



243 Allen Street  
State College, PA 16801  
(814) 234-7109

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BOROUGH WIDE  
2010  
TRAFFIC COUNTS FOR  
GREENTREES AND HOLMES FOSTER  
NEIGHBORHOODS

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Prepared By:

**S**TAHL  
**S**HEAFFER  
ENGINEERING, LLC

3941 S. Atherton Street, Suite A  
State College, PA 16801  
(814) 689-1562

Submitted: May 2010

**Borough-wide Traffic Count Summary Table**

Borough of State College, Centre Co., PA

Count No.	Seg. No.	STREET	FROM	TO	2000-2004 Data				2008-2011 Data					
					Count Date	Recorded Volume		85th %ile Speed		Count Date	Recorded Volume		85th %ile Speed	
						Direction	Total	Direction	Total		Direction	Total		
<b>WEST COLLEGE HEIGHTS</b>														
1	1-1	Arbor Way	Sunset Road	Atherton Street	09/18/03	E 98 W 112	210	E 29 W 29	29		E W		0	
2	1-2	Clarence Avenue	Franklin Street	Fairway Road	09/23/03	E 17 W 13	30	E 23 W 23	23		E W		0	
3	1-3	Fairway Road	Ridge Avenue	Hillcrest Avenue	09/23/03	N 131 S 157	288	N 25 S 26	26		N S		0	
4	1-4	Glenn Road	Hillcrest Avenue	Ridge Avenue	09/18/03	N 46 S 101	147	N 29 S 30	30		N S		0	
5	1-5	Glenn Road	Hillcrest Avenue	Taylor Street	09/23/03	E 100 W 102	202	E 30 W 30	30		E W		0	
6	1-6	Martin Terrace	Glenn Road	Hillcrest Avenue	09/23/03	E 207 W 229	436	E 34 W 33	34		E W		0	
7	1-7	Orlando Avenue	Taylor Street	Glenn Avenue	09/23/03	E 94 W 103	197	E 28 W 29	29		E W		0	
8	1-8	Sunset Road	Ridge Avenue	Hillcrest Avenue	09/23/03	N 123 S 126	249	N 26 S 24	25		N S		0	
9	1-9	Taylor Street	Glenn Road	Martin Terrace	09/23/03	N 367 S 362	729	N 34 S 33	34		N S		0	
10	1-10	West Park Avenue	Sunset Road	Atherton Street	09/18/03	E NA W 130	130	E NA W 19	19		E W		0	
11	1-11	West View Avenue	Franklin Street	Fairway Road	09/18/00	E 64 W 50	114	E 24 W 23	24		E W		0	
179	1-12	Sunset Road	Arbor Way	Ridge Avenue	11/06/03	N 102 S 132	234	N 24 S 25	25		N S		0	
180	1-13	Sunset Road	Ridge Avenue	West Park Avenue	11/06/03	N 104 S 43	147	N 23 S 20	22		N S		0	
181	1-14	Ridge Avenue	Sunset Road	Atherton Street	11/06/03	E 327 W 81	408	E 31 W 29	30		E W		0	
182	1-15	North Patterson Street	College Avenue	Borough Line	11/04/03	N 652 S 874	1526	N 25 S 25	25		N S		0	
183	1-16	North Sparks Street	College Avenue	Borough Line	11/04/03	N 427 S 405	832	N 25 S 25	25		N S		0	
184	1-17	North Barnard Street	College Avenue	Borough Line	11/04/03	N 711 S 1684	2395	N 25 S 25	25		N S		0	
<b>EAST COLLEGE HEIGHTS</b>														
12	2-1	Hillcrest Avenue	Woodland Drive	North Allen Street	09/25/03	E 250 W 349	599	E 30 W 30	30		E W		0	
13	2-2	Adams Avenue	North Allen Street	Terminus	09/25/03	E 50 W 68	118	E 28 W 28	28		E W		0	
14	2-3	Ferguson Avenue	McKee Street	Terminus	09/25/03	E 20 W 21	41	E 18 W 14	16		E W		0	

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						Direction	Total	Direction	Total		Direction	Total	
15	2-4	Hartswick Avenue	North Allen Street	McKee Street	09/25/03	E 59 W 81	140	E 25 W 25	25		E W	0	
16	2-5	Hillcrest Avenue	Atherton Street	North Burrowes	09/25/03	E 286 W 367	653	E 14 W 14	14		E W	0	
17	2-6	Holmes Street	Hartswick Avenue	Park Avenue	09/25/03	N 138 S 103	241	N 28 S 29	29		N S	0	
18	2-7	Jackson Street	Mitchell Avenue	Adams Avenue	09/25/03	N 35 S 46	81	N 28 S 29	29		N S	0	
19	2-8	McKee Street	Hartswick Avenue	Park Avenue	09/25/03	N 256 S 219	475	N 29 S 28	29		N S	0	
20	2-9	Mitchell Avenue	Atherton Street	North Allen Street	09/23/03	E 105 W 112	217	E 30 W 28	29		E W	0	
21	2-10	Mitchell Avenue	North Allen Street	Terminus	09/30/03	E 32 W 13	45	E 23 W 23	23		E W	0	
22	2-11	North Burrowes	Park Avenue	Ridge Avenue	09/30/03	N 131 S 124	255	N 24 S 23	24		N S	0	
23	2-12	North Burrowes	Ridge Avenue	Hillcrest Avenue	09/30/03	N 21 S 21	42	N 20 S 19	20		N S	0	
24	2-13	Ridge Avenue	Atherton Street	North Allen Street	09/30/03	E 81 W 195	276	E 27 W 30	29		E W	0	
25	2-14	Thomas Street	North Allen Street	Mitchell Avenue	09/30/03	N 62 S 30	92	N 29 S 25	27		N S	0	
26	2-15	Thomas Street	Mitchell Avenue	Adams Avenue	09/30/03	N 58 S 77	135	N 23 S 24	24		N S	0	
27	2-16	Woodland Drive	Atherton Street	Adams Avenue	09/30/03	E 42 W 49	91	E 23 W 24	24		E W	0	
185	2-17	Adams Avenue	Thomas Street	North Allen Street	11/06/03	E 131 W 195	326	E 19 W 20	20		E W	0	
186	2-18	North Allen Street	Park Avenue	Burrowes Street	11/06/03	N 364 S 363	727	N 25 S 23	24		N S	0	
187	2-19	North Allen Street	Thomas Street	Borough Line	11/06/03	N 328 S 323	651	N 34 S 33	34		N S	0	
<b>GREENTREES</b>													
28	3-1	Amelia Avenue	Grace Street	Crabapple Drive	04/15/03	E 136 W 149	285	E 28 W 29	29	03/16/10	E 102 W 113	215	29
29	3-2	Barley Way	Crabapple Drive	Bayberry Drive	04/15/03	E 62 W 84	146	E 25 W 27	26	03/16/10	E 32 W 44	76	27
30	3-3	Bayberry Drive	Blue Course Drive	Westerly Parkway	04/15/03	N 493 S 396	889	N 35 S 34	35	03/16/10	N 330 S 278	608	35
31	3-4	Crabapple Drive	Grace Street	Hedgerow Drive	04/15/03	N 252 S 247	499	N 33 S 33	33	03/16/10	N 233 S 195	428	33
32	3-5	Grace Street	Crabapple Drive	Borough Line	04/15/03	N 137 S 116	253	N 29 S 29	29	3/18/10	N 98 S 112	210	32

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					Count Date	Recorded Volume		85th %ile Speed		Count Date	Recorded Volume		85th %ile Speed			
						Direction	Total	Direction	Total		Direction	Total				
33	3-6	Grace Street	Crabapple Drive	Bayberry Drive	04/15/03	N	242	488	N	28	29	03/18/10	N	197	415	29
						S	246		S	29						
34	3-7	O'Bryan Lane	Waupelani Drive	Westerly Parkway	04/17/03	N	2501	5445	N	30	30	04/15/10	N	1971	4453	29
						S	2944		S	30						
35	3-8	Oneida Street	Waupelani Drive	Westerly Parkway	04/17/03	N	155	261	N	32	31	03/18/10	N	107	235	30
						S	106		S	30						
36	3-9	Saxton Drive	Bayberry Drive	South Sparks Street	04/17/03	N	243	431	N	33	33	03/23/10	N	212	421	32
						S	188		S	33						
37	3-10	Saxton Drive	Westerly Parkway	Bayberry Drive	04/17/03	N	627	1239	N	32	32	03/23/10	N	433	811	30
						S	612		S	31						
38	3-11	South Sparks Street	Saxton Drive	Westerly Parkway	04/17/03	E	382	718	E	33	33	03/23/10	E	288	629	26
						W	336		W	34						
39	3-12	Southgate Drive	Blue Course Drive	Waupelani Drive	04/17/03	E	784	1488	E	34	35	03/23/10	E	875	1774	33
						W	704		W	35						
40	3-13	Stratford Court	Blue Course Drive	Blue Course Drive	04/17/03	N	97	175	N	20	20	03/25/10	N	88	162	20
						S	78		S	20						
199	3-14	Stratford Drive	Blue Course Drive	Waupelani Drive	11/20/03	E	276	898	E	35	35	03/25/10	E	1103	1971	38
						W	622		W	35						
42	3-15	Webster Drive	Bayberry Drive	Saxton Drive	04/15/03	E	100	168	E	30	29	03/25/10	E	77	131	31
						W	68		W	29						
43	3-16	Wheatfield Drive	Webster Drive	Saxton Drive	04/15/03	E	41	85	E	27	27	03/25/10	E	43	94	27
						W	44		W	27						
188	3-17	Hedgerow Drive	Westerly Parkway	Crabapple Drive	11/04/03	N	604	1216	N	30	28	03/30/10	N	486	969	29
						S	612		S	29						
<b>HOLMES FOSTER</b>																
44	4-1	Corl Street	Borough Line	Westerly Parkway	03/25/03	N	1508	2391	N	34	34	03/30/10	N	678	1314	29
						S	883		S	33						
45	4-2	Dorum Avenue	Corl Street	Westerly Parkway	03/25/03	E	36	182	E	30	30	03/30/10	E	34	146	29
						W	146		W	30						
46	4-3	Metz Avenue	Osmond Street	South Buckhout Street	03/25/03	E	76	167	E	29	31	03/30/10	E	108	222	30
						W	91		W	32						
47	4-4	Nittany Avenue	Patterson Street	South Sparks Street	03/25/03	E	51	131	E	15	14	04/06/10	E	51	146	28
						W	80		W	14						
48	4-5	Nittany Avenue	South Sparks Street	Atherton Street	03/25/03	E	78	227	E	13	14	04/06/10	E	94	309	28
						W	149		W	15						
49	4-6	Osmond Street	Corl Street	Borough Line	03/25/03	E	136	238	E	30	30	04/06/10	E	139	236	29
						W	102		W	30						
50	4-7	Patterson Street	Fairmount Avenue	Beaver Avenue	03/25/03	N	121	235	N	15	14	04/06/10	N	133	234	27
						S	114		S	14						
51	4-8	Prospect Avenue	South Sparks Street	Atherton Street	03/20/03	E	305	599	E	30	31	04/08/10	E	384	794	31
						W	294		W	31						
52	4-9	South Barnard Street	Prospect Avenue	Fairmount Avenue	03/20/03	N	138	215	N	28	27	04/08/10	N	85	220	23
						S	77		S	24						

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<b>HOLMES FOSTER (CONTINUED)</b>																
53	4-10	South Barnard Street	West Foster Avenue	Beaver Avenue	03/20/03	N	409	876	N	14	14	04/08/10	N	399	779	28
						S	467		S	14			S	380		
54	4-11	South Barnard Street	Fairmount Avenue	West Foster Avenue	03/20/03	N	213	409	N	14	14	04/13/10	N	311	497	27
						S	196		S	14			S	186		
55	4-12	South Buckhout Street	West Fairmount Avenue	Beaver Avenue	03/20/03	N	273	784	N	31	30	04/13/10	N	181	519	30
						S	511		S	30			S	338		
56	4-13	South Gill Street	Prospect Avenue	Fairmount Avenue	03/20/03	N	90	185	N	26	28	04/13/10	N	113	215	27
						S	95		S	28			S	102		
57	4-14	South Gill Street	Fairmount Avenue	West Foster Avenue	03/20/03	N	163	287	N	14	14	04/13/10	N	194	303	27
						S	124		S	14			S	109		
58	4-15	South Gill Street	West Foster Avenue	Beaver Avenue	03/20/03	N	286	528	N	14	14	04/13/10	N	225	421	28
						S	242		S	14			S	196		
59	4-16	South Sparks Street	Westerly Parkway	Fairmount Avenue	03/18/03	N	721	1450	N	31	33	04/15/10	N	655	1369	34
						S	729		S	35			S	714		
60	4-17	South Sparks Street	Fairmount Avenue	Beaver Avenue	03/18/03	N	949	1736	N	36	35	04/20/10	N	819	1420	35
						S	787		S	34			S	601		
61	4-18	West Fairmount Avenue	Westerly Parkway	South Buckhout Street	03/18/03	E	416	936	E	32	34	04/15/10	E	410	792	30
						W	520		W	34			W	382		
62	4-19	West Fairmount Avenue	South Buckhout Street	South Sparks Street	03/18/03	E	286	467	E	30	30	04/15/10	E	457	741	30
						W	181		W	30			W	284		
63	4-20	West Fairmount Avenue	South Sparks Street	Atherton Street	03/18/03	E	139	263	E	14	14	04/20/10	E	221	398	31
						W	124		W	14			W	177		
64	4-21	West Foster Avenue	South Buckhout Street	South Sparks Street	03/18/03	E	183	372	E	30	30	04/20/10	E	190	348	29
						W	189		W	30			W	158		
65	4-22	West Foster Avenue	South Sparks Street	Atherton Street	03/18/03	E	349	798	E	32	31	04/20/10	E	337	591	29
						W	449		W	30			W	254		
66	4-23	West Hamilton Avenue	Westerly Parkway	South Sparks Street	03/18/03	E	242	455	E	14	14	04/20/10	E	217	373	33
						W	213		W	14			W	156		
189	4-24	Buckhout Street	Beaver Avenue	Metz Avenue	11/04/03	N	413	1159	N	31	32	04/29/10	N	279	770	33
						S	746		S	32			S	491		
<b>HOLMES FOSTER</b>																
67	5-1	Barnard Street	Beaver Avenue	West College Avenue	09/18/03	N	968	2650	N	26	27	04/22/10	N	538	1956	26
						S	1682		S	28			S	1418		
68	5-2	Gill Street	Beaver Avenue	West College Avenue	09/18/03	N	313	964	N	26	27	04/22/10	N	345	1230	28
						S	651		S	27			S	885		
69	5-3	Patterson Street	Beaver Avenue	West College Avenue	09/18/03	N	201	1117	N	27	28	04/22/10	N	222	1091	28
						S	916		S	28			S	869		
70	5-4	Sparks Street	Beaver Avenue	West College Avenue	09/18/03	N	605	1685	N	26	27	04/22/10	N	412	1081	25
						S	1080		S	27			S	669		
<b>DOWNTOWN</b>																
71	6-1	Burrowes Street	Beaver Avenue	West College Avenue	09/16/03	N	1717	4328	N	26	26	09/30/08	N	1381	4359	24
						S	2611		S	25			S	2978		
72	6-2	Garner Street	Beaver Avenue	West College Avenue	10/02/03	N	5574	8534	N	26	25	09/30/08	N	3182	5130	26
						S	2960		S	24			S	1948		

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<b>HIGHLANDS</b>														
73	7-1	Burrowes Street	Beaver Avenue	Fairmount Avenue	04/24/03	N 39 <sup>(1)</sup> S 1337	1376 <sup>(1)</sup>	N 13 <sup>(1)</sup> S 29	29 <sup>(1)</sup>	09/30/08	N S	1012	27	
74	7-2	Crestmont Avenue	Fraser Street	Walnut Street	04/22/03	E 51 W 80	131	E 27 W 29	29	09/23/08	E W	101	28	
75	7-3	Crestmont Avenue	Walnut Street	South Allen Street	04/22/03	E 84 W 90	174	E 28 W 25	27	09/23/08	E W	144	27	
76	7-4	Fairmount Avenue	Atherton Street	Burrowes Street	04/29/03	E 620 W 528	1148	E 29 W 30	30	09/23/08	E W	1415	29	
77	7-5	Fairmount Avenue	Burrowes Street	Fraser Street	04/29/03	E 1474 W 448	1922	E 28 W 29	28	09/23/08	E W	1943	28	
78	7-6	Fairmount Avenue	Fraser Street	South Allen Street	04/29/03	E 917 W 724	1641	E 30 W 30	30	09/25/08	E W	2061	29	
79	7-7	Fairmount Avenue	South Allen Street	Pugh Street	04/29/03	E 895 W 791	1686	E 29 W 29	29	09/25/08	E W	1726	28	
80	7-8	Fairmount Avenue	Pugh Street	Garner Street	04/29/03	E 789 W 666	1455	E 30 W 30	30	09/25/08	E W	1517	30	
81	7-9	Fairmount Avenue	Garner Street	Hetzel Street	09/30/03	E 275 W 127	402	E 14 W 14	14	09/25/08	E W	417	29	
82	7-10	Foster Avenue	Burrowes Street	Atherton Street	04/24/03	E 659 W 686	1345	E 27 W 25	01/25/00	09/30/08	E W	715	24	
83	7-11	Foster Avenue	Burrowes Street	Fraser Street	04/24/03	E 812 W 219	1031	E 25 W 24	25	10/02/08	E W	939	24	
84	7-12	Foster Avenue	South Allen Street	Pugh Street	04/29/03	E 727 W 648	1375	E 24 W 27	25	10/02/08	E W	2105	23	
85	7-13	Foster Avenue	Pugh Street	Garner Street	04/29/03	E 682 W 1154	1836	E 29 W 28	29	10/02/08	E W	1609	29	
86	7-14	Foster Street	Garner Street	University Drive	9/23/02- 9/29/02	E 497 W 801	1298	E (2) W (2)	28	10/02/08	E W	958	24	
87	7-15	Fraser Street	Beaver Avenue	Fairmount Avenue	04/24/03	N 1414 S 31 <sup>(1)</sup>	1445 <sup>(1)</sup>	N 32 S 13 <sup>(1)</sup>	32 <sup>(1)</sup>	10/07/08	N S	1261	30	
88	7-16	Garner Street	Beaver Avenue	Foster Avenue	9/9/02- 9/13/02	N 2584 S 3586	6170	N (2) S (2)	28	10/07/08	N S	4609	29	
89	7-17	Garner Street	Foster Avenue	Fairmount Avenue	10/02/03	N 2289 S 2892	5181	N 34 S 35	35	10/07/08	N S	3908	35	
90	7-18	Garner Street	Fairmount Avenue	Prospect Avenue	10/02/03	N 1903 S 2337	4240	N 34 S 33	34	10/07/08	N S	3144	35	
91	7-19	Garner Street	Prospect Avenue	Easterly Parkway	9/9/02- 9/13/02	N 1256 S 1517	2773	N (2) S (2)	34	10/14/08	N S	2157	37	

