	2	213
5:00 PM	TO	6:00 PM	122	121	243	2	1	3	246
6:00 PM	TO	7:00 PM	70	28	98	1	2	3	101
TOTAL VOLUME			589	569	1158	14	9	23	1181
PERCENTAGE			49.9%	48.2%	98.1%	1.2%	0.8%	1.9%	100.0%

A & F ENGINEERING CO., LLC  
TRAFFIC VOLUME SUMMARY

CLIENT :  
INTERSECTION :  
DATE :

City of Noblesville  
216th St & Atlantic Rd (#216)  
12/4/2012

DIRECTION OF TRAVEL : NORTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	52	7	59	0	1	1	52	8	60
7:00 AM - 8:00 AM	0	1	1	90	9	99	0	1	1	90	11	101
8:00 AM - 9:00 AM	0	0	0	50	18	68	1	0	1	51	18	69
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	46	9	55	1	0	1	48	9	57
4:00 PM - 5:00 PM	2	0	2	98	6	104	4	0	4	104	6	110
5:00 PM - 6:00 PM	1	0	1	112	5	117	4	0	4	117	5	122
6:00 PM - 7:00 PM	0	0	0	63	5	68	2	0	2	65	5	70
PASSENGER	4 80.0%			511 89.6%			12 85.7%			527 89.5%		
TRUCK	1 20.0%			59 10.4%			2 14.3%			62 10.5%		
BOTH	5 0.8%			570 96.8%			14 2.4%			589 100.0%		

DIRECTION OF TRAVEL : SOUTHBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	90	3	93	0	1	1	90	4	94
7:00 AM - 8:00 AM	0	0	0	101	8	109	0	0	0	101	8	109
8:00 AM - 9:00 AM	0	0	0	57	17	74	0	0	0	57	17	74
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	39	3	42	0	0	0	39	3	42
4:00 PM - 5:00 PM	0	0	0	95	6	101	0	0	0	95	6	101
5:00 PM - 6:00 PM	0	0	0	112	9	121	0	0	0	112	9	121
6:00 PM - 7:00 PM	0	0	0	28	0	28	0	0	0	28	0	28
PASSENGER	0 #DIV/0!			522 91.9%			0 0.0%			522 91.7%		
TRUCK	0 #DIV/0!			46 8.1%			1 100.0%			47 8.3%		
BOTH	0 0.0%			568 99.8%			1 0.2%			569 100.0%		

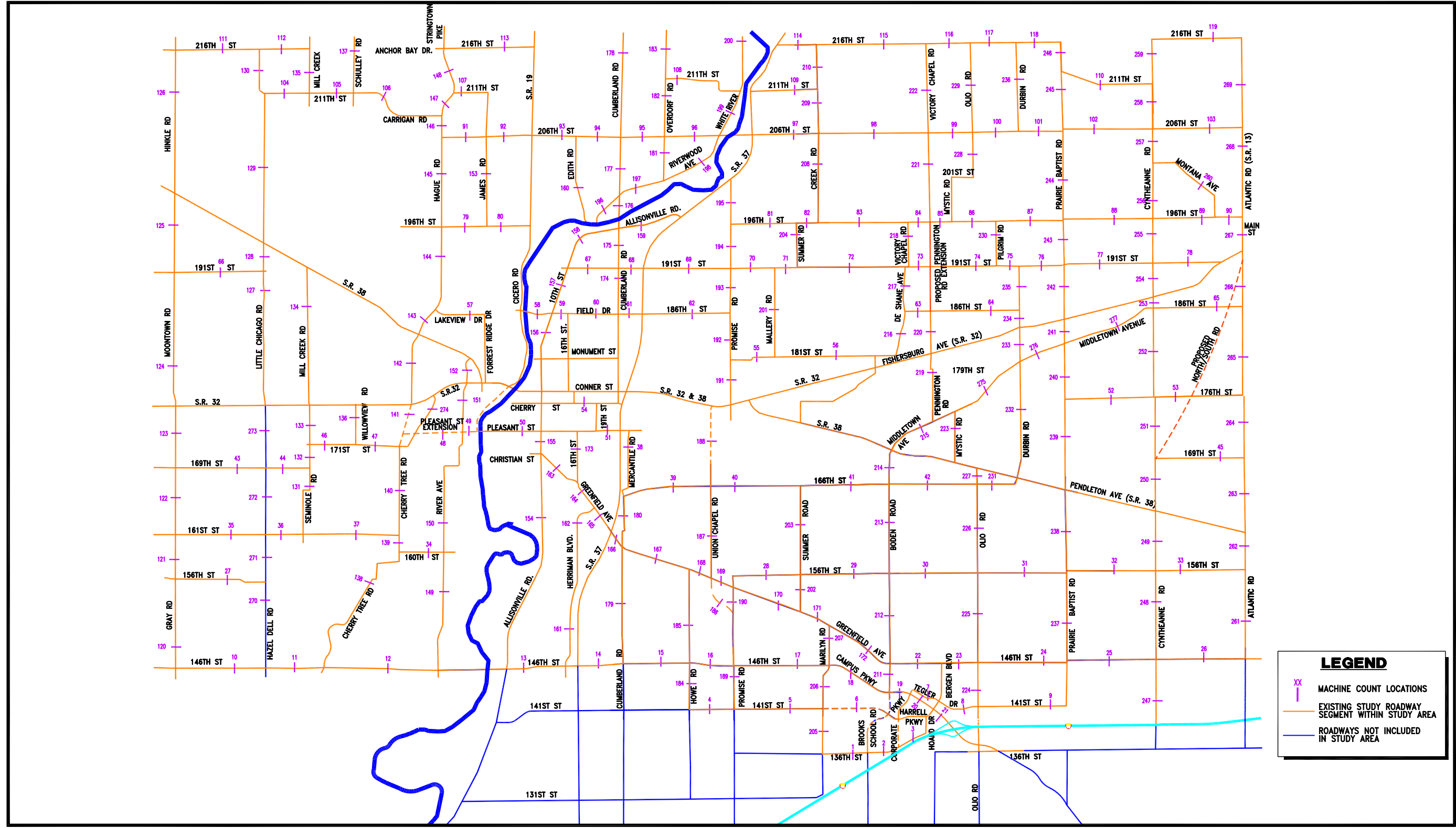
DIRECTION OF TRAVEL : EASTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	0	0	0	0	0	0	1	1	2	1	1	2
7:00 AM - 8:00 AM	0	0	0	0	2	2	1	0	1	1	2	3
8:00 AM - 9:00 AM	0	0	0	0	0	0	1	1	2	1	1	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	1	0	1	0	0	0	2	0	2	3	0	3
4:00 PM - 5:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
5:00 PM - 6:00 PM	0	0	0	1	0	1	1	0	1	2	0	2
6:00 PM - 7:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
PASSENGER	1 100.0%			1 33.3%			8 80.0%			10 71.4%		
TRUCK	0 0.0%			2 66.7%			2 20.0%			4 28.6%		
BOTH	1 7.1%			3 21.4%			10 71.4%			14 100.0%		