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						Direction	Total	Direction	Total		Direction	Total	
92	7-20	Hamilton Avenue	Atherton Street	Fraser Street	04/24/03	E 1552 W 1428	2980	E 33 W 33	33	11/11/08	E 941 W 1179	2120	33
93	7-21	Hamilton Avenue	Fraser Street	South Allen Street	04/24/03	E 1369 W 1318	2687	E 34 W 35	35	11/13/08	E 1618 W 1435	3053	32
94	7-22	Hamilton Avenue	South Allen Street	Pugh Street	05/01/03	E 1005 W 1063	2068	E 29 W 29	29	11/18/08	E 756 W 800	1556	28
95	7-23	Hamilton Avenue	Pugh Street	Garner Street	05/01/03	E 811 W 1014	1825	E 34 W 33	33	10/14/08	E 612 W 766	1378	31
96	7-24	Hamilton Avenue	Garner Street	University Drive	9/9/02-9/13/02	E 664 W 690	1354	E (2) W (2)	33	10/09/08	E 584 W 542	1126	25
192	7-24	Hamilton Avenue	Garner Street	University Drive	11/18/03	E 593 W 686	1279	E 35 W 35	35	NA	E NA W NA	NA	NA
97	7-25	Hetzel Street	Beaver Avenue	Foster Avenue	10/02/03	N 455 S 13	468	N 23 S 20	22	10/14/08	N 585 S	585	20
98	7-26	Hetzel Street	Foster Avenue	Fairmount Avenue	10/02/03	N 434 S 97	531	N 25 S 25	25	10/14/08	N 356 S 60	416	29
99	7-27	Hetzel Street	Fairmount Avenue	Prospect Avenue	10/7/02-10/11/02	N 285 S 158	443	N (2) S (2)	28	10/16/08	N 320 S 173	493	26
100	7-28	Hetzel Street	Prospect Avenue	Hamilton Avenue	10/7/02-10/11/02	N 98 S 77	175	N (2) S (2)	27	10/16/08	N 80 S 81	161	26
101	7-29	High Street	Beaver Avenue	Foster Avenue	9/23/02-9/27/02	N 438 S 66	504	N (2) S (2)	01/26/00	10/16/08	N 460 S 70	530	25
102	7-30	High Street	Foster Avenue	Fairmount Avenue	10/02/03	N 44 S 34	78	N 14 S 16	15	10/16/08	N 46 S 43	89	14
103	7-31	Irvin Avenue	Fraser Street	Walnut Street	04/22/03	E 185 W 143	328	E 29 W 31	30	10/21/08	E 169 W 150	319	32
104	7-32	Irvin Avenue	Walnut Street	South Allen Street	04/22/03	E 210 W 149	359	E 30 W 29	29	10/21/08	E 203 W 154	357	30
105	7-33	Irvin Avenue	South Allen Street	Pugh Street	05/01/03	E 135 W 133	268	E 29 W 27	28	10/21/08	E 118 W 161	279	29
106	7-34	Irvin Avenue	Pugh Street	Garner Street	05/01/03	E 167 W 172	339	E 36 W 35	36	10/21/08	E 139 W 197	336	35
107	7-35	Irvin Avenue	Garner Street	University Drive	9/9/02-9/13/02	E 166 W 216	382	N (1) S (1)	34	10/23/08	E 163 W 242	405	35
108	7-36	Keller Street	Foster Avenue	Prospect Avenue	9/23/02-9/27/02	N 173 S 48	221	N (1) S (1)	31	10/23/08	N 188 S 55	243	33
409	7-37	Keller Street <sup>(2)</sup>	Fairmount Avenue	Prospect Avenue	NA				NA	NA	NA	NA	NA
110	7-38	Locust Lane	Beaver Avenue	Foster Avenue	05/01/03	N 1045 S N/A	1045	N 27 S N/A	27	10/23/08	N 864 S	864	24
111	7-39	Locust Lane	Foster Avenue	Fairmount Avenue	05/01/03	N 562 S N/A	562	N 29 S N/A	29	10/23/08	N 486 S	486	27
112	7-40	Locust Lane	Fairmount Avenue	Prospect Avenue	05/01/03	N 444 S N/A	444	N 13 S N/A	13	10/28/08	N 365 S	365	25

**Borough-wide Traffic Count Summary Table**

Borough of State College, Centre Co., PA

Count No.	Seg. No.	STREET	FROM	TO	2000-2004 Data						2008-2011 Data					
					Count Date	Recorded Volume		85th %ile Speed		Count Date	Recorded Volume		85th %ile Speed			
						Direction	Total	Direction	Total		Direction	Total				
<b>HIGHLANDS (CONTINUED)</b>																
113	7-41	Locust Lane	Prospect Avenue	Hamilton Avenue	05/01/03	N S	200 N/A	200	N S	25 N/A	25	10/28/08	N S	123	123	24
114	7-42	Logan Avenue	Fraser Street	Walnut Street	04/22/03	E W	272 169	441	E W	30 30	30	10/28/08	E W	258 151	409	31
115	7-43	Logan Avenue	Walnut Street	South Allen Street	04/22/03	E W	256 190	446	E W	29 29	29	10/28/08	E W	149 252	401	31
116	7-44	McCormick Avenue	Pugh Street	Garner Street	05/01/03	E W	276 203	479	E W	34 35	35	10/30/08	E W	221 187	408	34
117	7-45	McCormick Avenue	Garner Street	University Drive	9/9/02- 9/13/02	N S	212 192	404	N S	(1) (1)	33	10/30/08	E W	168 193	361	33
118	7-46	Nittany Avenue	Atherton Street	Burrows Street	04/24/03	E W	815 979	1794	E W	26 25	25	10/30/08	E W	1421 1156	2577	25
119	7-47	Nittany Avenue	Burrows Street	Fraser Street	04/24/03	E W	1050 868	1918	E W	26 25	26	10/30/08	E W	1371 1056	2427	24
120	7-48	Nittany Avenue	Fraser Street	South Allen Street	04/24/03	E W	904 1179	2083	E W	30 29	01/29/00	11/06/08	E W	1005 1172	2177	29
121	7-49	Nittany Avenue	South Allen Street	Pugh Street	04/24/03	E W	717 573	1290	E W	27 27	27	11/06/08	E W	840 462	1302	25
122	7-50	Nittany Avenue	Pugh Street	Locust Lane	05/01/03	E W	150 480	630	E W	23 27	26	11/06/08	E W	535 156	691	29
123	7-51	Old Boalsburg Road	South Allen Street	Easterly Parkway	05/01/03	N S	179 126	305	N S	29 29	29	09/18/08	N S	182 136	318	30
124	7-52	Prospect Avenue	Atherton Street	Burrows Street	04/29/03	E W	243 301	544	E W	34 34	34	11/06/08	E W	209 272	481	32
125	7-53	Prospect Avenue	Burrows Street	Fraser Street	04/29/03	E W	259 310	569	E W	33 32	33	11/11/08	E W	271 293	564	32
126	7-54	Prospect Avenue	Fraser Street	South Allen Street	04/29/03	E W	267 427	694	E W	30 31	31	11/11/08	E W	256 402	658	30
127	7-55	Prospect Avenue	South Allen Street	Pugh Street	04/29/03	E W	378 536	914	E W	29 29	29	11/11/08	E W	373 500	873	29
128	7-56	Prospect Avenue	Pugh Street	Garner Street	04/29/03	E W	459 738	1197	E W	25 21	23	11/11/08	E W	454 751	1205	29
129	7-57	Prospect Avenue	Garner Street	University Drive	10/7/02- 10/11/02	E W	802 1255	2057	N S	(1) (1)	28	11/13/08	E W	700 1179	1879	24
130	7-58	South Allen Street	Beaver Avenue	Atherton Street	04/22/03	N S	2836 2913	5749	N S	34 35	34	11/13/08	N S	2937 2915	5852	34

(1) The data was collected as part of a different project. Directional speed data is not available.

(2) The segment was removed from the original proposal.



**Borough-wide Traffic Count Summary Table**

Borough of State College, Centre Co., PA

Count No.	Seg. No.	STREET	FROM	TO	2000-2004 Data					2008-2011 Data				
					Count Date	Recorded Volume		85th %ile Speed		Count Date	Recorded Volume		85th %ile Speed	
						Direction	Total	Direction	Total		Direction	Total		
<b>HIGHLANDS (CONTINUED)</b>														
131	7-59	South Pugh Street	Beaver Avenue	Atherton Street	04/22/03	N 1671 S 1604	3275	N 34 S 33	34	11/13/08	N 1457 S 1397	2854	32	
132	7-60	Walnut Street	Hamilton Avenue	Irvin Avenue	04/22/03	N 74 S 88	162	N 25 S 25	25	09/18/08	N 66 S 97	163	26	
(1) The data was collected as part of a different project. Directional speed data is not available.														
133	7-61	Walnut Street	Irvin Avenue	Sunset Terrace	04/22/03	N 68 S 45	113	N 22 S 20	21	09/18/08	N 67 S 23	90	20	
134	7-62	Walnut Street	Prospect Avenue	Hamilton Avenue	04/24/03	N 41 S 51	92	N 25 S 26	26	09/18/08	N 42 S 37	79	24	
135	7-63	Waring Avenue	Pugh Street	Garner Street	05/01/03	E 81 W 125	206	E 33 W 33	33	11/13/08	E 88 W 122	210	34	
136	7-64	Waring Avenue	Garner Street	University Drive	9/9/02-9/13/02	E 102 W 126	228	E (1) W (1)	33	11/18/08	E 90 W 160	250	34	
178	7-65	South Burrowes Street	W. Prospect Avenue	W. Hamilton Avenue	4/24/03	N 45 S 56	111	N 24 S 27	26	11/20/08	N 64 S 33	97	24	
190	7-66	Prospect Avenue	Hetzel Street	Keller Street	11/06/03	E 782 W 1116	1898	E 32 W 32	32	NA	NA NA NA NA	NA	NA	
191	7-67	Foster Avenue	University Drive	Keller Street	11/06/03	E 773 W 253	1026	E 30 W 32	31	NA	NA NA NA NA	NA	NA	
195	7-68	Fraser Street	Hamilton Avenue	Crestmont Avenue	11/04/03	N 337 S 330	667	N 30 S 30	30	NA	NA NA NA NA	NA	NA	
193	7-69	Sunrise Terrace	Atherton Street	Allen Street	11/04/03	N 55 S 85	140	N 28 S 28	28	NA	NA NA NA NA	NA	NA	
194	7-70	Fraser Street	Prospect Avenue	Hamilton Avenue	11/04/03	N 345 S 300	645	N 25 S 27	01/26/00	NA	NA NA NA NA	NA	NA	
(1) Data collected as part of a different project. Two way speed data is not available.														
<b>SOUTH HIGHLANDS</b>														
137	8-1	Bradley Avenue	Pugh Street	Garner Street	03/27/03	E 127 W 95	222	E 14 W 14	14	03/24/09	E 106 W 95	201	34	
138	8-2	Center Lane	Easterly Parkway	Atherton Street	03/25/03	N 60 S 59	119	N 13 S 13	13	03/19/09	N 55 S 51	106	24	
139	8-3	Ellen Avenue	Old Boalsburg Road	Pugh Street	03/27/03	E 48 W 47	95	E 24 W 24	24	03/19/09	E 46 W 67	113	24	
140	8-4	Ellen Avenue	Pugh Street	William Street	03/27/03	E 117 W 82	199	E 30 W 31	30	03/19/09	E 94 W 61	155	29	
141	8-5	Garner Street	Easterly Parkway	Nimitz Avenue	04/10/03	N 281 S 280	561	N 33 S 35	34	03/19/09	N 244 S 299	543	35	
142	8-6	Garner Street	Nimitz Avenue	Bradley Avenue	04/10/03	N 183 S 179	362	N 14 S 14	14	03/19/09	N 149 S 158	307	32	
143	8-7	Homan Avenue	Pugh Street	Garner Street	03/27/03	E 101 W 102	203	E 14 W 15	14	03/24/09	E 81 W 89	170	33	
144	8-8	Kemmerer Road	Easterly Parkway	Legion Avenue	04/10/03	E 145 W 146	291	E 13 W 14	14	03/24/09	E 80 W 97	177	30	

**Borough-wide Traffic Count Summary Table**

Borough of State College, Centre Co., PA

Count No.	Seg. No.	STREET	FROM	TO	2000-2004 Data				2008-2011 Data				
					Count Date	Recorded Volume		85th %ile Speed		Count Date	Recorded Volume		85th %ile Speed
						Direction	Total	Direction	Total		Direction	Total	
145	8-9	Legion Avenue	Kemmerer Road	University Drive	04/10/03	E 94 W 109	203	E 32 W 33	32	03/24/09	E 67 W 71	138	30
146	8-10	Nimitz Avenue	Pugh Street	Garner Street	03/27/03	E 183 W 164	347	E 14 W 14	14	04/16/09	E 162 W 132	294	35
147	8-11	Nimitz Avenue	Garner Street	University Drive	03/27/03	E 449 W 392	841	E 14 W 13	13	03/26/09	E 373 W 351	724	33
148	8-12	Old Boalsburg Road	Easterly Parkway	Atherton Street	03/27/03	N 189 S 123	312	N 32 S 32	32	03/26/09	N 148 S 104	252	32
149	8-13	Pugh Street	Easterly Parkway	Atherton Street	04/22/03	N 1259 S 785	2044	N 38 S 39	39	03/26/09	N 1080 S 782	1862	37
150	8-14	Smithfield Street	Kemmerer Road	Nimitz Avenue	03/27/03	N 104 S 102	206	N 30 S 31	31	03/26/09	N 72 S 74	146	29
151	8-15	South Allen Street	Easterly Parkway	Atherton Street	04/22/03	N 2976 S 2863	5839	N 35 S 34	34	04/16/09	N 3077 S 2773	5850	35
152	8-16	William Street	Homan Avenue	Bradley Avenue	04/10/03	N 26 S 13	39	N 22 S 25	23	03/31/09	N 22 S 11	33	24
153	8-17	William Street	Easterly Parkway	Ellen Avenue	04/10/03	N 153 S 104	257	N 34 S 33	34	04/16/09	N 108 S 86	194	33
154	8-18	William Street	Ellen Avenue	Nimitz Avenue	04/10/03	N 102 S 97	199	N 30 S 29	29	03/31/09	N 80 S 79	159	27
155	8-19	William Street	Nimitz Avenue	Homan Avenue	04/10/03	N 53 S 40	93	N 24 S 24	24	03/31/09	N 40 S 23	63	27
<b>TUSSEYVIEW</b>													
157	9-1	East Doris Avenue	South Allen Street	Norma Street	09/09/03	E 87 W 75	162	E 25 W 26	26	03/31/09	E 89 W 81	170	29
158	9-2	East Marylyn Avenue	Norma Street	University Drive	09/09/03	E 625 W 491	1116	E 28 W 28	28	04/02/09	E 333 W 269	602	26
159	9-3	Lytile Avenue	Borough Line	South Allen Street	09/09/03	E 44 W 51	95	E 14 W 14	14	04/02/09	E 51 W 51	102	25
160	9-4	Lytile Avenue	South Allen Street	Old Boalsburg Road	09/09/03	E 45 W 54	99	E 28 W 27	28	04/02/09	E 44 W 41	85	26
161	9-5	Norma Street	East Doris Avenue	Atherton Street	09/09/03	N 252 S 207	459	N 26 S 25	26	04/02/09	N 227 S 192	419	27
162	9-6	Old Boalsbug Road	Atherton Street	Whitehall Road	09/09/03	N 90 S 72	162	N 13 S 13	13	04/16/09	N 95 S 90	185	27
163	9-7	Science Street	Atherton Street	East Marylyn Avenue	09/09/03	N 217 S 265	482	N 22 S 24	23	04/02/09	N 163 S 249	412	27

**Borough-wide Traffic Count Summary Table**

Borough of State College, Centre Co., PA

Count No.	Seg. No.	STREET	FROM	TO	2000-2004 Data				2008-2011 Data				
					Count Date	Recorded Volume		85th %ile Speed		Count Date	Recorded Volume		85th %ile Speed
						Direction	Total	Direction	Total		Direction	Total	
164	9-8	South Allen Street	Waupelani Drive	Whitehall Road	09/09/03	N 708 S 664	1372	N 14 S 14	14	04/07/09	N 594 S 561	1155	34
165	9-9	South Hills Avenue	Borough Line	South Allen Street	09/11/03	E 99 W 110	209	E 21 W 24	23	04/07/09	E 55 W 50	105	22
166	9-10	South Hills Avenue	South Allen Street	Atherton Street	09/11/03	E 206 W 342	548	E 28 W 28	28	04/07/09	E 281 W 279	560	27
167	9-11	Whitehall Road	Borough Line	South Allen Street	09/16/03	E 540 W 564	1104	E 38 W 38	38	04/07/09	E 421 W 464	885	35
168	9-12	Whitehall Road	South Allen Street	Atherton Street	09/11/03	E 350 W 431	781	E 38 W 36	37	04/09/09	E 340 W 418	758	34
196	9-13	South Allen Street	Whitehall Road	East Marylyn Avenue	11/04/03	N 379 S 378	757	N 32 S 30	31	NC	N NC S NC	0	NC
197	9-14	Fry Drive	Norma Street	Whitehall Road	11/04/03	E 172 W 187	359	E 26 W 28	27	NC	E NC W NC	0	NC
<b>PENNFIELD / NITTANY HILLS EAST</b>													
169	10-1	Bellaire Avenue	University Drive	Borough Line	09/16/03	E 789 W 793	1582	E 34 W 33	34	04/09/09	E 822 W 866	1688	33
170	10-2	Evergreen Road	University Drive	Borough Line	09/16/03	E 343 W 337	680	E 22 W 20	21	04/14/09	E 280 W 272	552	21
171	10-3	McCormick Avenue	University Drive	Borough Line	10/02/03	E 183 W 185	368	E 29 W 30	30	04/16/09	E 159 W 149	308	29
172	10-4	Nimitz Avenue	University Drive	Penfield Road	10/11/03	E 198 W 166	364	E 27 W 27	27	04/14/09	E 176 W 191	367	28
173	10-5	Penfield Road	Royal Road	Nimitz Avenue	10/11/03	N 77 S 62	139	N 29 S 29	29	04/14/09	N 50 S 43	93	28
174	10-6	Penfield Road	Nimitz Avenue	Borough Line	10/11/03	N 56 S 74	130	N 25 S 25	25	04/14/09	N 28 S 36	64	25
175	10-7	Redgate Road	Evergreen Road	McCormick Avenue	10/16/03	N 20 S 20	40	N 19 S 19	19	04/09/09	N 27 S 25	52	15
176	10-8	Stony Lane	University Drive	Penfield Road	10/11/03	E 64 W 45	109	E 27 W 27	27	04/14/09	E 49 W 38	87	27
177	10-9	Walnut Springs Lane	University Drive	Borough Line	10/16/03	E 275 W 273	548	E 32 W 33	33	04/09/09	E 391 W 424	815	33
198	10-10	Royal Road	University Drive	Penfield Road	11/06/03	E 140 W 108	248	E 23 W 21	22	NC	E NC W NC	0	NC

**Index of Traffic Counts - 2010**  
*Borough-wide Vehicle Counts*  
*Borough of State College, Centre County, Pennsylvania*

<b>Count No.</b>	<b>Seg. No.</b>	<b>STREET</b>	<b>FROM</b>	<b>TO</b>
1	3-1	<b>Amelia Avenue</b>	Grace Street	Crabapple Drive
2	3-2	<b>Barley Way</b>	Crabapple Drive	Bayberry Drive
3	3-3	<b>Bayberry Drive</b>	Blue Course Drive	Westerly Parkway
4	3-4	<b>Crabapple Drive</b>	Grace Street	Hedgerow Drive
5	3-5	<b>Grace Street</b>	Crabapple Drive	Borough Line
6	3-6	<b>Grace Street</b>	Crabapple Drive	Bayberry Drive
7	3-7	<b>O'Bryan Lane</b>	Waupelani Drive	Westerly Parkway
8	3-8	<b>Oneida Street</b>	Waupelani Drive	Westerly Parkway
9	3-9	<b>Saxton Drive</b>	Bayberry Drive	South Sparks Street
10	3-10	<b>Saxton Drive</b>	Westerly Parkway	Bayberry Drive
11	3-11	<b>South Sparks Street</b>	Saxton Drive	Westerly Parkway
12	3-12	<b>Southgate Drive</b>	Blue Course Drive	Waupelani Drive
13	3-13	<b>Stratford Court</b>	Blue Course Drive	Blue Course Drive
14	3-14	<b>Stratford Court</b>	Blue Course Drive	Waupelani Drive
15	3-15	<b>Webster Drive</b>	Bayberry Drive	Saxton Drive
16	3-16	<b>Wheatfield Drive</b>	Webster Drive	Saxton Drive
17	3-17	<b>Hedgerow Drive</b>	Westerly Parkway	Crabapple Drive
18	4-1	<b>Corl Street</b>	Borough Line	Westerly Parkway
19	4-2	<b>Dorum Avenue</b>	Corl Street	Westerly Parkway
20	4-3	<b>Metz Avenue</b>	Osmond Street	South Buckhout Street
21	4-4	<b>Nittany Avenue</b>	Patterson Street	South Sparks Street
22	4-5	<b>Nittany Avenue</b>	South Sparks Street	Atherton Street
23	4-6	<b>Osmond Street</b>	Corl Street	Borough Line
24	4-7	<b>Patterson Street</b>	Fairmount Avenue	Beaver Avenue
25	4-8	<b>Prospect Avenue</b>	South Sparks Street	Atherton Street