DIRECTION OF TRAVEL : WESTBOUND

HOUR	LEFT			THROUGH			RIGHT			TOTAL		
	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH	PASS	TRUCK	BOTH
AM TIME PERIOD												
6:00 AM - 7:00 AM	1	0	1	0	0	0	0	0	0	1	0	1
7:00 AM - 8:00 AM	1	0	1	0	0	0	0	1	1	1	1	2
8:00 AM - 9:00 AM	2	0	2	0	0	0	0	0	0	2	0	2
PM TIME PERIOD												
3:00 PM - 4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM - 5:00 PM	0	0	0	0	0	0	1	0	1	1	0	1
5:00 PM - 6:00 PM	1	0	1	0	0	0	0	0	0	1	0	1
6:00 PM - 7:00 PM	1	0	1	1	0	1	0	0	0	2	0	2
PASSENGER	6 100.0%			1 100.0%			1 50.0%			8 88.9%		
TRUCK	0 0.0%			0 0.0%			0 50.0%			1 11.1%		
BOTH	6 66.7%			1 11.1%			2 22.2%			9 100.0%		

# Roadway Segment Traffic Counts



**LEGEND**

- XX MACHINE COUNT LOCATIONS
- EXISTING STUDY ROADWAY SEGMENT WITHIN STUDY AREA
- ROADWAYS NOT INCLUDED IN STUDY AREA

Prepared By:



**TRAFFIC IMPACT FEE ANALYSIS  
NOBLESVILLE, INDIANA**

**FIGURE 2  
48-HOUR ROADWAY SEGMENT  
TRAFFIC COUNT LOCATIONS**



Segment ID	Street	Location	Start Date of Count	Direction	AADT (vpd)	AM Peak (vph)	Combined AM Peak Hr	Combined AM Peak Vol (vph)	PM Peak (vph)	Combined PM Peak Hr	Combined PM Peak Vol (vph)	Daily % Truck
1	136th Street	Marilyn - Brooks School	4/23/2013	EB	2550	227	7:00	439	257	17:00	501	3
				WB	2376	212			244		5	
2	136th Street	Brooks School - Corporate Pkwy	4/23/2013	EB	2176	141	7:00	197	233	18:00	465	3
				WB	2047	56			232		2	
3	136th Street	Corporate Pkwy - Hoard Dr.	5/28/2013	EB	1748	132	7:00	181	134	17:00	288	1
				WB	1343	49			154		2	
4	141st Street	Howe - Promise Rd	5/28/2013	EB	2107	238	7:00	438	219	17:00	383	6
				WB	2027	200			164		11	
5	141st Street	Promise Rd - Marilyn Rd	5/28/2013	EB	1393	88	7:00	204	155	17:00	254	3
				WB	1192	116			99		5	
7	Tegler Dr	Corporate Pkwy - Bergen Blvd	5/28/2013	EB	1780	93	8:00	177	135	18:00	265	No class
				WB	1685	84			130		No class	
8	Tegler Dr	Bergen Blvd - Olio Rd	4/23/2013	EB	838	40	8:00	93	82	17:00	147	No class
				WB	704	53			65		No class	
9	141st Street	Olio Rd - Prairie Baptist Rd	12/4/2012	EB	224	11	7:00	36	34	15:00	49	4
				WB	183	25			15		4	
13	146th Street	Allisonville Rd - Herriman Blvd	6/18/2013	EB	16420	489	7:00	1957	804	17:00	2196	5
				WB	16088	1468			1392		3	
14	146th Street	SR 37 - Cumberland Rd	6/25/2013	EB	13818	788	8:00	1741	1557	17:00	2658	No class
				WB	12789	953			1101		No class	
15	146th Street	Cumberland Rd - Howe Rd	6/25/2013	EB	10072	253	7:00	1122	702	17:00	1450	4
				WB	9540	869			748		5	
16	146th Street	Howe Rd - Promise Rd	6/25/2013	EB	9468	260	7:00	1095	634	17:00	1368	3
				WB	9531	835			734		3	
17	146th Street	Promise Rd - Marilyn Rd	6/18/2013	EB	8716	290	7:00	1018	546	17:00	1291	5
				WB	8702	728			745		3	
18	Campus Pkwy	Marilyn Rd - Boden Rd	6/18/2013	EB	8401	388	7:00	974	509	17:00	1341	4
				WB	8534	586			832		4	
19	Campus Pkwy	Boden Rd - Corporate Pkwy	6/18/2013	EB	11999	1011	7:00	1649	1002	17:00	2238	No class
				WB	12321	638			1236		No class	
20	Campus Pkwy	Corporate Pkwy - Bergen Blvd	6/18/2013	EB	10985	946	7:00	1594	866	17:00	2031	No class
				WB	11364	648			1165		No class	
21	Campus Pkwy	Bergen Blvd - I-69 SB Ramp	6/18/2013	EB	14833	1167	7:00	1894	1098	16:00	2483	No class
				WB	15426	727			1385		No class	
22	146th Street	Boden Rd - Bergen Blvd	1/8/2013	EB	1789	226	7:00	306	151	17:00	401	4
				WB	1682	80			250		5	
23	146th Street	Bergen Blvd - Olio Rd	1/8/2013	EB	1257	122	7:00	213	133	17:00	286	3
				WB	1176	91			153		4	
24	146th Street	Olio Rd - Prairie Baptist Rd	12/4/2012	EB	316	6	7:00	54	39	17:00	64	3
				WB	330	48			25		5	
25	146th Street	Prairie Baptist - Cyntheanne Rd	12/4/2012	EB	249	8	7:00	39	32	17:00	53	3
				WB	235	31			21		5	
26	146th Street	Cyntheanne Rd - Atlantic Rd	12/4/2012	EB	111	7	7:00	24	16	17:00	24	3
				WB	107	17			8		2	

\*Percent trucks include all vehicles that are NOT passenger vehicles.  
All counts were done as 48 hour counts from Tuesday - Thursday.