**Index of Traffic Counts - 2010**  
*Borough-wide Vehicle Counts*  
*Borough of State College, Centre County, Pennsylvania*

<i>Count No.</i>	<i>Seg. No.</i>	<i>STREET</i>	<i>FROM</i>	<i>TO</i>
26	4-9	<b>South Barnard Street</b>	Prospect Avenue	Fairmount Avenue
27	4-10	<b>South Barnard Street</b>	West Foster Avenue	Beaver Avenue
28	4-11	<b>South Barnard Street</b>	Fairmount Avenue	West Foster Avenue
29	4-12	<b>South Buckhout Street</b>	West Fairmount Avenue	Beaver Avenue
30	4-13	<b>South Gill Street</b>	Prospect Avenue	Fairmount Avenue
31	4-14	<b>South Gill Street</b>	Fairmount Avenue	West Foster Avenue
32	4-15	<b>South Gill Street</b>	West Foster Avenue	Beaver Avenue
33	4-16	<b>South Sparks Street</b>	Westerly Parkway	Fairmount Avenue
34	4-17	<b>South Sparks Street</b>	Fairmount Avenue	Beaver Avenue
35	4-18	<b>West Fairmount Avenue</b>	Westerly Parkway	South Buckhout Street
36	4-19	<b>West Fairmount Avenue</b>	South Buckhout Street	South Sparks Street
37	4-20	<b>West Fairmount Avenue</b>	South Sparks Street	Atherton Street
38	4-21	<b>West Foster Avenue</b>	South Buckhout Street	South Sparks Street
39	4-22	<b>West Foster Avenue</b>	South Sparks Street	Atherton Street
40	4-23	<b>West Hamilton Avenue</b>	Westerly Parkway	South Sparks Street
41	4-24	<b>Buckhout Street</b>	Beaver Avenue	Metz Avenue
42	5-1	<b>Barnard Street</b>	Beaver Avenue	West College Avenue
43	5-2	<b>Gill Street</b>	Beaver Avenue	West College Avenue
44	5-3	<b>Patterson Street</b>	Beaver Avenue	West College Avenue
45	5-4	<b>Sparks Street</b>	Beaver Avenue	West College Avenue

# Greentrees

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-01

Amelia Avenue  
 Between Grace Street and Crabapple Drive

EB, WB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
3/16/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	22-31	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
05:00	3	2	2	0	0	0	0	0	0	0	0	0	0	0	7	13-22	4
06:00	3	2	3	4	0	0	0	0	0	0	0	0	0	0	12	19-28	8
07:00	4	5	5	4	0	0	0	0	0	0	0	0	0	0	18	12-21	10
08:00	5	3	7	7	2	0	0	0	0	0	0	0	0	0	24	18-27	14
09:00	1	2	3	5	1	0	0	0	0	0	0	0	0	0	12	22-31	9
10:00	3	0	2	3	1	0	0	0	0	0	0	0	0	0	9	22-31	6
11:00	0	2	1	7	1	0	0	0	0	0	0	0	0	0	11	22-31	9
12 PM	1	0	2	4	0	0	0	0	0	0	0	0	0	0	7	20-29	6
13:00	5	1	4	5	1	0	0	0	0	0	0	0	0	0	16	22-31	10
14:00	3	5	4	6	2	0	0	0	0	0	0	0	0	0	20	22-31	11
15:00	3	2	8	8	0	1	0	0	0	0	0	0	0	0	22	19-28	16
16:00	1	6	3	3	1	0	0	0	0	0	0	0	0	0	14	15-24	9
17:00	0	4	4	4	0	0	0	0	0	0	0	0	0	0	12	17-26	9
18:00	0	2	5	4	0	0	0	0	0	0	0	0	0	0	11	19-28	10
19:00	1	2	4	2	2	0	0	0	0	0	0	0	0	0	11	15-24	7
20:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4	17-26	4
21:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7-16	1
22:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
<b>Total</b>	<b>34</b>	<b>39</b>	<b>61</b>	<b>68</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>215</b>		
Percent	15.8%	18.1%	28.4%	31.6%	5.6%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	07:00	08:00	08:00	08:00											08:00	
Vol.	5	5	7	7	2											24	
PM Peak	13:00	16:00	15:00	15:00	14:00	15:00										15:00	
Vol.	5	6	8	8	2	1										22	
<b>Total</b>	<b>34</b>	<b>39</b>	<b>61</b>	<b>68</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>215</b>		
Percent	15.8%	18.1%	28.4%	31.6%	5.6%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 15 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 31 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 129  
 Percent in Pace : 60.0%  
 Number of Vehicles > 25 MPH : 81  
 Percent of Vehicles > 25 MPH : 37.7%  
 Mean Speed(Average) : 22 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-01

Amelia Avenue  
 Between Grace Street and Crabapple Drive

Start Time	16-Mar-10 Tue	EB	WB	Total
12:00 AM		0	0	0
01:00		0	1	1
02:00		0	0	0
03:00		0	0	0
04:00		0	1	1
05:00		2	5	7
06:00		2	<b>10</b>	12
07:00		10	8	18
08:00		<b>17</b>	7	<b>24</b>
09:00		11	1	12
10:00		2	7	9
11:00		6	5	11
12:00 PM		4	3	7
01:00		6	10	16
02:00		3	<b>17</b>	20
03:00		<b>11</b>	11	<b>22</b>
04:00		5	9	14
05:00		9	3	12
06:00		4	7	11
07:00		6	5	11
08:00		1	3	4
09:00		1	0	1
10:00		2	0	2
11:00		0	0	0
<b>Total</b>		102	113	215
<b>Percent</b>		47.4%	52.6%	
AM Peak		08:00	06:00	08:00
Vol.		17	10	24
PM Peak		15:00	14:00	15:00
Vol.		11	17	22
<b>Grand Total</b>		102	113	215
<b>Percent</b>		47.4%	52.6%	
<b>ADT</b>		<b>ADT 215</b>		<b>AADT 215</b>



# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-02

Barley Way  
 Between Crabapple Dr. and Bayberry Dr.

WB, EB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
3/16/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	2
05:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7-16	2
06:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	17-26	4
07:00	2	4	2	0	0	0	0	0	0	0	0	0	0	0	8	13-22	8
08:00	3	0	1	0	0	0	0	0	0	0	0	0	0	0	4	*	3
09:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	12-21	3
10:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	9-18	3
11:00	1	2	1	0	1	0	0	0	0	0	0	0	0	0	5	12-21	4
12 PM	1	0	1	1	1	0	0	0	0	0	0	0	0	0	4	22-31	3
13:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	*	1
14:00	1	1	0	3	0	0	0	0	0	0	0	0	0	0	5	19-28	3
15:00	1	2	4	0	0	0	0	0	0	0	0	0	0	0	7	15-24	7
16:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4	17-26	4
17:00	1	1	3	3	0	0	0	0	0	0	0	0	0	0	8	19-28	7
18:00	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	15-24	4
19:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
20:00	0	2	1	1	0	0	0	0	0	0	0	0	0	0	4	16-25	3
21:00	0	0	3	1	1	0	0	0	0	0	0	0	0	0	5	21-30	4
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
<b>Total</b>	<b>16</b>	<b>18</b>	<b>26</b>	<b>13</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76</b>		
<b>Percent</b>	<b>21.1%</b>	<b>23.7%</b>	<b>34.2%</b>	<b>17.1%</b>	<b>3.9%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	08:00	07:00	06:00	02:00	11:00												07:00
Vol.	3	4	2	1	1												8
PM Peak	12:00	15:00	15:00	14:00	12:00												17:00
Vol.	1	2	4	3	1												8
<b>Total</b>	<b>16</b>	<b>18</b>	<b>26</b>	<b>13</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76</b>		
<b>Percent</b>	<b>21.1%</b>	<b>23.7%</b>	<b>34.2%</b>	<b>17.1%</b>	<b>3.9%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 11 MPH  
 50th Percentile : 21 MPH  
 85th Percentile : 27 MPH  
 95th Percentile : 30 MPH

Stats  
 10 MPH Pace Speed : 16-25 MPH  
 Number in Pace : 44  
 Percent in Pace : 57.9%  
 Number of Vehicles > 25 MPH : 16  
 Percent of Vehicles > 25 MPH : 21.1%  
 Mean Speed(Average) : 20 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
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Site Code: 3-02

Barley Way  
 Between Crabapple Dr. and Bayberry Dr.

Start Time	16-Mar-10 Tue	WB	EB	Total
12:00 AM		0	0	0
01:00		0	0	0
02:00		1	0	1
03:00		0	0	0
04:00		0	2	2
05:00		1	1	2
06:00		1	3	4
07:00		5	3	8
08:00		1	3	4
09:00		3	0	3
10:00		1	2	3
11:00		4	1	5
12:00 PM		2	2	4
01:00		2	0	2
02:00		3	2	5
03:00		4	3	7
04:00		2	2	4
05:00		4	4	8
06:00		2	2	4
07:00		1	0	1
08:00		2	2	4
09:00		5	0	5
10:00		0	0	0
11:00		0	0	0
<b>Total</b>		44	32	76
<b>Percent</b>		57.9%	42.1%	
AM Peak		07:00	06:00	07:00
Vol.		5	3	8
PM Peak		21:00	17:00	17:00
Vol.		5	4	8
<b>Grand Total</b>		44	32	76
<b>Percent</b>		57.9%	42.1%	
<b>ADT</b>		<b>ADT 76</b>		<b>AADT 76</b>

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
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Speed Report

Site Code: 3-03

Bayberry Drive  
 Btw Blue Course Dr. and Westeryl Parkway

SB, NB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
3/16/10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
01:00	0	0	0	2	1	1	0	0	0	0	0	0	0	0	4	26-35	3
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
03:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	2	1	1	0	3	0	0	0	0	0	0	0	0	0	7	24-33	3
06:00	1	1	6	<b>18</b>	19	4	0	0	0	0	0	0	0	0	49	26-35	37
07:00	<b>9</b>	<b>4</b>	9	16	<b>21</b>	6	0	0	0	0	0	0	0	0	<b>65</b>	26-35	37
08:00	3	3	<b>12</b>	13	15	2	<b>2</b>	0	0	0	0	0	0	0	50	24-33	28
09:00	2	1	5	4	4	<b>7</b>	0	0	0	0	0	0	0	0	23	28-37	11
10:00	0	0	7	8	2	3	0	0	0	0	0	0	0	0	20	21-30	15
11:00	0	1	8	5	7	6	1	0	0	0	0	0	0	0	28	20-29	13
12 PM	2	2	1	14	12	2	<b>1</b>	0	0	0	0	0	0	0	34	26-35	26
13:00	4	<b>3</b>	3	12	9	5	1	<b>1</b>	0	0	0	0	0	0	38	25-34	21
14:00	3	1	6	10	10	5	0	0	0	0	0	0	0	0	35	25-34	20
15:00	3	2	6	10	<b>15</b>	4	0	0	0	0	0	0	0	0	40	26-35	25
16:00	<b>6</b>	1	<b>10</b>	<b>21</b>	12	5	0	0	0	0	0	0	0	0	<b>55</b>	23-32	33
17:00	5	0	7	17	15	<b>6</b>	0	0	0	0	0	0	0	0	50	26-35	32
18:00	2	3	8	8	12	3	1	0	0	0	0	0	0	0	37	23-32	20
19:00	3	1	9	11	4	2	0	0	0	0	0	0	0	0	30	21-30	20
20:00	1	0	4	9	5	0	0	0	0	0	0	0	0	0	19	22-31	14
21:00	0	1	1	1	10	0	0	0	0	0	0	0	0	0	13	26-35	11
22:00	0	2	0	2	0	0	0	0	0	0	0	0	0	0	4	8-17	2
23:00	1	1	0	0	1	0	0	0	0	0	0	0	0	0	3	7-16	2
<b>Total</b>	<b>49</b>	<b>28</b>	<b>103</b>	<b>183</b>	<b>177</b>	<b>61</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>608</b>		
<b>Percent</b>	<b>8.1%</b>	<b>4.6%</b>	<b>16.9%</b>	<b>30.1%</b>	<b>29.1%</b>	<b>10.0%</b>	<b>1.0%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	07:00	07:00	08:00	06:00	07:00	09:00	08:00										07:00
Vol.	9	4	12	18	21	7	2										65
PM Peak	16:00	13:00	16:00	16:00	15:00	17:00	12:00	13:00									16:00
Vol.	6	3	10	21	15	6	1	1									55
<b>Total</b>	<b>49</b>	<b>28</b>	<b>103</b>	<b>183</b>	<b>177</b>	<b>61</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>608</b>		
<b>Percent</b>	<b>8.1%</b>	<b>4.6%</b>	<b>16.9%</b>	<b>30.1%</b>	<b>29.1%</b>	<b>10.0%</b>	<b>1.0%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 21 MPH  
 50th Percentile : 29 MPH  
 85th Percentile : 35 MPH  
 95th Percentile : 39 MPH

Stats  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 360  
 Percent in Pace : 59.2%  
 Number of Vehicles > 25 MPH : 428  
 Percent of Vehicles > 25 MPH : 70.4%  
 Mean Speed(Average) : 28 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

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Site Code: 3-03

Bayberry Drive  
 Btw Blue Course Dr. and Westerly Parkway

Start Time	16-Mar-10 Tue	SB	NB	Total
12:00 AM		1	0	1
01:00		3	1	4
02:00		0	1	1
03:00		0	2	2
04:00		0	0	0
05:00		3	4	7
06:00		1	<b>48</b>	49
07:00		22	43	<b>65</b>
08:00		<b>23</b>	27	50
09:00		9	14	23
10:00		8	12	20
11:00		10	18	28
12:00 PM		16	18	34
01:00		12	<b>26</b>	38
02:00		18	17	35
03:00		22	18	40
04:00		<b>34</b>	21	<b>55</b>
05:00		31	19	50
06:00		21	16	37
07:00		23	7	30
08:00		10	9	19
09:00		6	7	13
10:00		2	2	4
11:00		3	0	3
Total		278	330	608
Percent		45.7%	54.3%	
AM Peak		08:00	06:00	07:00
Vol.		23	48	65
PM Peak		16:00	13:00	16:00
Vol.		34	26	55
Grand Total		278	330	608
Percent		45.7%	54.3%	
ADT		ADT 609	AADT 609	

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Speed Report

Site Code: 3-04

Crabapple Drive  
 Between Grace Street and Hedgerow Drive

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
3/16/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
05:00	2	0	0	1	0	0	0	0	0	0	0	0	0	0	3	*	2
06:00	2	0	3	3	6	0	1	0	0	0	0	0	0	0	15	23-32	9
07:00	7	1	2	12	9	2	0	0	0	0	0	0	0	0	33	25-34	21
08:00	14	2	8	10	7	3	1	0	0	0	0	0	0	0	45	23-32	20
09:00	10	3	6	4	1	1	0	0	0	0	0	0	0	0	25	18-27	11
10:00	8	0	4	6	2	1	0	0	0	0	0	0	0	0	21	22-31	11
11:00	17	2	4	6	10	0	2	0	0	0	0	0	0	0	41	26-35	16
12 PM	8	1	3	1	2	3	0	0	0	0	0	0	0	0	18	*	8
13:00	13	1	4	6	6	1	0	0	0	0	0	0	0	0	31	22-31	12
14:00	8	3	4	11	15	3	1	0	0	0	1	0	0	0	46	26-35	26
15:00	5	1	5	8	5	1	1	0	0	0	0	0	0	0	26	20-29	13
16:00	11	0	4	4	3	2	0	0	0	0	0	0	0	0	24	1-10	10
17:00	11	6	9	11	8	0	0	0	0	0	0	0	0	0	45	22-31	21
18:00	1	4	3	7	2	1	0	0	0	0	0	0	0	0	18	23-32	12
19:00	2	0	2	7	4	2	0	0	0	0	0	0	0	0	17	24-33	12
20:00	0	1	1	3	1	0	0	0	0	0	0	0	0	0	6	19-28	5
21:00	0	1	1	1	2	0	0	0	0	0	0	0	0	0	5	23-32	4
22:00	1	0	0	0	4	1	0	0	0	0	0	0	0	0	6	27-36	5
23:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	22-31	2
<b>Total</b>	<b>121</b>	<b>26</b>	<b>63</b>	<b>102</b>	<b>88</b>	<b>21</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>428</b>		
<b>Percent</b>	<b>28.3%</b>	<b>6.1%</b>	<b>14.7%</b>	<b>23.8%</b>	<b>20.6%</b>	<b>4.9%</b>	<b>1.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
<b>AM Peak</b>	<b>11:00</b>	<b>09:00</b>	<b>08:00</b>	<b>07:00</b>	<b>11:00</b>	<b>08:00</b>	<b>11:00</b>								<b>08:00</b>		
<b>Vol.</b>	<b>17</b>	<b>3</b>	<b>8</b>	<b>12</b>	<b>10</b>	<b>3</b>	<b>2</b>								<b>45</b>		
<b>PM Peak</b>	<b>13:00</b>	<b>17:00</b>	<b>17:00</b>	<b>14:00</b>	<b>14:00</b>	<b>12:00</b>	<b>14:00</b>				<b>14:00</b>				<b>14:00</b>		
<b>Vol.</b>	<b>13</b>	<b>6</b>	<b>9</b>	<b>11</b>	<b>15</b>	<b>3</b>	<b>1</b>				<b>1</b>				<b>46</b>		
<b>Total</b>	<b>121</b>	<b>26</b>	<b>63</b>	<b>102</b>	<b>88</b>	<b>21</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>428</b>		
<b>Percent</b>	<b>28.3%</b>	<b>6.1%</b>	<b>14.7%</b>	<b>23.8%</b>	<b>20.6%</b>	<b>4.9%</b>	<b>1.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 8 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 37 MPH

Stats  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 190  
 Percent in Pace : 44.4%  
 Number of Vehicles > 25 MPH : 218  
 Percent of Vehicles > 25 MPH : 50.9%  
 Mean Speed(Average) : 23 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
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Site Code: 3-04

Crabapple Drive  
 Between Grace Street and Hedgerow Drive

Start Time	16-Mar-10 Tue	NB	SB	Total
12:00 AM		0	0	0
01:00		0	0	0
02:00		0	0	0
03:00		0	0	0
04:00		0	1	1
05:00		1	2	3
06:00		6	9	15
07:00		20	13	33
08:00		<b>33</b>	12	<b>45</b>
09:00		24	1	25
10:00		11	10	21
11:00		24	<b>17</b>	41
12:00 PM		5	13	18
01:00		17	14	31
02:00		12	<b>34</b>	<b>46</b>
03:00		14	12	26
04:00		17	7	24
05:00		<b>24</b>	21	45
06:00		8	10	18
07:00		6	11	17
08:00		3	3	6
09:00		3	2	5
10:00		3	3	6
11:00		2	0	2
<b>Total</b>		233	195	428
<b>Percent</b>		54.4%	45.6%	
AM Peak		08:00	11:00	08:00
Vol.		33	17	45
PM Peak		17:00	14:00	14:00
Vol.		24	34	46
<b>Grand Total</b>		233	195	428
<b>Percent</b>		54.4%	45.6%	
<b>ADT</b>		ADT 428		AADT 428