Segment ID	Street	Location	Start Date of Count	Direction	AADT (vpd)	AM Peak (vph)	Combined AM Peak Hr	Combined AM Peak Vol (vph)	PM Peak (vph)	Combined PM Peak Hr	Combined PM Peak Vol (vph)	Daily % Truck
27	156th Street	Gray - Hazel Dell	5/16/2012	EB	206	25	7:00	54	52	17:00	85	1
				WB	414	29			33			1
28	156th Street	Greenfield Ave - Summer Rd	1/8/2013	EB	209	4	7:00	40	38	17:00	55	2
				WB	250	36			17			1
29	156th Street	Summer Rd - Boden Rd	1/8/2013	EB	513	34	7:00	84	63	17:00	111	3
				WB	521	50			48			2
30	156th Street	Boden Rd - Olio Rd	1/8/2013	EB	173	28	7:00	37	15	17:00	45	8
				WB	208	9			30			5
31	156th Street	Olio Rd - Prairie Baptist Rd	1/8/2013	EB	100	9	7:00	20	10	17:00	21	2
				WB	92	11			11			3
32	156th Street	Prairie Baptist Rd - Cyntheanne Rd	12/4/2012	EB	57	4	7:00	9	10	17:00	18	3
				WB	56	5			8			3
33	156th Street	Cyntheanne Rd - Atlantic Rd	12/4/2012	EB	27	1	6:00	6	6	17:00	8	2
				WB	26	5			2			6
34	160th Street	Cherry Tree - River	9/18/2012	EB	758	79	7:00	108	80	17:00	192	10
				WB	667	31			107			10
35	161st Street	Gray - Hazel Dell	6/19/2012	EB	1897	104	7:00	252	312	17:00	463	3
				WB	1470	157			151			3
36	161st Street	Hazel Dell - Seminole	6/19/2012	EB	1193	48	7:00	194	223	17:00	318	5
				WB	1060	146			95			5
37	161st Street	Seminole - Cherry Tree	9/25/2012	EB	544	30	8:00	99	92	17:00	175	3
				WB	734	69			83			3
38	Mercantile Rd	166th Street - Pleasant St	4/23/2013	NB	3849	131	8:00	241	367	18:00	674	7
				SB	3370	110			307			7
39	166th Street	Cumberland - Union Chapel	11/13/2012	EB	805	40	8:00	93	101	17:00	158	3
				WB	637	58			57			3
40	166th Street	Union Chapel - Summer	11/13/2012	EB	1580	85	11:00	176	194	17:00	376	2
				WB	1417	126			182			2
41	166th Street	Summer - Boden	11/13/2012	EB	665	39	7:00	100	79	17:00	159	4
				WB	800	61			80			4
42	166th Street	Boden Rd - Olio Rd	12/11/2012	EB	290	19	7:00	34	32	17:00	59	2
				WB	223	15			27			3
43	169th Street	Gray - Hazel Dell	6/19/2012	EB	537	46	7:00	78	73	17:00	146	8
				WB	575	39			73			8
44	169th Street	Hazel Dell - Mill Creek	6/12/2012	EB	302	20	7:00	58	49	17:00	77	5
				WB	296	47			28			5
45	169th Street	Cyntheanne Rd - Atlantic Rd	12/4/2012	EB	13	1	7:00	3	3	16:00	5	11
				WB	13	2			2			4
46	171st Street	Mill Creek - Willowview	6/19/2012	EB	407	23	7:00	58	54	17:00	98	4
				WB	466	47			44			4
47	171st Street	Willowview - Cherry Tree	6/12/2012	EB	452	39	7:00	52	49	17:00	108	5
				WB	504	29			59			5
50	Pleasant Street	8th Street - 10th Street	5/28/2013	EB	3507	165	8:00	263	335	16:00	523	No class
				WB	2622	98			188			No class

\*Percent trucks include all vehicles that are NOT passenger vehicles.  
All counts were done as 48 hour counts from Tuesday - Thursday.

Segment ID	Street	Location	Start Date of Count	Direction	AADT (vpd)	AM Peak (vph)	Combined AM Peak Hr	Combined AM Peak Vol (vph)	PM Peak (vph)	Combined PM Peak Hr	Combined PM Peak Vol (vph)	Daily % Truck
51	Pleasant Street	19th Street - SR 37	4/23/2013	EB	5298	236	8:00	482	486	16:00	1071	No class
				WB	6546	246			585			No class
51a	Pleasant Street	Mercantile - Union Chapel	8/21/2012	EB	1875	64	7:00	168	195	17:00	339	4
				WB	1205	104			144			4
51b	Town & Country	Mercantile - Union Chapel	1/10/2012	EB	392	56	11:00	114	141	16:00	236	1
				WB	920	58			91			1
52	176th Street	Prairie Rd - Cyntheanne Rd	12/11/2012	EB	34	3	7:00	6	5	15:00	14	5
				WB	45	3			9			2
53	176th Street	Cyntheanne Rd - Atlantic Rd	12/11/2012	EB	38	1	8:00	7	6	15:00	11	1
				WB	39	6			5			3
54	Cherry Street	10th Street - 19th Street	5/28/2013	EB	717	36	8:00	91	75	17:00	147	4
				WB	882	55			72			4
55	181st Street	Promise Rd - Mallery Rd	1/29/2013	EB	101	1	7:00	11	14	17:00	21	3
				WB	90	10			7			5
56	181st Street	Mallery Rd - Deshane Ave	1/29/2013	EB	66	3	8:00	7	7	16:00	11	5
				WB	55	4			4			7
56a	Field Drive	SR 19 - Allisonville/10th St	3/28/2012	EB	4575	393	7:00	905	489	17:00	987	4
				WB	4333	512			498			4
57	Lakeview Drive	Hague - Forest Ridge	7/17/2012	EB	1381	124	11:00	165	115	17:00	268	2
				WB	1408	77			181			2
59	Field Street	10th Street - 16th Street	6/25/2013	EB	2574	195	7:00	310	222	18:00	448	2
				WB	2476	115			226			2
60	Field Dr	16th Street - Cumberland Rd	6/11/2013	EB	2961	231	7:00	361	247	17:00	508	7
				WB	2583	130			261			5
61	Field Dr	Cumberland Rd - SR 37	6/11/2013	EB	1998	117	7:00	223	166	17:00	420	3
				WB	2204	106			254			3
62	186th Street	SR 37 - Promise	8/7/2012	EB	284	14	10:00	24	34	17:00	55	5
				WB	178	11			21			5
63	186th Street	Deshane Ave - Pennington Rd	1/29/2013	EB	51	4	7:00	8	3	18:00	13	7
				WB	55	4			10			6
64	186th Street	Pennington Rd - Durbin Rd	6/11/2013	EB	62	3	8:00	8	8	17:00	12	4
				WB	46	5			4			2
65	186th Street	Cyntheanne Rd - Atlantic Rd	12/4/2012	EB	381	19	7:00	77	63	17:00	92	1
				WB	385	58			29			1
66	191st Street	Moontown - Little Chicago	7/10/2012	EB	1653	246	7:00	246	96	17:00	400	2
				WB	1897	83			304			2
67	191st Street	10th - Cumberland	7/24/2012	EB	1653	102	7:00	211	176	17:00	328	2
				WB	1659	109			152			2
68	191st Street	Cumberland Rd - SR 37	6/11/2013	EB	3586	295	7:00	426	281	17:00	595	2
				WB	2851	131			314			6
69	191st Street	SR 37 - Promise	8/7/2012	EB	3359	149	7:00	369	415	17:00	692	8
				WB	3490	331			277			8
70	191st Street	Promise - Mallery	8/7/2012	EB	591	35	8:00	72	81	17:00	144	4
				WB	592	37			63			4

\*Percent trucks include all vehicles that are NOT passenger vehicles.  
All counts were done as 48 hour counts from Tuesday - Thursday.

Segment ID	Street	Location	Start Date of Count	Direction	AADT (vpd)	AM Peak (vph)	Combined AM Peak Hr	Combined AM Peak Vol (vph)	PM Peak (vph)	Combined PM Peak Hr	Combined PM Peak Vol (vph)	Daily % Truck
71	191st Street	Mallery Rd - Summer Rd	6/4/2013	EB	564	28	7:00	62	65	17:00	120	0
				WB	560	34			55			1
72	191st Street	Summer Rd - Deshane Ave	6/11/2013	EB	518	30	7:00	68	68	17:00	118	0
				WB	490	38			50			1
73	191st Street	Victory Chapel Rd NB - Pilgrim Rd	6/11/2013	EB	411	26	7:00	60	48	17:00	91	1
				WB	409	34			43			0
75	191st Street	Pilgrim Rd - Durbin Rd	12/11/2012	EB	385	43	7:00	74	38	17:00	87	1
				WB	371	31			49			3
76	191st Street	Durbin Rd - Prairie Baptist Rd	12/11/2012	EB	361	38	7:00	67	37	17:00	78	1
				WB	344	29			41			2
77	191st Street	Prairie Baptist Rd - Cyntheanne Rd	1/15/2013	EB	308	30	7:00	60	34	17:00	69	2
				WB	285	30			35			1
78	191st Street	Cyntheanne Rd - SR 32	1/8/2013	EB	294	32	7:00	59	36	17:00	67	2
				WB	274	27			31			2
79	196th Street	Hague - James	4/28/2011	EB	1157	152	7:00	353	104	17:00	222	4
				WB	1392	201			118			4
80	196th Street	James - SR 19	9/25/2012	EB	1566	155	7:00	284	195	18:00	415	8
				WB	1768	129			220			8
81	196th Street	Promise Rd & Summer Rd	6/4/2013	EB	188	6	7:00	24	21	17:00	40	0
				WB	212	18			19			0
82	196th Street	Summer Rd - Creek Rd	6/4/2013	EB	244	4	7:00	25	26	17:00	49	1
				WB	265	21			23			1
83	196th Street	Creek Rd - Victory Chapel Rd SB	6/4/2013	EB	177	5	7:00	19	21	17:00	38	0
				WB	199	14			17			0
84	196th Street	Victory Chapel SB - Victory Chapel NB		EB	130	5	7:00	15	18	17:00	30	0
				WB	149	10			12			4
85	196th Street	Victory Chapel Rd - Mystic Rd	6/4/2013	EB	102	6	7:00	10	13	17:00	24	0
				WB	108	4			11			3
86	196th Street	Mystic Rd - Prairie Baptist Rd	6/4/2013	EB	102	7	7:00	10	12	17:00	21	1
				WB	104	3			9			3
87	196th Street	191st Street - 196th Street	1/8/2013	EB	57	5	7:00	8	6	16:00	13	7
				WB	70	3			7			5
88	196th Street	Prairie Baptist Rd - Cyntheanne Rd	1/8/2013	EB	128	14	7:00	20	13	16:00	28	3
				WB	138	6			15			4
89	196th Street	Cyntheanne Rd - Montana Ave	1/8/2013	EB	172	15	7:00	21	21	17:00	35	2
				WB	142	6			14			3
90	196th Street	SR 32 - 196th Street	1/8/2013	EB	185	18	7:00	22	22	17:00	39	2
				WB	158	4			17			4
91	206th Street	Hague - James	9/25/2012	EB	2647	357	7:00	466	237	17:00	511	5
				WB	2440	109			274			5
92	206th Street	James - SR 19	9/25/2012	EB	2675	364	7:00	477	239	17:00	515	4
				WB	2505	113			276			4
93	206th Street	SR 19 - Edith	10/2/2012	EB	3472	381	7:00	566	294	17:00	605	3
				WB	3069	185			311			3

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94	206th Street	Edith - Cumberland	10/2/2012	EB	3400	370	7:00	547	290	17:00	601	3
				WB	2997	177			311			3
95	206th Street	Cumberland - Overdorf	10/2/2012	EB	1697	150	7:00	279	166	17:00	345	6
				WB	1733	129			179			6
96	206th Street	Overdorf - White River	11/6/2012	EB	1695	142	7:00	266	170	17:00	364	6
				WB	1780	124			194			6
97	206th Street	SR 37 - Creek Rd	6/4/2013	EB	721	50	7:00	92	64	17:00	123	6
				WB	719	42			59			5
98	206th Street	Creek Rd - Victory Chapel Rd	1/29/2013	EB	395	23	8:00	58	43	16:00	77	2
				WB	403	35			34			1
99	206th Street	Victory Chapel Rd - Olio Rd	1/29/2013	EB	375	26	8:00	56	40	16:00	71	3
				WB	360	30			31			1
100	206th Street	Olio Rd - Durbin Rd	1/29/2013	EB	361	24	8:00	54	39	16:00	69	3
				WB	347	30			30			1
101	206th Street	Durbin Rd - Prairie Baptist Rd	1/15/2013	EB	369	29	7:00	59	42	17:00	69	2
				WB	353	30			27			1
102	206th Street	Prairie Baptist Rd - Cyntheanne Rd	1/15/2013	EB	282	24	7:00	50	34	17:00	56	2
				WB	285	26			22			4
103	206th Street	Cyntheanne Rd - SR 13	1/15/2013	EB	251	25	7:00	53	31	17:00	52	3
				WB	272	28			21			3
104	211th Street	Little Chicago - Mill Creek	6/5/2012	EB	3655	163	7:00	497	423	17:00	732	3
				WB	3599	334			309			3
105	211th Street	Mill Creek - Schulley	6/5/2012	EB	3295	182	7:00	411	333	17:00	611	3
				WB	3147	229			278			3
106	Carrigan Road	Schulley - Hague	6/5/2012	EB	4535	369	7:00	492	400	17:00	734	3
				WB	3653	230			334			3
107	211th Street	Hague - James	9/25/2012	EB	18	2	7:00	4	3	16:00	5	5
				WB	18	2			3			5
108	211th Street	Overdorf - White River	11/6/2012	EB	115	20	7:00	27	14	17:00	28	6
				WB	124	7			15			6
109	211th Street	SR 37 - Creek Rd	1/29/2013	EB	28	2	6:00	3	4	14:00	6	22
				WB	12	1			2			16
110	211th Street	Prairie Baptist Rd - Cyntheanne Rd	6/4/2013	EB	19	1	7:00	3	1	18:00	6	3
				WB	26	2			5			12
111	216th Street	Hinkle - Little Chicago	9/11/2012	EB	1077	49	7:00	185	171	17:00	225	3
				WB	915	137			60			3
112	216th Street	Little Chicago - Mill Creek	9/11/2012	EB	288	13	7:00	37	43	17:00	57	6
				WB	173	25			14			6
113	216th Street	Hague - James	9/25/2012	EB	799	112	7:00	139	62	17:00	174	4
				WB	865	35			112			4
114	216th Street	SR 37 - Creek RD	1/29/2013	EB	111	5	6:00	15	6	14:00	31	2
				WB	113	10			25			5
115	216th Street	Creek Rd - Victory Chapel Rd	1/29/2013	EB	71	2	6:00	12	10	14:00	16	5
				WB	64	10			6			6