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-05

Grace Street  
 Btw Crabapple Drive and Borough Line

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
3/18/10	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2	*	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	2
06:00	0	1	0	2	1	2	0	0	0	0	0	0	0	0	6	26-35	3
07:00	3	0	5	7	2	1	0	0	0	0	0	0	0	0	18	21-30	12
08:00	1	1	1	1	3	0	0	0	0	0	0	0	0	0	7	24-33	5
09:00	0	0	3	4	3	0	0	0	0	0	0	0	0	0	10	23-32	9
10:00	2	0	4	3	1	1	0	0	0	0	0	0	0	0	11	19-28	7
11:00	0	2	1	3	2	1	0	0	0	0	0	0	0	0	9	23-32	6
12 PM	3	0	7	6	4	0	0	0	0	0	0	0	0	0	20	21-30	13
13:00	2	1	2	3	3	1	0	0	0	0	0	0	0	0	12	24-33	8
14:00	0	3	3	2	2	0	0	0	0	0	0	0	0	0	10	14-23	6
15:00	1	1	2	9	3	0	0	0	0	0	0	0	0	0	16	24-33	14
16:00	0	2	8	7	4	0	0	0	0	0	0	0	0	0	21	19-28	15
17:00	2	2	7	6	2	0	0	0	0	0	0	0	0	0	19	19-28	13
18:00	2	4	2	5	1	0	0	0	0	0	0	0	0	0	14	22-31	8
19:00	1	2	4	6	2	0	0	0	0	0	0	0	0	0	15	22-31	11
20:00	0	1	5	4	2	0	0	0	0	0	0	0	0	0	12	20-29	10
21:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
22:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	2
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
<b>Total</b>	<b>24</b>	<b>20</b>	<b>56</b>	<b>68</b>	<b>36</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>210</b>		
<b>Percent</b>	<b>11.4%</b>	<b>9.5%</b>	<b>26.7%</b>	<b>32.4%</b>	<b>17.1%</b>	<b>2.9%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	07:00	11:00	07:00	07:00	08:00	06:00									07:00		
Vol.	3	2	5	7	3	2									18		
PM Peak	12:00	18:00	16:00	15:00	12:00	13:00									16:00		
Vol.	3	4	8	9	4	1									21		
<b>Total</b>	<b>24</b>	<b>20</b>	<b>56</b>	<b>68</b>	<b>36</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>210</b>		
<b>Percent</b>	<b>11.4%</b>	<b>9.5%</b>	<b>26.7%</b>	<b>32.4%</b>	<b>17.1%</b>	<b>2.9%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 17 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 35 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 124  
 Percent in Pace : 59.0%  
 Number of Vehicles > 25 MPH : 110  
 Percent of Vehicles > 25 MPH : 52.4%  
 Mean Speed(Average) : 24 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-05

Grace Street  
 Btw Crabapple Drive and Borough Line

Start Time	18-Mar-10 Thu	NB	SB	Total
12:00 AM		2	0	2
01:00		0	0	0
02:00		1	1	2
03:00		0	0	0
04:00		0	0	0
05:00		1	1	2
06:00		0	6	6
07:00		3	15	18
08:00		1	6	7
09:00		2	8	10
10:00		5	6	11
11:00		5	4	9
12:00 PM		10	10	20
01:00		4	8	12
02:00		3	7	10
03:00		6	10	16
04:00		13	8	21
05:00		14	5	19
06:00		4	10	14
07:00		12	3	15
08:00		8	4	12
09:00		1	0	1
10:00		2	0	2
11:00		1	0	1
<b>Total</b>		98	112	210
<b>Percent</b>		46.7%	53.3%	
<b>AM Peak</b>		10:00	07:00	07:00
Vol.		5	15	18
<b>PM Peak</b>		17:00	12:00	16:00
Vol.		14	10	21
<b>Grand Total</b>		98	112	210
<b>Percent</b>		46.7%	53.3%	
<b>ADT</b>		ADT 210		AADT 210



# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-06

Grace Street  
 Btw Crabapple Drive and Bayberry Drive

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
3/18/10	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7-16	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
05:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	18-27	2
06:00	0	0	2	4	1	0	0	0	0	0	0	0	0	0	7	22-31	7
07:00	1	4	7	10	2	0	0	0	0	0	0	0	0	0	24	21-30	17
08:00	1	1	9	7	1	0	0	0	0	0	0	0	0	0	19	20-29	16
09:00	1	1	9	4	2	0	0	0	0	0	0	0	0	0	17	20-29	14
10:00	1	2	9	7	1	0	0	0	0	0	0	0	0	0	20	19-28	16
11:00	1	3	11	6	0	0	0	0	0	0	0	0	0	0	21	18-27	17
12 PM	6	5	16	12	2	0	0	0	0	0	0	0	0	0	41	21-30	28
13:00	2	5	8	8	3	0	0	0	0	0	0	0	0	0	26	19-28	16
14:00	4	7	10	5	1	0	0	0	0	0	0	0	0	0	27	16-25	17
15:00	3	3	11	17	1	0	0	0	0	0	0	0	0	0	35	21-30	28
16:00	3	7	16	15	2	0	0	0	0	0	0	0	0	0	43	21-30	31
17:00	2	6	16	9	3	0	0	0	0	0	0	0	0	0	36	20-29	26
18:00	4	7	13	8	1	0	0	0	0	0	0	0	0	0	33	19-28	23
19:00	2	4	5	5	0	0	0	0	0	0	0	0	0	0	16	17-26	10
20:00	1	2	12	6	1	0	0	0	0	0	0	0	0	0	22	19-28	18
21:00	1	3	4	1	1	0	0	0	0	0	0	0	0	0	10	15-24	8
22:00	0	1	3	4	1	0	0	0	0	0	0	0	0	0	9	20-29	8
23:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	22-31	1
<b>Total</b>	<b>34</b>	<b>62</b>	<b>163</b>	<b>132</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>415</b>		
<b>Percent</b>	<b>8.2%</b>	<b>14.9%</b>	<b>39.3%</b>	<b>31.8%</b>	<b>5.8%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	02:00	07:00	11:00	07:00	07:00										07:00		
Vol.	1	4	11	10	2										24		
PM Peak	12:00	14:00	12:00	15:00	13:00										16:00		
Vol.	6	7	16	17	3										43		
<b>Total</b>	<b>34</b>	<b>62</b>	<b>163</b>	<b>132</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>415</b>		
<b>Percent</b>	<b>8.2%</b>	<b>14.9%</b>	<b>39.3%</b>	<b>31.8%</b>	<b>5.8%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 18 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 31 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 295  
 Percent in Pace : 71.1%  
 Number of Vehicles > 25 MPH : 156  
 Percent of Vehicles > 25 MPH : 37.6%  
 Mean Speed(Average) : 23 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-06

Grace Street  
 Btw Crabapple Drive and Bayberry Drive

Start Time	18-Mar-10 Thu	NB	SB	Total
12:00 AM		2	0	2
01:00		0	0	0
02:00		1	1	2
03:00		0	0	0
04:00		0	2	2
05:00		0	2	2
06:00		0	7	7
07:00		7	<b>17</b>	<b>24</b>
08:00		2	17	19
09:00		3	14	17
10:00		9	11	20
11:00		<b>10</b>	11	21
12:00 PM		23	18	41
01:00		11	15	26
02:00		13	14	27
03:00		17	18	35
04:00		<b>24</b>	<b>19</b>	<b>43</b>
05:00		21	15	36
06:00		15	18	33
07:00		11	5	16
08:00		15	7	22
09:00		6	4	10
10:00		6	3	9
11:00		1	0	1
Total		197	218	415
Percent		47.5%	52.5%	
AM Peak		11:00	07:00	07:00
Vol.		10	17	24
PM Peak		16:00	16:00	16:00
Vol.		24	19	43
Grand Total		197	218	415
Percent		47.5%	52.5%	
ADT		ADT 415		AADT 415

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-07

O'Bryan Lane  
 Btw Waupelani Dr. and Westerly Parkway

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/15/10	0	5	21	27	6	1	0	0	0	0	0	0	0	0	60	21-30	48
01:00	0	1	17	12	6	<b>3</b>	0	0	0	0	0	0	0	0	39	21-30	29
02:00	0	1	12	9	4	0	0	0	0	0	0	0	0	0	26	20-29	21
03:00	0	2	3	5	1	0	0	0	0	0	0	0	0	0	11	22-31	9
04:00	0	1	5	2	2	0	0	0	0	0	0	0	0	0	10	20-29	7
05:00	1	4	5	8	4	1	0	0	0	0	0	0	0	0	23	19-28	13
06:00	7	7	12	19	7	1	0	0	0	0	0	0	0	0	53	21-30	31
07:00	23	<b>53</b>	75	45	12	1	0	0	0	0	0	0	0	0	209	16-25	128
08:00	<b>45</b>	31	75	69	19	1	0	0	0	0	0	0	0	0	240	21-30	144
09:00	5	20	72	67	<b>21</b>	1	0	0	0	0	0	0	0	0	186	21-30	139
10:00	14	26	70	<b>70</b>	17	1	0	0	0	0	0	0	0	0	198	21-30	140
11:00	9	49	<b>113</b>	69	21	0	0	0	0	0	0	0	0	0	<b>261</b>	21-30	182
12 PM	11	41	114	78	22	0	0	0	0	0	0	0	0	0	266	21-30	192
13:00	15	34	113	77	17	2	1	0	0	0	0	0	0	0	259	21-30	190
14:00	10	48	91	65	18	3	<b>2</b>	0	0	0	0	0	0	0	237	21-30	156
15:00	<b>74</b>	<b>82</b>	107	83	11	1	0	0	0	0	0	0	0	0	358	19-28	192
16:00	15	37	139	100	29	<b>5</b>	1	0	0	0	0	0	0	0	326	21-30	239
17:00	15	36	<b>163</b>	<b>117</b>	<b>31</b>	3	1	0	0	0	0	0	0	0	<b>366</b>	21-30	280
18:00	16	60	141	86	23	1	1	0	0	0	0	0	0	0	328	21-30	227
19:00	10	51	105	67	19	2	0	0	0	0	0	0	0	0	254	21-30	172
20:00	8	29	138	75	10	3	0	0	0	0	0	0	0	0	263	21-30	213
21:00	4	29	83	73	13	3	0	0	0	0	0	0	0	0	205	21-30	156
22:00	6	28	77	49	10	1	1	0	0	0	0	0	0	0	172	21-30	126
23:00	1	11	39	38	12	2	0	0	0	0	0	0	0	0	103	21-30	77
<b>Total</b>	<b>289</b>	<b>686</b>	<b>1790</b>	<b>1310</b>	<b>335</b>	<b>36</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4453</b>		
Percent	6.5%	15.4%	40.2%	29.4%	7.5%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	07:00	11:00	10:00	09:00	01:00										11:00	
Vol.	45	53	113	70	21	3										261	
PM Peak	15:00	15:00	17:00	17:00	17:00	16:00	14:00									17:00	
Vol.	74	82	163	117	31	5	2									366	
<b>Total</b>	<b>289</b>	<b>686</b>	<b>1790</b>	<b>1310</b>	<b>335</b>	<b>36</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4453</b>		
Percent	6.5%	15.4%	40.2%	29.4%	7.5%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 18 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 33 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 3100  
 Percent in Pace : 69.6%  
 Number of Vehicles > 25 MPH : 1688  
 Percent of Vehicles > 25 MPH : 37.9%  
 Mean Speed(Average) : 24 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-07

O'Bryan Lane  
 Btw Waupelani Dr. and Westerly Parkway

Start Time	15-Apr-10 Thu	NB	SB	Total
12:00 AM		18	42	60
01:00		12	27	39
02:00		7	19	26
03:00		3	8	11
04:00		6	4	10
05:00		10	13	23
06:00		36	17	53
07:00		141	68	209
08:00		<b>143</b>	97	240
09:00		103	83	186
10:00		109	89	198
11:00		133	<b>128</b>	<b>261</b>
12:00 PM		130	136	266
01:00		124	135	259
02:00		104	133	237
03:00		136	222	358
04:00		133	193	326
05:00		<b>140</b>	<b>226</b>	<b>366</b>
06:00		135	193	328
07:00		101	153	254
08:00		97	166	263
09:00		70	135	205
10:00		47	125	172
11:00		33	70	103
Total		1971	2482	4453
Percent		44.3%	55.7%	
AM Peak		08:00	11:00	11:00
Vol.		143	128	261
PM Peak		17:00	17:00	17:00
Vol.		140	226	366
Grand Total		1971	2482	4453
Percent		44.3%	55.7%	
ADT		ADT 4,453	AADT 4,453	

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-08

Oneida Street  
 Btw Waupelani Dr. and Westerly Parkway

SB, NB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
3/18/10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	2	0	0	1	0	0	0	0	0	0	0	0	0	3	8-17	2
03:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3	13-22	2
04:00	1	0	1	2	0	0	0	0	0	0	0	0	0	0	4	18-27	3
05:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
06:00	3	1	0	1	0	0	0	0	0	0	0	0	0	0	5	*	3
07:00	<b>4</b>	<b>4</b>	<b>6</b>	1	1	0	0	0	0	0	0	0	0	0	<b>16</b>	12-21	10
08:00	3	1	1	0	<b>2</b>	0	0	0	0	0	0	0	0	0	7	*	3
09:00	0	0	4	<b>4</b>	1	0	0	0	0	0	0	0	0	0	9	22-31	9
10:00	0	3	4	2	1	<b>1</b>	0	0	0	0	0	0	0	0	11	18-27	9
11:00	1	3	4	3	1	0	0	0	0	0	0	0	0	0	12	18-27	9
12 PM	2	1	7	7	0	0	0	0	0	0	0	0	0	0	17	20-29	14
13:00	3	1	2	4	1	0	0	0	0	0	0	0	0	0	11	20-29	7
14:00	2	1	3	4	2	0	0	0	0	0	0	0	0	0	12	23-32	9
15:00	1	1	<b>10</b>	9	<b>9</b>	0	<b>1</b>	0	0	0	0	0	0	0	<b>31</b>	21-30	19
16:00	<b>5</b>	1	6	8	1	0	0	0	0	0	0	0	0	0	21	20-29	14
17:00	2	<b>4</b>	2	<b>10</b>	2	<b>1</b>	0	<b>1</b>	0	0	0	0	0	0	22	23-32	14
18:00	1	0	1	8	3	0	0	0	0	0	0	0	0	0	13	24-33	12
19:00	0	3	8	0	0	0	0	0	0	0	0	0	0	0	11	16-25	11
20:00	2	1	2	3	2	1	0	0	0	0	0	0	0	0	11	23-32	7
21:00	0	1	4	1	0	0	0	0	0	0	0	0	0	0	6	17-26	6
22:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3	17-26	3
23:00	1	1	1	0	1	0	0	0	0	0	0	0	0	0	4	12-21	3
<b>Total</b>	<b>35</b>	<b>29</b>	<b>70</b>	<b>68</b>	<b>28</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>235</b>		
<b>Percent</b>	<b>14.9%</b>	<b>12.3%</b>	<b>29.8%</b>	<b>28.9%</b>	<b>11.9%</b>	<b>1.3%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	07:00	07:00	07:00	09:00	08:00	10:00									07:00		
Vol.	4	4	6	4	2	1									16		
PM Peak	16:00	17:00	15:00	17:00	15:00	17:00	15:00	17:00							15:00		
Vol.	5	4	10	10	9	1	1	1							31		
<b>Total</b>	<b>35</b>	<b>29</b>	<b>70</b>	<b>68</b>	<b>28</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>235</b>		
<b>Percent</b>	<b>14.9%</b>	<b>12.3%</b>	<b>29.8%</b>	<b>28.9%</b>	<b>11.9%</b>	<b>1.3%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 15 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 138  
 Percent in Pace : 58.7%  
 Number of Vehicles > 25 MPH : 101  
 Percent of Vehicles > 25 MPH : 43.0%  
 Mean Speed(Average) : 23 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-08

Oneida Street  
 Btw Waupelani Dr. and Westerly Parkway

Start Time	18-Mar-10 Thu	SB	NB	Total
12:00 AM		1	1	2
01:00		0	0	0
02:00		2	1	3
03:00		2	1	3
04:00		1	3	4
05:00		1	0	1
06:00		1	4	5
07:00		<b>12</b>	4	<b>16</b>
08:00		3	4	7
09:00		6	3	9
10:00		6	5	11
11:00		5	<b>7</b>	12
12:00 PM		6	11	17
01:00		5	6	11
02:00		5	7	12
03:00		<b>21</b>	10	<b>31</b>
04:00		8	<b>13</b>	21
05:00		13	9	22
06:00		10	3	13
07:00		6	5	11
08:00		5	6	11
09:00		4	2	6
10:00		3	0	3
11:00		2	2	4
<b>Total</b>		128	107	235
<b>Percent</b>		54.5%	45.5%	
AM Peak		07:00	11:00	07:00
Vol.		12	7	16
PM Peak		15:00	16:00	15:00
Vol.		21	13	31
<b>Grand Total</b>		128	107	235
<b>Percent</b>		54.5%	45.5%	
<b>ADT</b>		ADT 235		AADT 235

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-09

Saxton Drive  
 Btw Bayberry Drive and S. Sparks Street

SB, NB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
3/23/10	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
01:00	0	1	0	0	2	1	0	0	0	0	0	0	0	0	4	27-36	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7-16	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	4	*	2
06:00	0	1	4	2	2	0	0	0	0	0	0	0	0	0	9	20-29	6
07:00	<b>7</b>	<b>1</b>	<b>12</b>	<b>19</b>	<b>10</b>	<b>2</b>	0	0	0	0	0	0	0	0	<b>51</b>	21-30	<b>31</b>
08:00	7	7	11	9	7	0	0	0	0	0	0	0	0	0	41	19-28	21
09:00	5	3	11	5	0	0	0	0	0	0	0	0	0	0	24	18-27	16
10:00	4	0	5	4	0	0	0	0	0	0	0	0	0	0	13	20-29	9
11:00	1	4	5	9	5	1	0	0	0	0	0	0	0	0	25	20-29	14
12 PM	5	2	7	5	5	<b>2</b>	0	0	0	0	0	0	0	0	26	19-28	12
13:00	0	2	5	6	3	0	0	0	0	0	0	0	0	0	16	19-28	11
14:00	5	5	8	5	1	1	0	0	0	0	0	0	0	0	25	14-23	13
15:00	<b>6</b>	<b>6</b>	<b>13</b>	13	8	2	0	0	0	0	0	0	0	0	<b>48</b>	20-29	26
16:00	1	0	6	14	6	0	0	0	0	0	0	0	0	0	27	22-31	21
17:00	1	0	5	<b>16</b>	<b>11</b>	0	0	0	0	0	0	0	0	0	33	26-35	27
18:00	1	1	3	10	6	0	0	0	0	0	0	0	0	0	21	23-32	16
19:00	1	0	4	10	4	1	0	0	0	0	0	0	0	0	20	22-31	15
20:00	2	0	2	6	2	1	<b>1</b>	0	0	0	0	0	0	0	14	23-32	10
21:00	1	0	1	3	1	0	0	0	0	0	0	0	0	0	6	22-31	5
22:00	3	0	1	2	1	1	0	0	0	0	0	0	0	0	8	*	3
23:00	1	0	2	1	0	0	0	0	0	0	0	0	0	0	4	17-26	3
<b>Total</b>	<b>53</b>	<b>34</b>	<b>108</b>	<b>139</b>	<b>74</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>421</b>		
Percent	12.6%	8.1%	25.7%	33.0%	17.6%	2.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	08:00	07:00	07:00	07:00	07:00									07:00		
Vol.	7	7	12	19	10	2									51		
PM Peak	15:00	15:00	15:00	17:00	17:00	12:00	20:00								15:00		
Vol.	6	6	13	16	11	2	1								48		
<b>Total</b>	<b>53</b>	<b>34</b>	<b>108</b>	<b>139</b>	<b>74</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>421</b>		
Percent	12.6%	8.1%	25.7%	33.0%	17.6%	2.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 17 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 35 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 247  
 Percent in Pace : 58.7%  
 Number of Vehicles > 25 MPH : 226  
 Percent of Vehicles > 25 MPH : 53.7%  
 Mean Speed(Average) : 25 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-09

Saxton Drive  
 Btw Bayberry Drive and S. Sparks Street

Start Time	23-Mar-10 Tue	SB	NB	Total
12:00 AM		0	1	1
01:00		4	0	4
02:00		0	0	0
03:00		0	1	1
04:00		0	0	0
05:00		1	3	4
06:00		2	7	9
07:00		<b>13</b>	<b>38</b>	<b>51</b>
08:00		13	28	41
09:00		12	12	24
10:00		8	5	13
11:00		13	12	25
12:00 PM		14	12	26
01:00		9	7	16
02:00		12	13	25
03:00		<b>23</b>	<b>25</b>	<b>48</b>
04:00		16	11	27
05:00		20	13	33
06:00		17	4	21
07:00		10	10	20
08:00		11	3	14
09:00		3	3	6
10:00		5	3	8
11:00		3	1	4
Total		209	212	421
Percent		49.6%	50.4%	
AM Peak		07:00	07:00	07:00
Vol.		13	38	51
PM Peak		15:00	15:00	15:00
Vol.		23	25	48
Grand Total		209	212	421
Percent		49.6%	50.4%	
ADT		ADT 421	ADT 421	AADT 421



# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
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 www.sse-llc.com

Speed Report

Site Code: 3-10

Saxton Drive  
 Btw Westerly Parkway and Bayberry Dr.

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
3/23/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
01:00	0	0	1	1	1	1	0	0	0	0	0	0	0	0	4	27-36	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	12-21	2
04:00	1	3	0	0	1	0	0	0	0	0	0	0	0	0	5	9-18	4
05:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	13-22	2
06:00	0	4	5	4	3	1	0	0	0	0	0	0	0	0	17	17-26	10
07:00	<b>11</b>	<b>35</b>	<b>37</b>	7	4	0	0	0	0	0	0	0	0	0	<b>94</b>	16-25	72
08:00	3	11	22	16	<b>11</b>	1	0	0	0	0	0	0	0	0	64	20-29	38
09:00	1	3	21	15	3	0	0	0	0	0	0	0	0	0	43	21-30	36
10:00	4	4	15	11	3	0	0	0	0	0	0	0	0	0	37	21-30	26
11:00	1	8	12	<b>22</b>	6	1	0	0	0	0	0	0	0	0	50	21-30	34
12 PM	0	7	9	19	10	0	0	0	0	0	0	0	0	0	45	22-31	29
13:00	0	4	15	12	3	<b>3</b>	0	0	0	0	0	0	0	0	37	21-30	27
14:00	1	<b>15</b>	20	6	7	0	0	0	0	0	0	0	0	0	49	16-25	35
15:00	<b>3</b>	5	<b>32</b>	<b>28</b>	9	1	0	0	0	0	0	0	0	0	<b>78</b>	21-30	60
16:00	0	3	19	25	8	2	0	0	0	0	0	0	0	0	57	21-30	44
17:00	3	6	29	23	<b>14</b>	0	0	0	0	0	0	0	0	0	75	21-30	52
18:00	1	4	14	21	5	1	0	0	0	0	0	0	0	0	46	21-30	35
19:00	1	5	12	15	6	0	0	0	0	0	0	0	0	0	39	21-30	27
20:00	0	1	7	17	4	1	0	0	0	0	0	0	0	0	30	21-30	24
21:00	0	2	8	6	1	0	0	0	0	0	0	0	0	0	17	19-28	14
22:00	1	1	3	5	2	0	0	0	0	0	0	0	0	0	12	23-32	10
23:00	0	0	3	5	0	0	0	0	0	0	0	0	0	0	8	21-30	8
<b>Total</b>	<b>31</b>	<b>122</b>	<b>287</b>	<b>258</b>	<b>101</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>811</b>		
<b>Percent</b>	<b>3.8%</b>	<b>15.0%</b>	<b>35.4%</b>	<b>31.8%</b>	<b>12.5%</b>	<b>1.5%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	07:00	07:00	07:00	11:00	08:00	01:00											07:00
Vol.	11	35	37	22	11	1											94
PM Peak	15:00	14:00	15:00	15:00	17:00	13:00											15:00
Vol.	3	15	32	28	14	3											78
<b>Total</b>	<b>31</b>	<b>122</b>	<b>287</b>	<b>258</b>	<b>101</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>811</b>		
<b>Percent</b>	<b>3.8%</b>	<b>15.0%</b>	<b>35.4%</b>	<b>31.8%</b>	<b>12.5%</b>	<b>1.5%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 19 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 545  
 Percent in Pace : 67.2%  
 Number of Vehicles > 25 MPH : 371  
 Percent of Vehicles > 25 MPH : 45.7%  
 Mean Speed(Average) : 25 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-10

Saxton Drive  
 Btw Westerly Parkway and Bayberry Dr.

Start Time	23-Mar-10 Tue	NB	SB	Total
12:00 AM		0	0	0
01:00		1	3	4
02:00		0	0	0
03:00		1	1	2
04:00		3	2	5
05:00		2	0	2
06:00		14	3	17
07:00		<b>61</b>	<b>33</b>	<b>94</b>
08:00		43	21	64
09:00		27	16	43
10:00		27	10	37
11:00		26	24	50
12:00 PM		27	18	45
01:00		19	18	37
02:00		23	26	49
03:00		<b>43</b>	35	<b>78</b>
04:00		24	33	57
05:00		31	<b>44</b>	75
06:00		18	28	46
07:00		19	20	39
08:00		10	20	30
09:00		4	13	17
10:00		8	4	12
11:00		2	6	8
Total		433	378	811
Percent		53.4%	46.6%	
AM Peak		07:00	07:00	07:00
Vol.		61	33	94
PM Peak		15:00	17:00	15:00
Vol.		43	44	78
Grand Total		433	378	811
Percent		53.4%	46.6%	
ADT		ADT 811		AADT 811

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
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 www.sse-llc.com

Speed Report

Site Code: 3-11

South Sparks Street  
 Btw Saxton Dr. and Westerly Parkway

EB, WB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
3/23/10	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	17-26	1
01:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	12-21	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	2	0	0	0	1	0	0	0	0	0	0	0	0	0	3	*	2
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
05:00	3	0	0	1	1	0	0	0	0	0	0	0	0	0	5	*	3
06:00	11	0	1	0	1	1	0	0	0	0	0	0	0	0	14	1-10	10
07:00	<b>64</b>	<b>1</b>	<b>6</b>	<b>10</b>	<b>5</b>	<b>3</b>	<b>1</b>	0	0	0	0	0	0	0	<b>90</b>	1-10	44
08:00	32	<b>4</b>	6	9	4	2	0	0	0	0	0	0	0	0	57	1-10	22
09:00	21	0	3	2	2	1	0	0	0	0	0	0	0	0	29	1-10	16
10:00	14	3	5	1	0	0	0	0	0	0	0	0	0	0	23	1-10	10
11:00	21	1	2	2	0	0	0	0	0	0	0	0	0	0	26	1-10	16
12 PM	22	2	3	0	0	0	0	<b>1</b>	0	0	0	0	0	0	28	1-10	17
13:00	15	0	2	2	2	<b>3</b>	0	0	0	0	0	0	0	0	24	1-10	10
14:00	33	2	1	<b>5</b>	2	0	0	0	0	0	0	0	0	0	43	1-10	23
15:00	36	2	<b>7</b>	5	<b>6</b>	3	<b>1</b>	0	0	0	0	0	0	0	<b>60</b>	1-10	26
16:00	30	<b>3</b>	2	2	2	1	0	0	0	0	0	0	0	0	40	1-10	20
17:00	<b>43</b>	2	4	4	3	1	0	0	0	0	0	0	0	0	57	1-10	30
18:00	42	2	2	4	1	0	0	0	0	0	0	0	0	0	51	1-10	30
19:00	26	0	1	0	0	0	0	0	0	0	0	0	0	0	27	1-10	20
20:00	20	1	1	1	0	0	0	0	0	0	0	0	0	0	23	1-10	15
21:00	13	0	0	0	1	0	0	0	0	0	0	0	0	0	14	1-10	10
22:00	5	1	1	0	0	0	0	0	0	0	0	0	0	0	7	*	5
23:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	3
<b>Total</b>	<b>456</b>	<b>24</b>	<b>49</b>	<b>49</b>	<b>32</b>	<b>16</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>629</b>		
<b>Percent</b>	<b>72.5%</b>	<b>3.8%</b>	<b>7.8%</b>	<b>7.8%</b>	<b>5.1%</b>	<b>2.5%</b>	<b>0.3%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	07:00	08:00	07:00	07:00	07:00	07:00	07:00								07:00		
Vol.	64	4	6	10	5	3	1								90		
PM Peak	17:00	16:00	15:00	14:00	15:00	13:00	15:00	12:00							15:00		
Vol.	43	3	7	5	6	3	1	1							60		
<b>Total</b>	<b>456</b>	<b>24</b>	<b>49</b>	<b>49</b>	<b>32</b>	<b>16</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>629</b>		
<b>Percent</b>	<b>72.5%</b>	<b>3.8%</b>	<b>7.8%</b>	<b>7.8%</b>	<b>5.1%</b>	<b>2.5%</b>	<b>0.3%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 4 MPH  
 50th Percentile : 11 MPH  
 85th Percentile : 26 MPH  
 95th Percentile : 33 MPH

Stats  
 10 MPH Pace Speed : 1-10 MPH  
 Number in Pace : 306  
 Percent in Pace : 48.6%  
 Number of Vehicles > 25 MPH : 100  
 Percent of Vehicles > 25 MPH : 15.9%  
 Mean Speed(Average) : 13 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-11

South Sparks Street  
 Btw Saxton Dr. and Westerly Parkway

Start Time	23-Mar-10 Tue	EB	WB	Total
12:00 AM		1	1	2
01:00		1	1	2
02:00		0	0	0
03:00		2	1	3
04:00		1	0	1
05:00		3	2	5
06:00		7	7	14
07:00		<b>57</b>	<b>33</b>	<b>90</b>
08:00		33	24	57
09:00		15	14	29
10:00		8	15	23
11:00		9	17	26
12:00 PM		12	16	28
01:00		12	12	24
02:00		16	27	43
03:00		<b>32</b>	28	<b>60</b>
04:00		12	28	40
05:00		21	<b>36</b>	57
06:00		20	31	51
07:00		10	17	27
08:00		8	15	23
09:00		6	8	14
10:00		1	6	7
11:00		1	2	3
<b>Total</b>		288	341	629
<b>Percent</b>		45.8%	54.2%	
AM Peak		07:00	07:00	07:00
Vol.		57	33	90
PM Peak		15:00	17:00	15:00
Vol.		32	36	60
<b>Grand Total</b>		288	341	629
<b>Percent</b>		45.8%	54.2%	
<b>ADT</b>		<b>ADT 629</b>		<b>AADT 629</b>

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-12

Southgate Drive  
 Btw Blue Course Dr. and Waupelani Dr.

WB, EB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
3/23/10	1	6	6	9	5	4	0	0	0	0	0	0	0	0	31	20-29	16
01:00	0	0	4	3	7	2	0	0	0	0	0	0	0	0	16	28-37	12
02:00	0	0	1	5	6	2	0	0	0	0	0	0	0	0	14	25-34	11
03:00	0	0	0	1	1	0	1	0	0	0	0	0	0	0	3	22-31	2
04:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	23-32	3
05:00	0	0	3	5	4	1	0	0	0	0	0	0	0	0	13	23-32	10
06:00	2	3	4	8	7	1	0	0	0	0	0	0	0	0	25	23-32	15
07:00	<b>14</b>	11	19	27	22	3	<b>2</b>	0	0	0	0	0	0	0	98	23-32	49
08:00	4	<b>26</b>	<b>30</b>	37	<b>34</b>	3	0	0	0	0	0	0	0	0	<b>134</b>	25-34	71
09:00	2	17	12	<b>41</b>	14	1	0	0	0	0	0	0	0	0	87	24-33	56
10:00	11	12	13	24	23	2	0	0	0	0	0	0	0	0	85	26-35	47
11:00	4	10	16	21	22	2	1	0	0	0	0	0	0	0	76	25-34	43
12 PM	4	<b>15</b>	21	40	28	1	1	0	0	0	0	0	0	0	110	25-34	68
13:00	0	12	12	37	22	1	0	0	0	0	0	0	0	0	84	26-35	59
14:00	<b>8</b>	8	19	30	32	<b>10</b>	0	0	0	0	0	0	0	0	107	26-35	62
15:00	4	15	29	45	38	8	2	0	0	0	0	0	0	0	141	26-35	83
16:00	1	12	22	37	22	6	0	0	0	0	0	0	0	0	100	23-32	61
17:00	4	13	<b>31</b>	<b>63</b>	<b>49</b>	4	<b>3</b>	0	0	0	0	0	0	0	<b>167</b>	26-35	112
18:00	7	14	31	37	30	5	0	0	0	0	0	0	0	0	124	21-30	68
19:00	2	12	28	35	19	2	0	0	0	0	0	0	0	0	98	21-30	63
20:00	1	15	14	35	14	4	1	0	0	0	0	0	0	0	84	22-31	50
21:00	5	8	31	32	16	5	0	0	0	0	0	0	0	0	97	21-30	63
22:00	0	5	10	14	8	2	0	0	0	0	0	0	0	0	39	21-30	24
23:00	0	5	5	19	9	0	0	0	0	0	0	0	0	0	38	25-34	28
<b>Total</b>	<b>74</b>	<b>219</b>	<b>361</b>	<b>606</b>	<b>434</b>	<b>69</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1774</b>		
Percent	4.2%	12.3%	20.3%	34.2%	24.5%	3.9%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	08:00	08:00	09:00	08:00	00:00	07:00								08:00		
Vol.	14	26	30	41	34	4	2								134		
PM Peak	14:00	12:00	17:00	17:00	17:00	14:00	17:00								17:00		
Vol.	8	15	31	63	49	10	3								167		
<b>Total</b>	<b>74</b>	<b>219</b>	<b>361</b>	<b>606</b>	<b>434</b>	<b>69</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1774</b>		
Percent	4.2%	12.3%	20.3%	34.2%	24.5%	3.9%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 20 MPH  
 50th Percentile : 27 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 35 MPH

Stats  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 1040  
 Percent in Pace : 58.6%  
 Number of Vehicles > 25 MPH : 1120  
 Percent of Vehicles > 25 MPH : 63.1%  
 Mean Speed(Average) : 27 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-12

Southgate Drive  
 Btw Blue Course Dr. and Waupelani Dr.

Start Time	23-Mar-10 Tue	WB	EB	Total
12:00 AM		16	15	31
01:00		6	10	16
02:00		9	5	14
03:00		2	1	3
04:00		2	1	3
05:00		5	8	13
06:00		10	15	25
07:00		32	66	98
08:00		<b>46</b>	<b>88</b>	<b>134</b>
09:00		37	50	87
10:00		43	42	85
11:00		40	36	76
12:00 PM		55	55	110
01:00		39	45	84
02:00		46	61	107
03:00		88	53	141
04:00		64	36	100
05:00		<b>98</b>	<b>69</b>	<b>167</b>
06:00		66	58	124
07:00		54	44	98
08:00		47	37	84
09:00		56	41	97
10:00		20	19	39
11:00		18	20	38
Total		899	875	1774
Percent		50.7%	49.3%	
AM Peak		08:00	08:00	08:00
Vol.		46	88	134
PM Peak		17:00	17:00	17:00
Vol.		98	69	167
Grand Total		899	875	1774
Percent		50.7%	49.3%	
ADT		ADT 1,774	ADT 1,774	

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-13

Stratford Court  
 Btw Blue Course Dr. and Blue Course Dr.

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
3/25/10	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	8-17	2
01:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	12-21	3
02:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	12-21	3
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7-16	1
06:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
07:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3	13-22	2
08:00	2	4	1	0	0	0	0	0	0	0	0	0	0	0	7	12-21	7
09:00	5	2	0	0	0	0	0	0	0	0	0	0	0	0	7	*	5
10:00	3	6	1	0	0	0	0	0	0	0	0	0	0	0	10	12-21	10
11:00	9	2	2	0	0	0	0	0	0	0	0	0	0	0	13	*	9
12 PM	8	4	2	0	0	0	0	0	0	0	0	0	0	0	14	*	8
13:00	2	7	1	0	0	0	0	0	0	0	0	0	0	0	10	12-21	10
14:00	5	6	0	0	0	0	0	0	0	0	0	0	0	0	11	11-20	11
15:00	3	3	2	0	0	0	0	0	0	0	0	0	0	0	8	13-22	8
16:00	3	6	1	1	0	0	0	0	0	0	0	0	0	0	11	11-20	9
17:00	4	1	1	1	0	0	0	0	0	0	0	0	0	0	7	*	4
18:00	7	3	3	0	0	0	0	0	0	0	0	0	0	0	13	*	7
19:00	1	5	0	0	0	0	0	0	0	0	0	0	0	0	6	11-20	6
20:00	5	1	1	0	0	0	0	0	0	0	0	0	0	0	7	*	5
21:00	4	4	2	0	0	0	0	0	0	0	0	0	0	0	10	12-21	9
22:00	3	5	0	0	0	0	0	0	0	0	0	0	0	0	8	11-20	8
23:00	4	2	0	0	0	0	0	0	0	0	0	0	0	0	6	*	4
<b>Total</b>	<b>73</b>	<b>66</b>	<b>21</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>162</b>		
Percent	45.1%	40.7%	13.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	10:00	07:00												11:00		
Vol.	9	6	2												13		
PM Peak	12:00	13:00	18:00	16:00											12:00		
Vol.	8	7	3	1											14		
<b>Total</b>	<b>73</b>	<b>66</b>	<b>21</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>162</b>		
Percent	45.1%	40.7%	13.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 5 MPH  
 50th Percentile : 16 MPH  
 85th Percentile : 20 MPH  
 95th Percentile : 24 MPH

Stats  
 10 MPH Pace Speed : 11-20 MPH  
 Number in Pace : 89  
 Percent in Pace : 54.9%  
 Number of Vehicles > 25 MPH : 2  
 Percent of Vehicles > 25 MPH : 1.2%  
 Mean Speed(Average) : 14 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-13

Stratford Court  
 Btw Blue Course Dr. and Blue Course Dr.

Start Time	25-Mar-10 Thu	NB	SB	Total
12:00 AM		1	1	2
01:00		3	0	3
02:00		2	1	3
03:00		0	0	0
04:00		1	0	1
05:00		0	1	1
06:00		1	0	1
07:00		2	1	3
08:00		4	3	7
09:00		3	4	7
10:00		<b>7</b>	3	10
11:00		7	<b>6</b>	<b>13</b>
12:00 PM		6	<b>8</b>	<b>14</b>
01:00		5	5	10
02:00		6	5	11
03:00		3	5	8
04:00		3	8	11
05:00		4	3	7
06:00		6	7	13
07:00		4	2	6
08:00		5	2	7
09:00		<b>7</b>	3	10
10:00		4	4	8
11:00		4	2	6
<b>Total</b>		88	74	162
<b>Percent</b>		54.3%	45.7%	
AM Peak		10:00	11:00	11:00
Vol.		7	6	13
PM Peak		21:00	12:00	12:00
Vol.		7	8	14
<b>Grand Total</b>		88	74	162
<b>Percent</b>		54.3%	45.7%	
<b>ADT</b>		ADT 162		AADT 162



# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-14

Stratford Drive  
 Btw Blue Course Dr. and Waupelani Dr.