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116	216th Street	Victory Chapel Rd - Olio Rd	1/29/2013	EB	60	2	8:00	10	10	17:00	16	6
				WB	74	8			16		10	
117	216th Street	Olio Rd - Durbin Rd	1/15/2013	EB	56	3	8:00	7	7	16:00	16	0
				WB	66	4			9		6	
118	216th Street	Durbin Rd & Prairie Baptist Rd	1/15/2013	EB	61	4	7:00	7	10	14:00	15	1
				WB	66	3			5		3	
119	216th Street	Cyntheanne Rd - SR 13	1/15/2013	EB	20	1	6:00	3	4	15:00	7	22
				WB	20	2			3		10	
120	Gray Road	146th - 156th	7/10/2012	NB	2822	154	7:00	408	413	17:00	595	12
				SB	2582	333			182		12	
121	Gray Road	156th - 161st	9/11/2012	NB	2680	115	7:00	479	437	17:00	599	2
				SB	2244	364			162		2	
122	Gray Road	161st - 169th	7/10/2012	NB	2331	143	7:00	409	368	17:00	532	4
				SB	2328	342			164		4	
123	Gray Road	169th - SR 32	7/10/2012	NB	2213	128	7:00	407	340	17:00	477	9
				SB	2216	328			137		9	
124	Moontown Road	SR 32 - 191st	7/17/2012	NB	1246	58	7:00	196	171	17:00	228	15
				SB	1156	150			74		15	
125	Moontown Road	191st - SR 38	9/11/2012	NB	604	35	7:00	120	90	17:00	124	2
				SB	540	85			35		2	
126	Hinkle Road	SR 38 - 216th	9/11/2012	NB	457	19	7:00	83	78	17:00	98	4
				SB	404	64			24		4	
127	Little Chicago Road	SR 32 - 191st	12/13/2011	NB	4130	161	7:00	888	630	17:00	934	2
				SB	4332	727			304		2	
128	Little Chicago Road	191st - SR 38	5/22/2012	NB	5056	199	7:00	1006	750	17:00	1087	2
				SB	5110	818			337		2	
129	Little Chicago Road	SR 38 - 211th	5/22/2012	NB	4444	193	7:00	881	619	17:00	962	3
				SB	4706	688			343		3	
130	Little Chicago Road	211th - 216th	9/11/2012	NB	824	119	7:00	155	64	17:00	195	6
				SB	842	41			131		6	
131	Seminole Road	161st - 169th	6/12/2012	NB	584	37	7:00	151	91	17:00	145	4
				SB	632	114			54		4	
132	Mill Creek Road	169th - 171st	9/18/2012	NB	538	31	7:00	149	71	17:00	126	5
				SB	657	126			55		5	
133	Mill Creek Road	171st - SR 32	6/12/2012	NB	443	29	7:00	119	60	17:00	95	6
				SB	459	90			35		6	
134	Mill Creek Road	SR 32 - SR 38	5/22/2012	NB	998	101	7:00	174	139	17:00	222	3
				SB	774	73			83		3	
135	Mill Creek Road	211th - 216th	6/5/2012	NB	556	34	7:00	87	67	17:00	131	4
				SB	665	53			64		4	
136	Willowview Road	171st - SR 32	6/12/2012	NB	314	21	8:00	37	34	17:00	83	7
				SB	338	23			49		7	
137	Schulley Road	211th - 216th	6/5/2012	NB	498	31	11:00	62	71	17:00	92	4
				SB	473	35			38		4	

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138	Cherry Tree Road	146th - 160th	7/10/2012	NB	839	62	8:00	124	92	17:00	170	6
				SB	941	78		78			6	
139	Cherry Tree Road	160th - 161st	9/18/2012	NB	949	47	7:00	150	150	17:00	255	8
				SB	996	103		105			8	
140	Cherry Tree Road	161st - 171st	9/18/2012	NB	1012	60	7:00	180	150	17:00	237	5
				SB	915	120		87			5	
142	Hague Road	SR 32 - SR 38	7/17/2012	NB	2596	125	7:00	383	392	17:00	532	3
				SB	2434	317		160			3	
143	Hague Road	SR 38 - Lakeview	9/18/2012	NB	4801	206	7:00	766	615	17:00	925	4
				SB	4734	566		324			4	
144	Hague Road	Lakeview - 196th	4/26/2011	NB	3443	256	7:00	709	427	17:00	670	5
				SB	2705	453		243			5	
145	Hague Road	196th - 206th	4/26/2011	NB	3441	346	7:00	762	409	17:00	667	4
				SB	3178	416		258			4	
146	Hague Road	206th - Carrigan	4/24/2012	NB	4296	188	7:00	720	483	17:00	855	2
				SB	4368	545		372			2	
147	Hague Road	Carrigan - 211th	4/24/2012	NB	1765	83	7:00	209	203	17:00	380	5
				SB	1720	136		177			5	
148	Hague Road	211th - 216th	9/25/2012	NB	1531	98	7:00	196	174	17:00	285	14
				SB	1524	137		111			14	
149	River Avenue	146th - 160th	7/17/2012	NB	2605	155	7:00	398	311	17:00	460	37
				SB	2547	302		185			37	
150	River Avenue	160th - Pleasant St Ext	7/17/2012	NB	1908	107	7:00	279	280	17:00	379	14
				SB	1711	208		110			14	
151	River Avenue	Pleasant St Ext - SR 32	9/18/2012	NB	2654	213	7:00	362	196	17:00	534	14
				SB	2836	162		341			14	
152	River Avenue	SR 32 - SR 38	7/19/2012	NB	1472	115	11:00	237	227	17:00	298	3
				SB	1519	122		130			3	
153	James Road	196th - 206th	9/25/2012	NB	94	8	7:00	17	14	18:00	23	10
				SB	83	9		9			10	
154	10th Street	Carbon St - Christian St	5/28/2013	NB	4264	217	7:00	548	455	17:00	720	1
				SB	3578	331		265			1	
155	10th Street	Christian St - Pleasant St	5/28/2013	NB	5059	256	7:00	570	467	17:00	761	No class
				SB	3888	314		294			No class	
157	10th Street	Field - 191st	7/24/2012	NB	3097	169	7:00	365	423	17:00	612	8
				SB	3023	292		229			8	
158	10th Street	191st - Cumberland	7/24/2012	NB	998	54	7:00	127	137	17:00	197	13
				SB	942	101		60			13	
159	Allisonville Road	Cumberland - SR 37	7/24/2012	NB	577	39	8:00	83	62	17:00	143	11
				SB	790	50		81			11	
160	Edith Road	Riverwood - 206th	10/2/2012	NB	100	5	7:00	11	12	17:00	20	1
				SB	89	7		10			1	
161	Herriman Blvd	146th Street - Herriman Ct	5/28/2013	NB	2530	233	7:00	378	229	17:00	538	8
				SB	2690	145		309			7	