WB, EB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
3/25/10	0	1	3	3	0	1	0	0	0	0	0	0	0	0	8	19-28	7
01:00	0	0	0	1	5	0	0	0	0	0	0	0	0	0	6	26-35	6
02:00	0	0	1	1	3	1	0	0	0	0	0	0	0	0	6	24-33	5
03:00	0	0	1	0	1	0	1	0	0	0	0	0	0	0	3	12-21	1
04:00	0	0	0	2	2	0	0	0	0	0	0	0	0	0	4	23-32	4
05:00	0	0	1	4	4	6	1	0	0	0	0	0	0	0	16	32-41	11
06:00	1	4	4	7	7	3	2	0	0	0	0	0	0	0	28	23-32	14
07:00	1	6	8	27	75	23	7	2	0	0	0	0	0	0	149	26-35	102
08:00	6	9	21	47	65	26	7	0	0	0	0	0	0	0	181	26-35	112
09:00	1	8	5	22	41	16	8	1	0	0	0	0	0	0	102	26-35	63
10:00	1	4	7	21	39	16	5	0	0	0	0	0	0	0	93	26-35	60
11:00	1	2	5	16	31	23	16	2	0	0	0	0	0	0	96	30-39	54
12 PM	3	3	9	12	31	35	6	0	0	0	0	0	0	0	99	31-40	66
13:00	1	3	11	30	35	21	2	1	0	0	0	0	0	0	104	26-35	65
14:00	2	7	7	21	32	20	11	0	0	0	0	0	0	0	100	26-35	53
15:00	3	3	8	31	52	31	9	1	1	0	0	0	0	0	139	27-36	84
16:00	4	3	15	34	50	35	1	3	0	1	0	0	0	0	146	27-36	85
17:00	5	4	9	47	90	64	13	1	0	0	0	0	0	0	233	31-40	154
18:00	0	5	11	22	59	35	11	0	0	0	0	0	0	0	143	31-40	94
19:00	1	2	8	32	35	16	4	0	0	0	0	0	0	0	98	26-35	67
20:00	1	3	14	37	20	8	1	0	0	0	0	0	0	0	84	26-35	57
21:00	0	3	9	24	25	11	2	0	0	0	0	0	0	0	74	26-35	49
22:00	1	3	7	9	11	8	3	0	0	0	0	0	0	0	42	27-36	21
23:00	0	3	3	2	5	3	1	0	0	0	0	0	0	0	17	29-38	10
<b>Total</b>	<b>32</b>	<b>76</b>	<b>167</b>	<b>452</b>	<b>718</b>	<b>402</b>	<b>111</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1971</b>		
Percent	1.6%	3.9%	8.5%	22.9%	36.4%	20.4%	5.6%	0.6%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	08:00	08:00	07:00	08:00	11:00	07:00								08:00	
Vol.	6	9	21	47	75	26	16	2								181	
PM Peak	17:00	14:00	16:00	17:00	17:00	17:00	17:00	16:00	15:00	16:00						17:00	
Vol.	5	7	15	47	90	64	13	3	1	1						233	
<b>Total</b>	<b>32</b>	<b>76</b>	<b>167</b>	<b>452</b>	<b>718</b>	<b>402</b>	<b>111</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1971</b>		
Percent	1.6%	3.9%	8.5%	22.9%	36.4%	20.4%	5.6%	0.6%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
 50th Percentile : 32 MPH  
 85th Percentile : 38 MPH  
 95th Percentile : 42 MPH

Stats  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 1170  
 Percent in Pace : 59.4%  
 Number of Vehicles > 25 MPH : 1696  
 Percent of Vehicles > 25 MPH : 86.0%  
 Mean Speed(Average) : 32 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
State College, PA 16801  
Tel. 814-689-1562  
www.sse-llc.com

Site Code: 3-14

Stratford Drive  
Btw Blue Course Dr. and Waupelani Dr.

Start Time	25-Mar-10 Thu	WB	EB	Total
12:00 AM		6	2	8
01:00		4	2	6
02:00		4	2	6
03:00		2	1	3
04:00		2	2	4
05:00		2	14	16
06:00		12	16	28
07:00		35	114	149
08:00		<b>56</b>	<b>125</b>	<b>181</b>
09:00		41	61	102
10:00		38	55	93
11:00		41	55	96
12:00 PM		44	55	99
01:00		45	59	104
02:00		51	49	100
03:00		69	70	139
04:00		71	75	146
05:00		<b>102</b>	<b>131</b>	<b>233</b>
06:00		64	79	143
07:00		50	48	98
08:00		46	38	84
09:00		47	27	74
10:00		25	17	42
11:00		11	6	17
Total		868	1103	1971
Percent		44.0%	56.0%	
AM Peak		08:00	08:00	08:00
Vol.		56	125	181
PM Peak		17:00	17:00	17:00
Vol.		102	131	233
Grand Total		868	1103	1971
Percent		44.0%	56.0%	
ADT		ADT 1,971	ADT 1,971	

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-15

Webster Drive  
 Btw Bayberry Dr. and Saxton Dr.

WB, EB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
3/25/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3	8-17	2
05:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7-16	2
06:00	2	0	0	1	0	0	0	0	0	0	0	0	0	0	3	*	2
07:00	2	0	4	2	0	1	1	0	0	0	0	0	0	0	10	18-27	6
08:00	6	1	1	0	1	0	0	0	0	0	0	0	0	0	9	*	6
09:00	0	2	4	2	0	0	0	0	0	0	0	0	0	0	8	18-27	8
10:00	2	1	1	5	1	0	0	0	0	0	0	0	0	0	10	22-31	7
11:00	1	1	4	1	3	0	0	0	0	0	0	0	0	0	10	15-24	6
12 PM	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4	24-33	4
13:00	1	1	3	4	2	0	0	0	0	0	0	0	0	0	11	23-32	9
14:00	1	1	0	2	2	0	1	0	0	0	0	0	0	0	7	23-32	4
15:00	3	4	7	0	0	0	1	0	0	0	0	0	0	0	15	13-22	11
16:00	7	2	2	1	2	0	0	0	0	0	0	0	0	0	14	*	7
17:00	3	2	2	2	0	1	0	0	0	0	0	0	0	0	10	18-27	6
18:00	4	0	1	3	1	1	0	0	0	0	0	0	0	0	10	*	4
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
20:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
21:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
22:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
<b>Total</b>	<b>33</b>	<b>18</b>	<b>33</b>	<b>26</b>	<b>15</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>131</b>		
<b>Percent</b>	<b>25.2%</b>	<b>13.7%</b>	<b>25.2%</b>	<b>19.8%</b>	<b>11.5%</b>	<b>2.3%</b>	<b>2.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	08:00	04:00	07:00	10:00	11:00	07:00	07:00									07:00	
Vol.	6	2	4	5	3	1	1									10	
PM Peak	16:00	15:00	15:00	13:00	12:00	17:00	14:00									15:00	
Vol.	7	4	7	4	3	1	1									15	
<b>Total</b>	<b>33</b>	<b>18</b>	<b>33</b>	<b>26</b>	<b>15</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>131</b>		
<b>Percent</b>	<b>25.2%</b>	<b>13.7%</b>	<b>25.2%</b>	<b>19.8%</b>	<b>11.5%</b>	<b>2.3%</b>	<b>2.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 9 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 35 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 59  
 Percent in Pace : 45.0%  
 Number of Vehicles > 25 MPH : 47  
 Percent of Vehicles > 25 MPH : 35.9%  
 Mean Speed(Average) : 21 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-15

Webster Drive  
 Btw Bayberry Dr. and Saxton Dr.

Start Time	25-Mar-10 Thu	WB	EB	Total
12:00 AM		0	0	0
01:00		0	0	0
02:00		0	0	0
03:00		0	0	0
04:00		0	3	3
05:00		1	1	2
06:00		2	1	3
07:00		2	<b>8</b>	<b>10</b>
08:00		3	6	9
09:00		3	5	8
10:00		<b>4</b>	6	10
11:00		4	6	10
12:00 PM		1	3	4
01:00		5	6	11
02:00		4	3	7
03:00		<b>9</b>	6	<b>15</b>
04:00		2	<b>12</b>	14
05:00		4	6	10
06:00		7	3	10
07:00		0	0	0
08:00		1	0	1
09:00		1	0	1
10:00		0	2	2
11:00		1	0	1
<b>Total</b>		54	77	131
<b>Percent</b>		41.2%	58.8%	
AM Peak		10:00	07:00	07:00
Vol.		4	8	10
PM Peak		15:00	16:00	15:00
Vol.		9	12	15
<b>Grand Total</b>		54	77	131
<b>Percent</b>		41.2%	58.8%	
<b>ADT</b>		ADT 131		AADT 131

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-16

Wheatfield Drive  
 Btw Webster Dr. and Saxton Dr.

EB, WB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
3/25/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7-16	2
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
07:00	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7	13-22	7
08:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5	17-26	5
09:00	1	3	2	0	1	0	0	0	0	0	0	0	0	0	7	13-22	6
10:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
11:00	1	0	3	2	0	0	0	0	0	0	0	0	0	0	6	18-27	5
12 PM	2	3	1	1	0	0	0	0	0	0	0	0	0	0	7	9-18	5
13:00	3	2	2	5	0	0	0	0	0	0	0	0	0	0	12	19-28	7
14:00	0	2	3	2	1	0	0	0	0	0	0	0	0	0	8	18-27	7
15:00	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4	13-22	4
16:00	0	5	0	2	0	0	0	0	0	0	0	0	0	0	7	11-20	5
17:00	3	0	2	1	1	0	0	0	0	0	0	0	0	0	7	*	3
18:00	1	3	3	1	0	0	0	0	0	0	0	0	0	0	8	14-23	7
19:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3	13-22	3
20:00	0	4	3	0	0	0	0	0	0	0	0	0	0	0	7	14-23	7
21:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	*	1
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
<b>Total</b>	<b>15</b>	<b>31</b>	<b>29</b>	<b>16</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>94</b>		
<b>Percent</b>	<b>16.0%</b>	<b>33.0%</b>	<b>30.9%</b>	<b>17.0%</b>	<b>3.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	05:00	07:00	08:00	11:00	09:00												07:00
Vol.	1	5	3	2	1												7
PM Peak	13:00	16:00	14:00	13:00	14:00												13:00
Vol.	3	5	3	5	1												12
<b>Total</b>	<b>15</b>	<b>31</b>	<b>29</b>	<b>16</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>94</b>		
<b>Percent</b>	<b>16.0%</b>	<b>33.0%</b>	<b>30.9%</b>	<b>17.0%</b>	<b>3.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 14 MPH  
 50th Percentile : 21 MPH  
 85th Percentile : 27 MPH  
 95th Percentile : 30 MPH

Stats  
 10 MPH Pace Speed : 16-25 MPH  
 Number in Pace : 60  
 Percent in Pace : 63.8%  
 Number of Vehicles > 25 MPH : 19  
 Percent of Vehicles > 25 MPH : 20.2%  
 Mean Speed(Average) : 20 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-16

Wheatfield Drive  
 Btw Webster Dr. and Saxton Dr.

Start Time	25-Mar-10 Thu	EB	WB	Total
12:00 AM		0	0	0
01:00		0	0	0
02:00		0	0	0
03:00		0	0	0
04:00		0	0	0
05:00		1	1	2
06:00		0	0	0
07:00		<b>4</b>	<b>3</b>	<b>7</b>
08:00		3	2	5
09:00		4	3	7
10:00		0	1	1
11:00		3	3	6
12:00 PM		3	4	7
01:00		<b>4</b>	<b>8</b>	<b>12</b>
02:00		4	4	8
03:00		3	1	4
04:00		4	3	7
05:00		3	4	7
06:00		2	6	8
07:00		1	2	3
08:00		3	4	7
09:00		1	1	2
10:00		0	0	0
11:00		0	1	1
<b>Total</b>		<b>43</b>	<b>51</b>	<b>94</b>
<b>Percent</b>		<b>45.7%</b>	<b>54.3%</b>	
AM Peak		07:00	07:00	07:00
Vol.		4	3	7
PM Peak		13:00	13:00	13:00
Vol.		4	8	12
<b>Grand Total</b>		<b>43</b>	<b>51</b>	<b>94</b>
<b>Percent</b>		<b>45.7%</b>	<b>54.3%</b>	
<b>ADT</b>		<b>ADT 94</b>		<b>AADT 94</b>

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 3-17

Hedgerow Drive  
 Btw Westerly Parkway and Crabapple Drive

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
3/30/10	0	1	0	3	0	2	0	0	0	0	0	0	0	0	6	19-28	3
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	22-31	1
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
05:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3	8-17	3
06:00	2	3	5	4	2	0	0	0	0	0	0	0	0	0	16	18-27	10
07:00	8	9	34	19	4	0	0	0	0	0	0	0	0	0	74	21-30	53
08:00	3	20	39	19	5	0	0	0	0	0	0	0	0	0	86	16-25	59
09:00	10	10	26	11	5	0	0	0	0	0	0	0	0	0	62	17-26	37
10:00	5	13	9	10	2	0	0	0	0	0	0	0	0	0	39	16-25	22
11:00	3	10	21	21	4	1	0	0	0	0	0	0	0	0	60	21-30	42
12 PM	3	12	27	21	3	5	0	0	0	0	0	0	0	0	71	21-30	48
13:00	5	10	18	5	2	0	0	0	0	0	0	0	0	0	40	16-25	28
14:00	2	10	41	17	6	0	0	0	0	0	0	0	0	0	76	21-30	58
15:00	4	8	41	15	9	0	0	0	0	0	0	0	0	0	77	21-30	56
16:00	3	12	24	15	5	0	0	0	0	0	0	0	0	0	59	19-28	39
17:00	12	15	45	21	13	0	0	0	0	0	0	0	0	0	106	21-30	66
18:00	5	13	31	17	5	1	0	0	0	0	0	0	0	0	72	18-27	48
19:00	4	8	18	12	4	0	0	0	0	0	0	0	0	0	46	18-27	30
20:00	0	7	19	6	6	1	0	0	0	0	0	0	0	0	39	16-25	26
21:00	0	2	12	4	0	0	0	0	0	0	0	0	0	0	18	19-28	17
22:00	0	1	4	8	0	1	0	0	0	0	0	0	0	0	14	20-29	12
23:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
<b>Total</b>	<b>70</b>	<b>166</b>	<b>416</b>	<b>230</b>	<b>76</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>969</b>		
<b>Percent</b>	<b>7.2%</b>	<b>17.1%</b>	<b>42.9%</b>	<b>23.7%</b>	<b>7.8%</b>	<b>1.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	09:00	08:00	08:00	11:00	08:00	00:00										08:00	
Vol.	10	20	39	21	5	2										86	
PM Peak	17:00	17:00	17:00	12:00	17:00	12:00										17:00	
Vol.	12	15	45	21	13	5										106	
<b>Total</b>	<b>70</b>	<b>166</b>	<b>416</b>	<b>230</b>	<b>76</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>969</b>		
<b>Percent</b>	<b>7.2%</b>	<b>17.1%</b>	<b>42.9%</b>	<b>23.7%</b>	<b>7.8%</b>	<b>1.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 18 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 33 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 646  
 Percent in Pace : 66.7%  
 Number of Vehicles > 25 MPH : 317  
 Percent of Vehicles > 25 MPH : 32.7%  
 Mean Speed(Average) : 23 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 3-17

Hedgerow Drive  
 Btw Westerly Parkway and Crabapple Drive

Start Time	30-Mar-10 Tue	NB	SB	Total
12:00 AM		1	5	6
01:00		0	1	1
02:00		0	0	0
03:00		0	1	1
04:00		0	1	1
05:00		3	0	3
06:00		12	4	16
07:00		55	19	74
08:00		<b>63</b>	23	<b>86</b>
09:00		41	21	62
10:00		23	16	39
11:00		34	<b>26</b>	60
12:00 PM		31	40	71
01:00		20	20	40
02:00		<b>42</b>	34	76
03:00		25	52	77
04:00		20	39	59
05:00		36	<b>70</b>	<b>106</b>
06:00		37	35	72
07:00		21	25	46
08:00		11	28	39
09:00		3	15	18
10:00		8	6	14
11:00		0	2	2
<b>Total</b>		486	483	969
<b>Percent</b>		50.2%	49.8%	
AM Peak		08:00	11:00	08:00
Vol.		63	26	86
PM Peak		14:00	17:00	17:00
Vol.		42	70	106
<b>Grand Total</b>		486	483	969
<b>Percent</b>		50.2%	49.8%	
<b>ADT</b>		ADT 969		AADT 969



# Holmes Foster

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-01

Corl Street  
 Btw Borough Line and Westerly Parkway

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
3/30/10	0	1	6	1	1	0	0	0	0	0	0	0	0	0	9	16-25	7
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
02:00	2	1	0	3	0	0	0	0	0	0	0	0	0	0	6	19-28	3
03:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	19-28	3
04:00	2	1	0	1	0	0	0	0	0	0	0	0	0	0	4	*	2
05:00	1	0	3	2	0	0	0	0	0	0	0	0	0	0	6	18-27	5
06:00	0	1	9	9	3	0	0	0	0	0	0	0	0	0	22	20-29	18
07:00	8	17	47	40	5	0	0	0	0	0	0	0	0	0	117	21-30	87
08:00	11	28	72	40	7	0	0	0	0	0	0	0	0	0	158	21-30	112
09:00	4	14	26	25	10	0	0	0	0	0	0	0	0	0	79	21-30	51
10:00	10	14	26	19	4	1	0	0	0	0	0	0	0	0	74	20-29	45
11:00	8	12	28	20	3	0	0	0	0	0	0	0	0	0	71	21-30	48
12 PM	11	8	27	25	7	0	0	0	0	0	0	0	0	0	78	21-30	52
13:00	3	10	18	17	5	2	0	0	0	0	0	0	0	0	55	21-30	35
14:00	9	32	71	26	5	0	0	0	0	0	0	0	0	0	143	16-25	103
15:00	5	17	41	43	11	0	0	0	0	0	0	0	0	0	117	21-30	84
16:00	13	12	38	26	8	0	1	0	0	0	0	0	0	0	98	21-30	64
17:00	8	12	35	42	7	3	0	0	0	0	0	0	0	0	107	21-30	77
18:00	3	7	14	20	1	0	0	0	0	0	0	0	0	0	45	21-30	34
19:00	1	0	19	18	5	0	0	0	0	0	0	0	0	0	43	21-30	37
20:00	1	2	9	16	5	0	0	0	0	0	0	0	0	0	33	21-30	25
21:00	2	1	11	6	2	0	0	0	0	0	0	0	0	0	22	20-29	17
22:00	1	1	2	5	3	1	0	0	0	0	0	0	0	0	13	24-33	10
23:00	2	1	3	4	0	0	0	0	0	0	0	0	0	0	10	20-29	8
<b>Total</b>	<b>105</b>	<b>192</b>	<b>506</b>	<b>411</b>	<b>92</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1314</b>		
<b>Percent</b>	<b>8.0%</b>	<b>14.6%</b>	<b>38.5%</b>	<b>31.3%</b>	<b>7.0%</b>	<b>0.5%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	08:00	08:00	08:00	07:00	09:00	10:00									08:00		
Vol.	11	28	72	40	10	1									158		
PM Peak	16:00	14:00	14:00	15:00	15:00	17:00	16:00								14:00		
Vol.	13	32	71	43	11	3	1								143		
<b>Total</b>	<b>105</b>	<b>192</b>	<b>506</b>	<b>411</b>	<b>92</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1314</b>		
<b>Percent</b>	<b>8.0%</b>	<b>14.6%</b>	<b>38.5%</b>	<b>31.3%</b>	<b>7.0%</b>	<b>0.5%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 18 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 32 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 917  
 Percent in Pace : 69.8%  
 Number of Vehicles > 25 MPH : 511  
 Percent of Vehicles > 25 MPH : 38.9%  
 Mean Speed(Average) : 23 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-01

Corl Street  
 Btw Borough Line and Westerly Parkway

Start Time	30-Mar-10 Tue	NB	SB	Total
12:00 AM		5	4	9
01:00		0	1	1
02:00		1	5	6
03:00		1	2	3
04:00		2	2	4
05:00		4	2	6
06:00		16	6	22
07:00		75	42	117
08:00		<b>92</b>	<b>66</b>	<b>158</b>
09:00		47	32	79
10:00		43	31	74
11:00		42	29	71
12:00 PM		36	42	78
01:00		23	32	55
02:00		<b>77</b>	66	<b>143</b>
03:00		47	<b>70</b>	117
04:00		42	56	98
05:00		51	56	107
06:00		23	22	45
07:00		19	24	43
08:00		12	21	33
09:00		11	11	22
10:00		7	6	13
11:00		2	8	10
Total		678	636	1314
Percent		51.6%	48.4%	
AM Peak		08:00	08:00	08:00
Vol.		92	66	158
PM Peak		14:00	15:00	14:00
Vol.		77	70	143
Grand Total		678	636	1314
Percent		51.6%	48.4%	
ADT		ADT 1,314	ADT 1,314	