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162	Herriman Blvd	Wellington Pkwy - Greenfield Ave	4/23/2013	NB	1755	131	7:00	274	220	17:00	362	4
				SB	1583	143			142			3
163	Greenfield Ave	10th Street - 16th Street	5/28/2013	EB	3637	212	8:00	478	366	17:00	652	12
				WB	3711	266			286			10
164	Greenfield Ave	16th street - Herriman Blvd	5/28/2013	EB	4150	268	7:00	582	391	17:00	739	8
				WB	4206	314			348			8
165	Greenfield Ave	Herriman Blvd - SR 37	4/23/2013	EB	4549	355	7:00	693	438	17:00	809	7
				WB	4464	338			371			8
166	Greenfield Ave	SR 37 - Cumberland Rd	4/23/2013	EB	6963	379	7:00	1085	678	17:00	1325	No class
				WB	7713	706			647			No class
167	Greenfield Ave	Cumberland Rd - Howe Rd	4/23/2013	EB	4221	200	7:00	628	421	17:00	784	8
				WB	4571	428			363			7
168	Greenfield Ave	Howe Rd - Union Chapel Rd	4/23/2013	EB	4398	239	7:00	695	464	17:00	841	10
				WB	4626	456			377			7
169	Greenfield Ave	Union Chapel Rd - Old Promise	5/28/2013	EB	4165	189	7:00	574	439	17:00	802	7
				WB	4343	385			363			7
170	Greenfield Ave	Promise Rd & Summer Rd	4/23/2013	EB	3535	184	7:00	513	372	17:00	704	7
				WB	3688	329			332			6
171	Greenfield Ave	Summer Rd - Marilyn Rd	4/23/2013	EB	3843	360	7:00	584	318	17:00	771	7
				WB	3979	224			453			7
172	Greenfield Rd	Marilyn Rd - Boden Rd	4/23/2013	EB	3812	467	7:00	621	269	17:00	738	5
				WB	3655	154			469			7
173	16th Street	Greenfield Ave - Pleasant St	5/28/2013	NB	913	81	7:00	125	95	17:00	155	2
				SB	826	44			60			3
174	Cumberland Rd	Field Dr - 191st Street	6/11/2013	NB	2066	83	7:00	242	218	17:00	346	3
				SB	1751	159			128			3
175	Cumberland Rd	191st Street - Allisonville Rd	6/11/2013	NB	2534	75	7:00	368	267	17:00	447	3
				SB	2979	293			180			3
176	Cumberland Road	Allisonville - Riverwood	10/2/2012	NB	3176	118	7:00	527	383	17:00	592	3
				SB	3214	409			238			3
177	Cumberland Road	Riverwood - 206th	10/2/2012	NB	2700	109	7:00	470	322	17:00	492	5
				SB	2778	361			197			5
178	Cumberland Road	206th - 221st	10/2/2012	NB	1302	55	7:00	175	157	17:00	227	3
				SB	937	120			70			3
179	Cumberland Rd	146th Street - Greenfield Ave	4/23/2013	NB	3309	139	7:00	412	419	17:00	644	6
				SB	2954	273			225			5
180	Cumberland Rd	Greenfield Ave - 166th St	4/23/2013	NB	1516	60	8:00	148	146	18:00	288	2
				SB	1554	88			142			4
181	Overdorf Road	Riverwood - 206th	10/2/2012	NB	94	4	7:00	20	13	18:00	22	1
				SB	112	17			9			1
182	Overdorf Road	206th - 211th	11/13/2012	NB	212	10	8:00	33	26	18:00	40	1
				SB	215	25			16			1
183	Overdorf Road	211th - 221st	11/6/2012	NB	125	11	7:00	20	15	17:00	25	5
				SB	130	9			14			5

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184	Howe Rd	141st Street - 146th Street	4/16/2013	NB	921	74	7:00	175	96	17:00	205	3
				SB	1030	101			109			4
185	Howe Rd	146th Street - Greenfield Ave	4/16/2013	NB	1716	50	7:00	273	234	17:00	330	2
				SB	1621	223			96			2
186	Promise Rd	146th Street - Greenfield Ave	4/16/2013	NB	1916	137	8:00	290	260	17:00	421	5
				SB	1798	153			161			6
187	Union Chapel Road	Greenfield - 166th	11/13/2012	NB	1887	141	7:00	253	218	17:00	413	3
				SB	1847	118			195			3
188a	Union Chapel Road	166th - Town & Country	1/24/2012	NB	1737	138	7:00	217	199	17:00	393	3
				SB	1791	92			194			3
188b	Union Chapel Road	Town & Country - Pleasant	12/20/2011	NB	1414	107	7:00	192	141	17:00	229	2
				SB	1164	85			88			2
188c	Union Chapel Road	Pleasant - SR 32/38	12/20/2011	NB	1958	130	11:00	223	208	17:00	337	2
				SB	1466	115			129			2
189	Promise Rd	141st Street - 146th Street	4/16/2013	NB	1938	166	7:00	318	198	17:00	449	2
				SB	1977	152			251			3
191	Promise Rd	SR 32 - 181st Street	1/29/2013	NB	1372	67	7:00	248	197	17:00	314	2
				SB	1398	181			117			2
192	Promise Rd	181st street - 186th Street	1/29/2013	NB	1287	69	7:00	235	182	17:00	294	2
				SB	1317	166			112			2
193	Promise Road	186th - 191st	8/7/2012	NB	1412	50	7:00	177	184	17:00	291	2
				SB	1249	127			107			2
194	Promise Road	191st - 196th	8/7/2012	NB	1018	53	7:00	154	117	17:00	197	2
				SB	982	101			80			2
195	Promise Rd	196th Street - SR 37	1/29/2013	NB	545	43	7:00	117	62	17:00	114	2
				SB	539	74			52			2
196	Riverwood Avenue	Edith - Cumberland	10/2/2012	EB	124	15	7:00	19	13	17:00	31	2
				WB	161	11			18			2
197	Riverwood Avenue	Cumberland - Overdorf	10/9/2012	NB	384	18	7:00	44	48	16:00	75	1
				SB	357	34			27			1
198	Riverwood Avenue	Overdorf - 206th	11/6/2012	NB	287	7	7:00	21	35	17:00	52	5
				SB	197	14			19			5
199	White River Avenue	206th - 211th	11/6/2012	NB	659	37	7:00	93	75	16:00	131	9
				SB	657	61			57			9
200	White River Avenue	211th - 221st	11/6/2012	NB	224	14	7:00	25	27	17:00	48	7
				SB	224	13			23			7
201	Mallery Rd	181st Street - 191st Street	6/4/2013	NB	57	1	7:00	7	6	16:00	13	4
				SB	61	6			7			3
202	Summer Rd	Greenfield Ave - 156th Street	4/23/2013	NB	231	16	7:00	28	23	17:00	44	7
				SB	231	12			21			4
203	Summer Rd	156th Street - 166th Street	1/8/2013	NB	445	36	7:00	47	45	18:00	97	2
				SB	509	11			52			1
204	Summer Rd	191st Street - 196th Street	6/4/2013	NB	89	1	8:00	9	9	16:00	16	2
				SB	91	8			7			3

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205	Marilyn Rd	136th Street - 141st Street	4/16/2013	NB	1603	156	7:00	338	154	17:00	398	3
				SB	1712	182		244		5		
206	Marilyn Rd	141st Street - 146th Street	4/16/2013	NB	1766	179	7:00	303	155	17:00	394	4
				SB	1692	124		239		5		
207	Marilyn Rd	146th Street - Greenfield Ave	4/16/2013	NB	1785	79	7:00	271	199	17:00	336	3
				SB	1553	192		137		4		
208	Creek Rd	196th Street - 206th Street	6/4/2013	NB	125	4	7:00	12	15	17:00	26	0
				SB	125	8		11		0		
209	Creek Rd	206th Street - 211th Street	1/29/2013	NB	102	1	6:00	9	30	14:00	38	6
				SB	107	8		8		6		
210	Creek Rd	211th Street - 216th Street	1/29/2013	NB	85	1	6:00	7	26	14:00	30	6
				SB	77	6		4		4		
211	Boden Rd	Campus Pkwy - Greenfield Ave	6/18/2013	NB	4781	132	7:00	678	525	17:00	838	No class
				SB	5243	546		313		No class		
212	Boden Rd	146th Street - 156th Street	1/8/2013	NB	1811	57	7:00	297	276	17:00	403	4
				SB	1829	240		127		4		
213	Boden Rd	156th Street - 166th Street	6/4/2013	NB	1594	66	7:00	223	197	17:00	335	5
				SB	1698	157		138		5		
214	Boden Rd	156th Street - SR 38	12/11/2012	NB	1328	71	7:00	201	179	17:00	289	6
				SB	1312	130		110		9		
215	Middletown Ave	SR 38 & Pennington Rd	12/11/2012	NB	616	46	7:00	114	83	17:00	130	4
				SB	587	68		47		7		
216	Deshane Ave	181st Street - 186th Street	1/29/2013	NB	50	2	8:00	5	5	14:00	10	3
				SB	39	3		5		4		
217	Deshane Ave	186th Street - 191st Street	6/11/2013	NB	74	3	7:00	7	6	17:00	15	3
				SB	85	4		9		2		
218	Victory Chapel Rd	191st Street - 196th Street	6/11/2013	NB	112	5	7:00	12	11	17:00	18	1
				SB	95	7		7		1		
219	Pennington Rd	Middletown Ave - SR 32	1/29/2013	NB	116	9	7:00	24	12	16:00	21	5
				SB	120	15		9		5		
220	Pennington Rd	SR 32 - 186th Street	1/29/2013	NB	117	7	7:00	20	13	17:00	20	5
				SB	103	13		7		3		
221	Victory Chapel Rd	196th Street - 206th Street	6/4/2013	NB	56	1	7:00	6	9	17:00	15	2
				SB	63	5		6		3		
222	Victory Chapel Rd	206th Street - 216th Street	1/29/2013	NB	24	1	8:00	6	5	15:00	10	6
				SB	43	5		5		10		
223	Mystic Rd	SR 38 - Middletown Ave	12/11/2012	NB	61	2	7:00	13	7	17:00	14	7
				SB	56	11		7		4		
224	Olio Rd	141st Street - 146th Street	12/4/2012	NB	2241	142	7:00	423	274	17:00	452	5
				SB	2085	281		178		7		
225	Olio Rd	146th Street - 156th Street	12/11/2012	NB	1320	86	7:00	242	182	17:00	281	8
				SB	1153	156		99		10		
226	Olio Rd	156th Street - 166th Street	12/11/2012	NB	1090	74	7:00	200	141	17:00	226	8
				SB	956	126		85		10		