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-02

Dorum Avenue  
 Btw Corl Street and Westerly Parkway

WB, EB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
3/30/10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7-16	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	2	1	0	1	0	0	0	0	0	0	0	0	0	0	4	*	2
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
07:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3	13-22	2
08:00	2	4	5	4	1	0	0	0	0	0	0	0	0	0	16	17-26	10
09:00	3	2	3	0	1	1	0	0	0	0	0	0	0	0	10	14-23	5
10:00	7	3	0	0	0	0	0	0	0	0	0	0	0	0	10	*	7
11:00	3	0	3	2	0	0	0	0	0	0	0	0	0	0	8	18-27	5
12 PM	3	3	2	7	1	0	0	0	0	0	0	0	0	0	16	22-31	10
13:00	1	3	3	7	2	0	0	0	0	0	0	0	0	0	16	23-32	12
14:00	0	4	7	2	0	1	0	0	0	0	0	0	0	0	14	17-26	12
15:00	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5	12-21	5
16:00	1	2	2	2	3	0	0	0	0	0	0	0	0	0	10	24-33	7
17:00	1	0	3	3	2	0	0	0	0	0	0	0	0	0	9	23-32	8
18:00	1	0	1	4	0	0	0	0	0	0	0	0	0	0	6	20-29	5
19:00	1	0	2	2	1	0	0	0	0	0	0	0	0	0	6	22-31	5
20:00	0	2	2	1	0	0	0	0	0	0	0	0	0	0	5	17-26	5
21:00	1	1	0	1	0	0	0	0	0	0	0	0	0	0	3	7-16	2
22:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
<b>Total</b>	<b>28</b>	<b>30</b>	<b>38</b>	<b>37</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>146</b>		
Percent	19.2%	20.5%	26.0%	25.3%	7.5%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	08:00	08:00	08:00	08:00	09:00											08:00
Vol.	7	4	5	4	1	1											16
PM Peak	12:00	14:00	14:00	12:00	16:00	14:00											12:00
Vol.	3	4	7	7	3	1											16
<b>Total</b>	<b>28</b>	<b>30</b>	<b>38</b>	<b>37</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>146</b>		
Percent	19.2%	20.5%	26.0%	25.3%	7.5%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 12 MPH  
 50th Percentile : 22 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 33 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 75  
 Percent in Pace : 51.4%  
 Number of Vehicles > 25 MPH : 50  
 Percent of Vehicles > 25 MPH : 34.2%  
 Mean Speed(Average) : 21 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-02

Dorum Avenue  
 Btw Corl Street and Westerly Parkway

Start Time	30-Mar-10 Tue	WB	EB	Total
12:00 AM		1	0	1
01:00		0	0	0
02:00		1	0	1
03:00		0	0	0
04:00		3	1	4
05:00		0	0	0
06:00		1	1	2
07:00		3	0	3
08:00		<b>14</b>	2	<b>16</b>
09:00		8	2	10
10:00		7	3	10
11:00		4	<b>4</b>	8
12:00 PM		<b>12</b>	<b>4</b>	<b>16</b>
01:00		12	4	16
02:00		12	2	14
03:00		3	2	5
04:00		7	3	10
05:00		9	0	9
06:00		2	4	6
07:00		6	0	6
08:00		5	0	5
09:00		1	2	3
10:00		1	0	1
11:00		0	0	0
Total		112	34	146
Percent		76.7%	23.3%	
AM Peak		08:00	11:00	08:00
Vol.		14	4	16
PM Peak		12:00	12:00	12:00
Vol.		12	4	16
Grand Total		112	34	146
Percent		76.7%	23.3%	
ADT		ADT 146		AADT 146

# Stahl Sheaffer Engineering, LLC

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-03

Metz Avenue  
 Btw Osmond Street and S. Buckhout Street

WB, EB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
3/30/10	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2	*	1
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
04:00	0	2	1	0	1	0	0	0	0	0	0	0	0	0	4	12-21	3
05:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7-16	2
06:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	22-31	2
07:00	4	4	7	2	1	0	0	0	0	0	0	0	0	0	18	17-26	12
08:00	1	4	11	6	4	2	0	0	0	0	0	0	0	0	28	17-26	17
09:00	7	5	5	1	2	0	0	0	0	0	0	0	0	0	20	16-25	10
10:00	2	1	4	3	1	0	0	0	0	0	0	0	0	0	11	19-28	8
11:00	0	2	5	3	0	0	0	0	0	0	0	0	0	0	10	19-28	10
12 PM	3	1	2	7	0	0	0	0	0	0	0	0	0	0	13	20-29	9
13:00	0	3	2	7	3	0	0	0	0	0	0	0	0	0	15	24-33	12
14:00	1	3	11	7	1	1	0	0	0	0	0	0	0	0	24	18-27	18
15:00	1	6	5	2	1	0	0	0	0	0	0	0	0	0	15	15-24	11
16:00	1	2	2	3	1	0	0	0	0	0	0	0	0	0	9	19-28	7
17:00	1	3	5	5	3	0	0	0	0	0	0	0	0	0	17	18-27	10
18:00	1	0	3	2	1	1	0	0	0	0	0	0	0	0	8	18-27	5
19:00	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4	22-31	4
20:00	2	0	3	2	1	0	0	0	0	0	0	0	0	0	8	18-27	5
21:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	17-26	4
22:00	0	0	2	2	1	0	0	0	0	0	0	0	0	0	5	22-31	5
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
<b>Total</b>	<b>26</b>	<b>38</b>	<b>71</b>	<b>59</b>	<b>24</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>222</b>		
Percent	11.7%	17.1%	32.0%	26.6%	10.8%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	09:00	08:00	08:00	08:00	08:00									08:00		
Vol.	7	5	11	6	4	2									28		
PM Peak	12:00	15:00	14:00	12:00	13:00	14:00									14:00		
Vol.	3	6	11	7	3	1									24		
<b>Total</b>	<b>26</b>	<b>38</b>	<b>71</b>	<b>59</b>	<b>24</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>222</b>		
Percent	11.7%	17.1%	32.0%	26.6%	10.8%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 16 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 130  
 Percent in Pace : 58.6%  
 Number of Vehicles > 25 MPH : 87  
 Percent of Vehicles > 25 MPH : 39.2%  
 Mean Speed(Average) : 23 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3939 South Atherton Street, Suite B  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-03

Metz Avenue  
 Btw Osmond Street and S. Buckhout Street

Start Time	30-Mar-10 Tue	WB	EB	Total
12:00 AM		1	1	2
01:00		0	0	0
02:00		0	2	2
03:00		1	0	1
04:00		3	1	4
05:00		1	1	2
06:00		1	1	2
07:00		7	11	18
08:00		<b>8</b>	<b>20</b>	<b>28</b>
09:00		8	12	20
10:00		3	8	11
11:00		8	2	10
12:00 PM		6	7	13
01:00		7	<b>8</b>	15
02:00		<b>16</b>	8	<b>24</b>
03:00		8	7	15
04:00		6	3	9
05:00		13	4	17
06:00		6	2	8
07:00		1	3	4
08:00		4	4	8
09:00		1	3	4
10:00		5	0	5
11:00		0	0	0
<b>Total</b>		114	108	222
<b>Percent</b>		51.4%	48.6%	
AM Peak		08:00	08:00	08:00
Vol.		8	20	28
PM Peak		14:00	13:00	14:00
Vol.		16	8	24
<b>Grand Total</b>		114	108	222
<b>Percent</b>		51.4%	48.6%	
<b>ADT</b>		<b>ADT 222</b>		<b>AADT 222</b>

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-04

Nittany Avenue  
 Btw Patterson St. and S. Sparks St.

WB, EB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
04/06/10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
07:00	1	0	2	1	0	0	0	0	0	0	0	0	0	0	4	17-26	3
08:00	1	2	3	1	0	0	0	0	0	0	0	0	0	0	7	14-23	6
09:00	4	1	1	1	0	0	0	0	0	0	0	0	0	0	7	*	4
10:00	1	2	3	1	0	0	0	0	0	0	0	0	0	0	7	14-23	6
11:00	2	1	7	6	1	0	0	0	0	0	0	0	0	0	17	20-29	13
12 PM	3	0	1	3	1	0	0	0	0	0	0	0	0	0	8	22-31	5
13:00	7	1	2	2	0	0	0	0	0	0	0	0	0	0	12	*	7
14:00	1	2	8	2	0	0	0	0	0	0	0	0	0	0	13	18-27	12
15:00	3	7	3	4	0	0	0	0	0	0	0	0	0	0	17	11-20	10
16:00	3	2	4	2	0	0	0	0	0	0	0	0	0	0	11	18-27	8
17:00	2	3	5	2	0	0	0	0	0	0	0	0	0	0	12	18-27	10
18:00	0	1	3	3	0	0	0	0	0	0	0	0	0	0	7	19-28	7
19:00	2	1	2	1	0	0	0	0	0	0	0	0	0	0	6	17-26	4
20:00	1	2	3	1	1	0	0	0	0	0	0	0	0	0	8	14-23	6
21:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	13-22	2
22:00	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5	21-30	5
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
<b>Total</b>	<b>31</b>	<b>25</b>	<b>50</b>	<b>37</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>146</b>		
<b>Percent</b>	<b>21.2%</b>	<b>17.1%</b>	<b>34.2%</b>	<b>25.3%</b>	<b>2.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	09:00	08:00	11:00	11:00	11:00												11:00
Vol.	4	2	7	6	1												17
PM Peak	13:00	15:00	14:00	22:00	12:00												15:00
Vol.	7	7	8	5	1												17
<b>Total</b>	<b>31</b>	<b>25</b>	<b>50</b>	<b>37</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>146</b>		
<b>Percent</b>	<b>21.2%</b>	<b>17.1%</b>	<b>34.2%</b>	<b>25.3%</b>	<b>2.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 11 MPH  
 50th Percentile : 22 MPH  
 85th Percentile : 28 MPH  
 95th Percentile : 30 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 87  
 Percent in Pace : 59.6%  
 Number of Vehicles > 25 MPH : 40  
 Percent of Vehicles > 25 MPH : 27.4%  
 Mean Speed(Average) : 20 MPH



# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-04

Nittany Avenue  
 Btw Patterson St. and S. Sparks St.

Start Time	06-Apr-10 Tue	WB	EB	Total
12:00 AM		1	0	1
01:00		0	0	0
02:00		0	1	1
03:00		0	0	0
04:00		0	1	1
05:00		0	0	0
06:00		0	0	0
07:00		1	3	4
08:00		6	1	7
09:00		3	4	7
10:00		3	4	7
11:00		<b>12</b>	<b>5</b>	<b>17</b>
12:00 PM		5	3	8
01:00		7	5	12
02:00		<b>12</b>	1	13
03:00		10	<b>7</b>	<b>17</b>
04:00		6	5	11
05:00		11	1	12
06:00		4	3	7
07:00		5	1	6
08:00		5	3	8
09:00		1	1	2
10:00		3	2	5
11:00		0	0	0
Total		95	51	146
Percent		65.1%	34.9%	
AM Peak		11:00	11:00	11:00
Vol.		12	5	17
PM Peak		14:00	15:00	15:00
Vol.		12	7	17
Grand Total		95	51	146
Percent		65.1%	34.9%	
ADT		ADT 146		AADT 146

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-05

Nittany Avenue  
 Btw. S. Sparks St. and Atherton St.

EB, WB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/06/10	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	7-16	1
01:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
06:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	18-27	2
07:00	0	4	2	1	0	0	0	0	0	0	0	0	0	0	7	13-22	6
08:00	2	2	7	5	0	0	0	0	0	0	0	0	0	0	16	19-28	12
09:00	2	4	7	7	1	0	0	0	0	0	0	0	0	0	21	18-27	14
10:00	6	3	6	3	0	0	0	0	0	0	0	0	0	0	18	18-27	11
11:00	1	4	13	6	1	0	0	0	0	0	0	0	0	0	25	17-26	19
12 PM	1	4	7	5	1	0	0	0	0	0	0	0	0	0	18	17-26	12
13:00	5	3	7	3	2	0	0	0	0	0	0	0	0	0	20	18-27	12
14:00	6	2	13	6	0	0	0	0	0	0	0	0	0	0	27	19-28	19
15:00	10	5	12	5	1	0	0	0	0	0	0	0	0	0	33	16-25	17
16:00	4	4	11	6	1	0	0	0	0	0	0	0	0	0	26	17-26	17
17:00	5	5	10	4	1	0	0	0	0	0	0	0	0	0	25	16-25	15
18:00	5	3	6	5	1	0	0	0	0	0	0	0	0	0	20	18-27	11
19:00	1	1	7	3	0	0	0	0	0	0	0	0	0	0	12	19-28	11
20:00	2	6	5	4	0	0	0	0	0	0	0	0	0	0	17	14-23	11
21:00	0	1	0	3	0	0	0	0	0	0	0	0	0	0	4	19-28	3
22:00	1	0	6	3	0	0	0	0	0	0	0	0	0	0	10	19-28	9
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
<b>Total</b>	<b>51</b>	<b>52</b>	<b>123</b>	<b>74</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>309</b>		
<b>Percent</b>	<b>16.5%</b>	<b>16.8%</b>	<b>39.8%</b>	<b>23.9%</b>	<b>2.9%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	10:00	07:00	11:00	09:00	09:00										11:00		
Vol.	6	4	13	7	1										25		
PM Peak	15:00	20:00	14:00	14:00	13:00										15:00		
Vol.	10	6	13	6	2										33		
<b>Total</b>	<b>51</b>	<b>52</b>	<b>123</b>	<b>74</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>309</b>		
<b>Percent</b>	<b>16.5%</b>	<b>16.8%</b>	<b>39.8%</b>	<b>23.9%</b>	<b>2.9%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 14 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 28 MPH  
 95th Percentile : 30 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 197  
 Percent in Pace : 63.8%  
 Number of Vehicles > 25 MPH : 83  
 Percent of Vehicles > 25 MPH : 26.9%  
 Mean Speed(Average) : 21 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-05

Nittany Avenue  
 Btw. S. Sparks St. and Atherton St.

Start Time	06-Apr-10 Tue	EB	WB	Total
12:00 AM		0	2	2
01:00		2	0	2
02:00		0	0	0
03:00		0	0	0
04:00		1	1	2
05:00		0	1	1
06:00		1	1	2
07:00		2	5	7
08:00		<b>8</b>	8	16
09:00		4	17	21
10:00		8	10	18
11:00		6	<b>19</b>	<b>25</b>
12:00 PM		7	11	18
01:00		7	13	20
02:00		4	<b>23</b>	27
03:00		<b>11</b>	22	<b>33</b>
04:00		6	20	26
05:00		8	17	25
06:00		5	15	20
07:00		4	8	12
08:00		5	12	17
09:00		2	2	4
10:00		3	7	10
11:00		0	1	1
<b>Total</b>		94	215	309
<b>Percent</b>		30.4%	69.6%	
<b>AM Peak</b>		08:00	11:00	11:00
<b>Vol.</b>		8	19	25
<b>PM Peak</b>		15:00	14:00	15:00
<b>Vol.</b>		11	23	33
<b>Grand Total</b>		94	215	309
<b>Percent</b>		30.4%	69.6%	
<b>ADT</b>		ADT 309		AADT 309

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-06

Osmond Street  
 Btw Corl Street and Borough Line

EB, WB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
04/06/10	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	22-31	1
01:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	12-21	1
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	22-31	1
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	12-21	2
05:00	1	0	2	3	0	0	0	0	0	0	0	0	0	0	6	19-28	5
06:00	2	1	4	0	1	0	0	0	0	0	0	0	0	0	8	15-24	5
07:00	3	5	4	5	0	0	0	0	0	0	0	0	0	0	17	13-22	9
08:00	2	9	11	2	0	0	0	0	0	0	0	0	0	0	24	16-25	20
09:00	1	5	6	0	1	0	0	0	0	0	0	0	0	0	13	15-24	11
10:00	1	2	3	0	0	0	0	0	0	0	0	0	0	0	6	14-23	6
11:00	1	1	5	4	0	0	0	0	0	0	0	0	0	0	11	20-29	10
12 PM	3	1	7	5	0	0	0	0	0	0	0	0	0	0	16	20-29	12
13:00	0	2	2	3	0	0	0	0	0	0	0	0	0	0	7	19-28	7
14:00	0	5	9	14	2	0	1	0	0	0	0	0	0	0	31	21-30	23
15:00	3	7	12	10	1	0	0	0	0	0	0	0	0	0	33	19-28	22
16:00	3	2	3	5	2	0	0	0	0	0	0	0	0	0	15	23-32	10
17:00	0	0	4	5	1	1	0	0	0	0	0	0	0	0	11	21-30	9
18:00	0	1	0	4	0	0	0	0	0	0	0	0	0	0	5	20-29	4
19:00	0	1	5	4	0	0	0	0	0	0	0	0	0	0	10	20-29	10
20:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3	22-31	2
21:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	12-21	2
22:00	0	1	2	4	0	0	0	0	0	0	0	0	0	0	7	20-29	7
23:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4	19-28	4
<b>Total</b>	<b>20</b>	<b>46</b>	<b>83</b>	<b>73</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>236</b>		
<b>Percent</b>	<b>8.5%</b>	<b>19.5%</b>	<b>35.2%</b>	<b>30.9%</b>	<b>5.1%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	07:00	08:00	08:00	07:00	00:00												08:00
Vol.	3	9	11	5	1												24
PM Peak	12:00	15:00	15:00	14:00	14:00	17:00	14:00										15:00
Vol.	3	7	12	14	2	1	1										33
<b>Total</b>	<b>20</b>	<b>46</b>	<b>83</b>	<b>73</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>236</b>		
<b>Percent</b>	<b>8.5%</b>	<b>19.5%</b>	<b>35.2%</b>	<b>30.9%</b>	<b>5.1%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 17 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 31 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 156  
 Percent in Pace : 66.1%  
 Number of Vehicles > 25 MPH : 87  
 Percent of Vehicles > 25 MPH : 36.9%  
 Mean Speed(Average) : 23 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-06

Osmond Street  
 Btw Corl Street and Borough Line

Start Time	06-Apr-10 Tue	EB	WB	Total
12:00 AM		1	0	1
01:00		2	0	2
02:00		1	0	1
03:00		1	0	1
04:00		2	0	2
05:00		3	3	6
06:00		6	2	8
07:00		13	4	17
08:00		<b>14</b>	<b>10</b>	<b>24</b>
09:00		9	4	13
10:00		3	3	6
11:00		7	4	11
12:00 PM		11	5	16
01:00		5	2	7
02:00		17	<b>14</b>	31
03:00		<b>19</b>	14	<b>33</b>
04:00		6	9	15
05:00		5	6	11
06:00		1	4	5
07:00		6	4	10
08:00		2	1	3
09:00		1	1	2
10:00		3	4	7
11:00		1	3	4
<b>Total</b>		139	97	236
<b>Percent</b>		58.9%	41.1%	
AM Peak		08:00	08:00	08:00
Vol.		14	10	24
PM Peak		15:00	14:00	15:00
Vol.		19	14	33
<b>Grand Total</b>		139	97	236
<b>Percent</b>		58.9%	41.1%	
<b>ADT</b>		<b>ADT 236</b>		<b>AADT 236</b>

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-07

Patterson Street  
 Btw Fairmount Ave. and Beaver Ave.