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Segment ID	Street	Location	Start Date of Count	Direction	AADT (vpd)	AM Peak (vph)	Combined AM Peak Hr	Combined AM Peak Vol (vph)	PM Peak (vph)	Combined PM Peak Hr	Combined PM Peak Vol (vph)	Daily % Truck
227	Olio Rd	166th Street - SR 38	12/11/2012	NB	887	67	7:00	161	118	17:00	183	9
				SB	680	94			65		13	
228	Mystic Rd	196th Street - 206th Street	6/11/2013	NB	10	1	7:00	2	0	16:00	3	5
				SB	13	1			3		20	
229	Olio Rd	206th Street - 216th Street	1/15/2013	NB	11	1	7:00	2	2	15:00	6	5
				SB	19	1			4		3	
230	Pilgrim Rd	191st Street - 196th Street	1/8/2013	NB	28	1	7:00	6	6	16:00	7	7
				SB	27	5			1		7	
231	166th Street	Olio Rd - Durbin Rd	12/11/2012	NB	150	5	7:00	26	22	17:00	36	5
				SB	157	21			14		4	
232	Durbin Rd	SR 38 - Middletown Ave	12/11/2012	NB	226	17	7:00	44	29	16:00	51	3
				SB	229	27			22		4	
233	Durbin Rd	Middletown Ave - SR 32	12/11/2012	NB	59	2	7:00	13	7	17:00	14	7
				SB	56	11			7		4	
234	Durbin Rd	SR 32 - 186th Street	12/11/2012	NB	155	4	7:00	27	20	17:00	33	5
				SB	165	23			13		6	
235	Durbin Rd	186th Street - 191st Street	12/11/2012	NB	114	7	8:00	20	15	17:00	24	6
				SB	113	13			9		6	
236	Durbin Rd	206th Street - 216th Street	1/15/2013	NB	42	1	7:00	6	6	15:00	11	15
				SB	42	5			5		9	
237	Prairie Baptist Rd	146th Street - 156th Street	12/4/2012	NB	312	12	7:00	52	51	15:00	68	2
				SB	297	40			17		2	
238	Prairie Baptist Rd	156th Street - SR 38	1/8/2013	NB	315	15	7:00	63	43	17:00	64	3
				SB	300	48			21		2	
239	Prairie Baptist Rd	SR 38 - 176th Street	1/8/2013	NB	343	16	7:00	73	45	17:00	71	3
				SB	335	57			26		7	
240	Prairie Baptist Rd	176th Street - Middletown Ave	12/11/2012	NB	359	8	7:00	52	48	16:00	78	2
				SB	338	44			30		2	
241	Prairie Baptist Rd	Middletown Ave - SR 32	12/11/2012	NB	367	15	7:00	59	46	16:00	75	6
				SB	348	44			29		5	
242	Prairie Baptist Rd	SR 32 - 191st Street	12/11/2012	NB	252	10	8:00	32	34	17:00	56	4
				SB	267	22			22		2	
243	Prairie Baptist Rd	191st Street - 196th Street	1/15/2013	NB	304	10	7:00	48	33	16:00	57	2
				SB	305	38			24		3	
244	Prairie Baptist Rd	196th Street - 206th Street	1/15/2013	NB	274	10	7:00	37	28	17:00	51	3
				SB	279	27			23		3	
245	Prairie Baptist Rd	206th Street - 211th street	1/15/2013	NB	157	5	7:00	15	17	17:00	33	6
				SB	145	10			16		3	
246	Prairie Baptist Rd	211th Street - 216th Street	1/15/2013	NB	143	5	7:00	15	15	17:00	31	4
				SB	138	10			16		5	
247	Cyntheanne Rd	136th Street - 146th Street	12/4/2012	NB	329	32	7:00	71	41	17:00	78	5
				SB	312	39			37		5	
248	Cyntheanne Rd	146th Street - 156th Street	1/8/2013	NB	264	22	7:00	47	30	17:00	69	6
				SB	244	25			39		6	

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249	Cyntheanne Rd	156th Street - SR 38	12/4/2012	NB	287	29	7:00	62	35	17:00	67	3
				SB	258	33			32		3	
250	Cyntheanne Rd	SR 38 - 169th Street	12/4/2012	NB	186	12	7:00	38	27	17:00	44	4
				SB	164	26			17		7	
251	Cyntheanne Rd	169th Street - 176th Street	12/11/2012	NB	179	12	7:00	35	23	17:00	41	4
				SB	152	23			18		8	
252	Cyntheanne Rd	176th Street - 186th Street	12/4/2012	NB	157	10	7:00	31	22	17:00	37	10
				SB	145	21			15		9	
253	Cyntheanne Rd	186th Street - SR 32	1/8/2013	NB	376	49	7:00	78	34	17:00	75	3
				SB	320	29			41		3	
254	Cyntheanne Rd	SR 32 - 191st Street	1/8/2013	NB	166	13	7:00	28	18	15:00	31	8
				SB	169	15			13		10	
255	Cyntheanne Rd	191st Street - 196th Street	1/15/2013	NB	153	9	7:00	23	15	17:00	28	7
				SB	137	14			13		10	
256	Cyntheanne Rd	196th Street - Montana Ave	1/15/2013	NB	132	12	7:00	23	12	17:00	33	7
				SB	155	11			21		9	
257	Cyntheanne Rd	Montana Ave - 206th Street	1/15/2013	NB	127	13	7:00	24	12	17:00	33	7
				SB	148	11			21		10	
258	Cyntheanne Rd	206th Street - 211th Street	1/15/2013	NB	69	4	8:00	10	8	16:00	17	2
				SB	73	6			9		7	
259	Cyntheanne Rd	206th Street - 216th Street	1/15/2013	NB	62	5	8:00	9	9	16:00	15	9
				SB	55	4			5		3	
260	Montana Ave	Cyntheanne Rd - 196th Street	1/15/2013	NB	12	1	7:00	3	2	17:00	4	0
				SB	15	2			2		3	
261	Atlantic Rd	146th Street - 156th Street	12/4/2012	NB	50	4	7:00	13	6	17:00	12	10
				SB	75	9			6		5	
262	Atlantic Rd	156th Street - SR 38	12/4/2012	NB	82	8	7:00	18	14	16:00	24	12
				SB	102	10			10		6	
263	Atlantic Rd	SR 38 - 169th Street	12/4/2012	NB	120	8	7:00	26	16	16:00	32	2
				SB	141	18			16		2	
264	Atlantic Rd	169th Street - 176th Street	12/4/2012	NB	124	8	7:00	27	17	16:00	31	4
				SB	141	19			14		1	
265	Atlantic Rd	176th Street - 186th Street	12/4/2012	NB	132	13	7:00	34	20	16:00	36	4
				SB	161	21			16		3	
266	Atlantic Rd	186th Street - SR 32	12/4/2012	NB	178	19	7:00	44	25	16:00	46	4
				SB	218	25			26		4	
267	Atlantic Rd	SR 32 - 196th Street	1/15/2013	NB	1375	95	7:00	249	150	17:00	278	13
				SB	1412	154			128		12	
268	SR 13	196th Street - 206th Street	1/15/2013	NB	1249	92	7:00	225	131	17:00	246	13
				SB	1224	113			115		13	
269	SR 13	206th Street - 216th Street	1/15/2013	NB	1220	93	7:00	223	131	17:00	238	13
				SB	1187	130			107		13	
270	Hazel Dell Road	146th - 156th	6/26/2012	NB	7957	373	7:00	1385	1044	17:00	1670	3
				SB	8098	1057			626		3	

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271	Hazel Dell Road	156th - 161st	6/26/2012	NB	7326	348	7:00	1297	992	17:00	1596	3
				SB	7489	975			604		3	
272	Hazel Dell Road	161st - 169th	6/26/2012	NB	6892	323	7:00	1185	963	17:00	1488	3
				SB	6801	906			525		3	
273	Hazel Dell Road	169th - SR 32	6/26/2012	NB	6545	314	7:00	1137	906	17:00	1374	10
				SB	6243	839			468		10	
274	Cherry Tree Road	171st - SR 32	12/13/2011	NB	964	91	7:00	137	98	17:00	191	3
				SB	742	46			93		3	
275	Middletown Ave	Mystic Rd - Durbin Rd	12/11/2012	EB	536	43	7:00	102	71	17:00	111	4
				WB	491	59			40		7	
276	Middletown Ave	Durbin Rd - Prairie Baptist Rd	6/25/2013	EB	376	13	7:00	54	65	17:00	88	6
				WB	307	41			23		2	
277	Middletown Ave	Prairie Baptist Rd - Cyntheanne Rd	12/11/2012	EB	339	18	7:00	60	50	16:00	73	1
				WB	301	42			23		1	

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