SB, NB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
04/06/10	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
02:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	12-21	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
06:00	2	0	0	1	1	0	0	0	0	0	0	0	0	0	4	*	2
07:00	1	3	3	0	2	1	0	0	0	0	0	0	0	0	10	14-23	7
08:00	1	5	8	2	0	0	0	0	0	0	0	0	0	0	16	15-24	13
09:00	2	2	4	1	0	0	0	0	0	0	0	0	0	0	9	14-23	7
10:00	1	4	4	2	0	0	0	0	0	0	0	0	0	0	11	15-24	9
11:00	2	6	8	5	0	0	0	0	0	0	0	0	0	0	21	14-23	14
12 PM	1	3	2	4	0	0	0	0	0	0	0	0	0	0	10	20-29	6
13:00	7	1	4	2	0	0	0	0	0	0	0	0	0	0	14	*	7
14:00	3	4	7	5	0	0	0	0	0	0	0	0	0	0	19	17-26	12
15:00	4	7	6	2	0	0	0	0	0	0	0	0	0	0	19	12-21	13
16:00	2	2	9	5	2	0	0	0	0	0	0	0	0	0	20	19-28	14
17:00	3	8	10	5	0	0	0	0	0	0	0	0	0	0	26	16-25	18
18:00	1	4	9	4	0	0	0	0	0	0	0	0	0	0	18	17-26	14
19:00	2	4	4	2	0	0	0	0	0	0	0	0	0	0	12	14-23	9
20:00	0	4	3	2	0	0	0	0	0	0	0	0	0	0	9	14-23	7
21:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3	17-26	3
22:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4	17-26	4
23:00	0	0	2	0	0	1	0	0	0	0	0	0	0	0	3	13-22	2
<b>Total</b>	<b>32</b>	<b>59</b>	<b>91</b>	<b>45</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>234</b>		
<b>Percent</b>	<b>13.7%</b>	<b>25.2%</b>	<b>38.9%</b>	<b>19.2%</b>	<b>2.1%</b>	<b>0.9%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	06:00	11:00	08:00	11:00	07:00	07:00											11:00
Vol.	2	6	8	5	2	1											21
PM Peak	13:00	17:00	17:00	14:00	16:00	23:00											17:00
Vol.	7	8	10	5	2	1											26
<b>Total</b>	<b>32</b>	<b>59</b>	<b>91</b>	<b>45</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>234</b>		
<b>Percent</b>	<b>13.7%</b>	<b>25.2%</b>	<b>38.9%</b>	<b>19.2%</b>	<b>2.1%</b>	<b>0.9%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 16 MPH  
 50th Percentile : 22 MPH  
 85th Percentile : 27 MPH  
 95th Percentile : 30 MPH

Stats  
 10 MPH Pace Speed : 16-25 MPH  
 Number in Pace : 150  
 Percent in Pace : 64.1%  
 Number of Vehicles > 25 MPH : 52  
 Percent of Vehicles > 25 MPH : 22.2%  
 Mean Speed(Average) : 21 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-07

Patterson Street  
 Btw Fairmount Ave. and Beaver Ave.

Start Time	06-Apr-10 Tue	SB	NB	Total
12:00 AM		1	1	2
01:00		1	0	1
02:00		2	0	2
03:00		0	0	0
04:00		0	0	0
05:00		1	0	1
06:00		2	2	4
07:00		4	6	10
08:00		4	12	16
09:00		4	5	9
10:00		6	5	11
11:00		<b>7</b>	<b>14</b>	<b>21</b>
12:00 PM		6	4	10
01:00		3	11	14
02:00		3	<b>16</b>	19
03:00		7	12	19
04:00		11	9	20
05:00		10	16	<b>26</b>
06:00		<b>12</b>	6	18
07:00		5	7	12
08:00		5	4	9
09:00		3	0	3
10:00		1	3	4
11:00		3	0	3
Total		101	133	234
Percent		43.2%	56.8%	
AM Peak		11:00	11:00	11:00
Vol.		7	14	21
PM Peak		18:00	14:00	17:00
Vol.		12	16	26
Grand Total		101	133	234
Percent		43.2%	56.8%	
ADT		ADT 234		AADT 234

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-08

Prospect Avenue  
 Btw S. Sparks St. and Atherton St.

EB, WB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
04/08/10	0	0	1	5	2	1	0	0	0	0	0	0	0	0	9	23-32	8
01:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	22-31	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	14-23	3
05:00	3	1	2	1	0	0	0	0	0	0	0	0	0	0	7	17-26	4
06:00	2	3	3	4	0	0	0	0	0	0	0	0	0	0	12	18-27	8
07:00	3	4	12	<b>24</b>	13	<b>2</b>	0	0	0	0	0	0	0	0	58	24-33	39
08:00	2	<b>6</b>	<b>16</b>	20	<b>15</b>	2	0	0	0	0	0	0	0	0	<b>61</b>	21-30	36
09:00	1	3	10	12	5	2	0	0	0	0	0	0	0	0	33	21-30	22
10:00	0	3	11	11	3	2	0	0	0	0	0	0	0	0	30	21-30	22
11:00	<b>4</b>	2	13	18	5	1	0	0	0	0	0	0	0	0	43	21-30	31
12 PM	2	5	22	21	4	0	0	0	0	0	0	0	0	0	54	21-30	43
13:00	5	5	15	19	<b>12</b>	0	0	0	0	0	0	0	0	0	56	21-30	34
14:00	3	9	16	16	6	<b>2</b>	0	0	0	0	0	0	0	0	52	21-30	32
15:00	8	15	24	23	6	0	0	0	0	0	0	0	0	0	76	21-30	47
16:00	4	<b>17</b>	<b>27</b>	16	6	0	0	0	0	0	0	0	0	0	70	17-26	45
17:00	<b>11</b>	15	21	<b>36</b>	10	0	0	0	0	0	0	0	0	0	<b>93</b>	21-30	57
18:00	0	4	13	15	5	0	0	0	0	0	0	0	0	0	37	21-30	28
19:00	0	3	13	12	6	0	0	0	0	0	0	0	0	0	34	21-30	25
20:00	5	1	9	7	3	0	0	0	0	0	0	0	0	0	25	20-29	16
21:00	0	2	3	7	1	0	0	0	0	0	0	0	0	0	13	22-31	11
22:00	2	1	8	3	4	1	0	0	0	0	0	0	0	0	19	20-29	11
23:00	0	0	3	3	0	0	0	0	0	0	0	0	0	0	6	19-28	6
<b>Total</b>	<b>55</b>	<b>99</b>	<b>246</b>	<b>274</b>	<b>107</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>794</b>		
Percent	6.9%	12.5%	31.0%	34.5%	13.5%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	08:00	08:00	07:00	08:00	07:00									08:00		
Vol.	4	6	16	24	15	2									61		
PM Peak	17:00	16:00	16:00	17:00	13:00	14:00									17:00		
Vol.	11	17	27	36	12	2									93		
<b>Total</b>	<b>55</b>	<b>99</b>	<b>246</b>	<b>274</b>	<b>107</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>794</b>		
Percent	6.9%	12.5%	31.0%	34.5%	13.5%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 19 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 34 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 520  
 Percent in Pace : 65.5%  
 Number of Vehicles > 25 MPH : 394  
 Percent of Vehicles > 25 MPH : 49.6%  
 Mean Speed(Average) : 25 MPH



# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-08

Prospect Avenue  
 Btw S. Sparks St. and Atherton St.

Start Time	08-Apr-10 Thu	EB	WB	Total
12:00 AM		3	6	9
01:00		1	1	2
02:00		1	0	1
03:00		0	0	0
04:00		2	1	3
05:00		6	1	7
06:00		5	7	12
07:00		34	24	58
08:00		<b>44</b>	17	<b>61</b>
09:00		21	12	33
10:00		15	15	30
11:00		14	<b>29</b>	43
12:00 PM		28	26	54
01:00		24	32	56
02:00		23	29	52
03:00		35	41	76
04:00		19	<b>51</b>	70
05:00		<b>47</b>	46	<b>93</b>
06:00		19	18	37
07:00		13	21	34
08:00		14	11	25
09:00		7	6	13
10:00		7	12	19
11:00		2	4	6
<b>Total</b>		384	410	794
<b>Percent</b>		48.4%	51.6%	
AM Peak		08:00	11:00	08:00
Vol.		44	29	61
PM Peak		17:00	16:00	17:00
Vol.		47	51	93
<b>Grand Total</b>		384	410	794
<b>Percent</b>		48.4%	51.6%	
<b>ADT</b>		ADT 794		AADT 794

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-09

South Barnard Street  
 Btw Prospect Ave. and Fairmount Ave.

SB, NB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/08/10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7-16	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7-16	1
05:00	0	1	5	1	0	0	0	0	0	0	0	0	0	0	7	17-26	7
06:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	12-21	3
07:00	2	3	1	0	0	0	0	0	0	0	0	0	0	0	6	12-21	6
08:00	4	4	3	0	0	0	0	0	0	0	0	0	0	0	11	12-21	9
09:00	7	5	4	0	0	0	0	0	0	0	0	0	0	0	16	15-24	9
10:00	2	2	1	0	0	0	0	0	0	0	0	0	0	0	5	12-21	5
11:00	1	9	1	0	0	0	0	0	0	0	0	0	0	0	11	12-21	11
12 PM	2	6	5	0	0	0	0	0	0	0	0	0	0	0	13	14-23	11
13:00	2	7	4	0	0	0	0	0	0	0	0	0	0	0	13	14-23	12
14:00	3	4	4	0	0	0	0	0	0	0	0	0	0	0	11	13-22	9
15:00	7	11	4	1	0	0	0	0	0	0	0	0	0	0	23	11-20	16
16:00	9	9	1	0	0	0	0	0	0	0	0	0	0	0	19	10-19	14
17:00	4	7	12	1	0	0	0	0	0	0	0	0	0	0	24	16-25	19
18:00	6	6	6	1	0	0	0	0	0	0	0	0	0	0	19	12-21	12
19:00	1	7	3	0	0	0	0	0	0	0	0	0	0	0	11	14-23	11
20:00	3	2	5	1	0	0	0	0	0	0	0	0	0	0	11	17-26	8
21:00	2	4	3	0	0	0	0	0	0	0	0	0	0	0	9	14-23	9
22:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	9-18	3
23:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	9-18	3
<b>Total</b>	<b>56</b>	<b>96</b>	<b>63</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>220</b>		
<b>Percent</b>	<b>25.5%</b>	<b>43.6%</b>	<b>28.6%</b>	<b>2.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	09:00	11:00	05:00	05:00											09:00		
Vol.	7	9	5	1											16		
PM Peak	16:00	15:00	17:00	15:00											17:00		
Vol.	9	11	12	1											24		
<b>Total</b>	<b>56</b>	<b>96</b>	<b>63</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>220</b>		
<b>Percent</b>	<b>25.5%</b>	<b>43.6%</b>	<b>28.6%</b>	<b>2.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 10 MPH  
 50th Percentile : 18 MPH  
 85th Percentile : 23 MPH  
 95th Percentile : 25 MPH

Stats  
 10 MPH Pace Speed : 16-25 MPH  
 Number in Pace : 159  
 Percent in Pace : 72.3%  
 Number of Vehicles > 25 MPH : 5  
 Percent of Vehicles > 25 MPH : 2.3%  
 Mean Speed(Average) : 17 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-09

South Barnard Street  
 Btw Prospect Ave. and Fairmount Ave.

Start Time	08-Apr-10 Thu	SB	NB	Total
12:00 AM		0	1	1
01:00		0	0	0
02:00		0	0	0
03:00		0	0	0
04:00		1	0	1
05:00		7	0	7
06:00		1	2	3
07:00		4	2	6
08:00		4	7	11
09:00		9	7	16
10:00		1	4	5
11:00		7	4	11
12:00 PM		7	6	13
01:00		7	6	13
02:00		8	3	11
03:00		16	7	23
04:00		13	6	19
05:00		16	8	24
06:00		14	5	19
07:00		4	7	11
08:00		9	2	11
09:00		4	5	9
10:00		1	2	3
11:00		2	1	3
<b>Total</b>		135	85	220
<b>Percent</b>		61.4%	38.6%	
<b>AM Peak</b>		09:00	08:00	09:00
<b>Vol.</b>		9	7	16
<b>PM Peak</b>		15:00	17:00	17:00
<b>Vol.</b>		16	8	24
<b>Grand Total</b>		135	85	220
<b>Percent</b>		61.4%	38.6%	
<b>ADT</b>		ADT 220		AADT 220

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-10

South Barnard Street  
 Btw W. Foster Ave. and Beaver Ave.

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/08/10	0	2	3	1	0	0	0	0	0	0	0	0	0	0	6	17-26	6
01:00	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4	17-26	3
02:00	3	2	1	0	0	0	0	0	0	0	0	0	0	0	6	*	3
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
04:00	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3	*	2
05:00	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3	17-26	2
06:00	0	0	3	7	0	0	0	0	0	0	0	0	0	0	10	21-30	10
07:00	5	5	5	4	1	0	0	0	0	0	0	0	0	0	20	11-20	10
08:00	6	8	11	2	1	0	0	0	0	0	0	0	0	0	28	16-25	19
09:00	14	10	11	3	0	0	0	0	0	0	0	0	0	0	38	16-25	21
10:00	13	6	9	1	0	0	0	0	0	0	0	0	0	0	29	16-25	15
11:00	17	12	12	1	0	0	0	0	0	0	0	0	0	0	42	16-25	24
12 PM	12	6	12	7	0	0	0	0	0	0	0	0	0	0	37	18-27	20
13:00	5	11	7	4	0	0	0	0	0	0	0	0	0	0	27	13-22	18
14:00	14	10	17	7	2	0	0	0	0	0	0	0	0	0	50	16-25	27
15:00	18	12	17	11	6	0	0	0	0	0	0	0	0	0	64	17-26	30
16:00	8	8	27	32	10	1	0	0	0	0	0	0	0	0	86	21-30	59
17:00	10	9	32	20	7	0	0	0	0	0	0	0	0	0	78	21-30	52
18:00	14	16	18	17	1	2	0	0	0	0	0	0	0	0	68	18-27	36
19:00	9	11	21	16	3	0	0	0	0	0	0	0	0	0	60	20-29	37
20:00	4	13	14	15	0	0	0	0	0	0	0	0	0	0	46	18-27	29
21:00	8	7	20	5	2	1	0	0	0	0	0	0	0	0	43	16-25	27
22:00	3	5	5	3	0	0	0	0	0	0	0	0	0	0	16	13-22	10
23:00	6	3	4	1	0	0	0	0	0	0	0	0	0	0	14	17-26	8
<b>Total</b>	172	157	253	159	33	5	0	0	0	0	0	0	0	0	779		
<b>Percent</b>	22.1%	20.2%	32.5%	20.4%	4.2%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	11:00	06:00	07:00	05:00									11:00		
Vol.	17	12	12	7	1	1									42		
PM Peak	15:00	18:00	17:00	16:00	16:00	18:00									16:00		
Vol.	18	16	32	32	10	2									86		
<b>Total</b>	172	157	253	159	33	5	0	0	0	0	0	0	0	0	779		
<b>Percent</b>	22.1%	20.2%	32.5%	20.4%	4.2%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 10 MPH  
 50th Percentile : 22 MPH  
 85th Percentile : 28 MPH  
 95th Percentile : 30 MPH

Stats  
 10 MPH Pace Speed : 19-28 MPH  
 Number in Pace : 413  
 Percent in Pace : 53.0%  
 Number of Vehicles > 25 MPH : 197  
 Percent of Vehicles > 25 MPH : 25.3%  
 Mean Speed(Average) : 20 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-10

South Barnard Street  
 Btw W. Foster Ave. and Beaver Ave.

Start Time	08-Apr-10 Thu	NB	SB	Total
12:00 AM		5	1	6
01:00		2	2	4
02:00		2	4	6
03:00		1	0	1
04:00		1	2	3
05:00		0	3	3
06:00		7	3	10
07:00		15	5	20
08:00		18	10	28
09:00		<b>23</b>	15	38
10:00		15	14	29
11:00		18	<b>24</b>	<b>42</b>
12:00 PM		20	17	37
01:00		15	12	27
02:00		27	23	50
03:00		33	31	64
04:00		30	<b>56</b>	<b>86</b>
05:00		31	47	78
06:00		<b>37</b>	31	68
07:00		31	29	60
08:00		23	23	46
09:00		25	18	43
10:00		10	6	16
11:00		10	4	14
<b>Total</b>		399	380	779
<b>Percent</b>		51.2%	48.8%	
AM Peak		09:00	11:00	11:00
Vol.		23	24	42
PM Peak		18:00	16:00	16:00
Vol.		37	56	86
<b>Grand Total</b>		399	380	779
<b>Percent</b>		51.2%	48.8%	
<b>ADT</b>		<b>ADT 779</b>		<b>AADT 779</b>

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-11

South Barnard Street  
 Btw Fairmount Ave. and West Foster Ave.

SB, NB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/13/10	1	0	4	0	0	0	0	0	0	0	0	0	0	0	5	15-24	4
01:00	1	1	4	1	0	0	0	0	0	0	0	0	0	0	7	15-24	6
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7-16	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4	*	3
05:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3	18-27	2
06:00	1	3	3	1	1	1	0	0	0	0	0	0	0	0	10	14-23	7
07:00	1	2	4	5	1	0	0	0	0	0	0	0	0	0	13	22-31	10
08:00	10	5	9	3	0	1	0	0	0	0	0	0	0	0	28	16-25	14
09:00	3	9	7	1	0	1	0	0	0	0	0	0	0	0	21	13-22	16
10:00	11	7	5	1	2	0	0	0	0	0	0	0	0	0	26	16-25	12
11:00	4	9	1	2	1	0	0	0	0	0	0	0	0	0	17	11-20	13
12 PM	8	12	7	5	1	0	0	0	0	0	0	0	0	0	33	13-22	19
13:00	3	10	7	4	1	0	0	0	0	0	0	0	0	0	25	13-22	17
14:00	5	12	4	2	0	0	0	0	0	0	0	0	0	0	23	11-20	17
15:00	8	6	12	4	0	0	0	0	0	0	0	0	0	0	30	16-25	18
16:00	9	13	10	9	2	0	0	0	0	0	0	0	0	0	43	16-25	23
17:00	13	12	21	12	2	0	0	0	0	0	0	0	0	0	60	18-27	35
18:00	5	10	8	5	2	0	0	0	0	0	0	0	0	0	30	14-23	18
19:00	8	11	12	5	1	0	0	0	0	0	0	0	0	0	37	16-25	23
20:00	6	7	7	5	2	1	0	0	0	0	0	0	0	0	28	13-22	14
21:00	4	10	6	3	2	0	0	0	0	0	0	0	0	0	25	12-21	16
22:00	5	4	5	1	2	0	0	0	0	0	0	0	0	0	17	16-25	9
23:00	1	3	5	1	1	0	0	0	0	0	0	0	0	0	11	15-24	8
<b>Total</b>	<b>110</b>	<b>149</b>	<b>141</b>	<b>72</b>	<b>21</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>497</b>		
Percent	22.1%	30.0%	28.4%	14.5%	4.2%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	09:00	08:00	07:00	10:00	06:00										08:00	
Vol.	11	9	9	5	2	1										28	
PM Peak	17:00	16:00	17:00	17:00	16:00	20:00										17:00	
Vol.	13	13	21	12	2	1										60	
<b>Total</b>	<b>110</b>	<b>149</b>	<b>141</b>	<b>72</b>	<b>21</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>497</b>		
Percent	22.1%	30.0%	28.4%	14.5%	4.2%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 11 MPH  
 50th Percentile : 20 MPH  
 85th Percentile : 27 MPH  
 95th Percentile : 30 MPH

Stats  
 10 MPH Pace Speed : 16-25 MPH  
 Number in Pace : 290  
 Percent in Pace : 58.4%  
 Number of Vehicles > 25 MPH : 97  
 Percent of Vehicles > 25 MPH : 19.5%  
 Mean Speed(Average) : 19 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-11

South Barnard Street  
 Btw Fairmount Ave. and W. Foster Ave.

Start Time	13-Apr-10 Tue	SB	NB	Total
12:00 AM		2	3	5
01:00		1	6	7
02:00		0	1	1
03:00		0	0	0
04:00		3	1	4
05:00		2	1	3
06:00		2	8	10
07:00		1	12	13
08:00		<b>13</b>	15	<b>28</b>
09:00		2	<b>19</b>	21
10:00		12	14	26
11:00		5	12	17
12:00 PM		14	19	33
01:00		8	17	25
02:00		6	17	23
03:00		12	18	30
04:00		19	24	43
05:00		<b>26</b>	<b>34</b>	<b>60</b>
06:00		12	18	30
07:00		17	20	37
08:00		15	13	28
09:00		7	18	25
10:00		5	12	17
11:00		2	9	11
<b>Total</b>		<b>186</b>	<b>311</b>	<b>497</b>
<b>Percent</b>		<b>37.4%</b>	<b>62.6%</b>	
AM Peak		08:00	09:00	08:00
Vol.		13	19	28
PM Peak		17:00	17:00	17:00
Vol.		26	34	60
<b>Grand Total</b>		<b>186</b>	<b>311</b>	<b>497</b>
<b>Percent</b>		<b>37.4%</b>	<b>62.6%</b>	
<b>ADT</b>		<b>ADT 497</b>		<b>AADT 497</b>

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-12

South Buckhout Street  
 Btw W. Fairmount Ave. and Beaver Ave.

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/13/10	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	7-16	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3	12-21	3
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
05:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	22-31	2
06:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	22-31	1
07:00	0	5	13	18	2	0	0	0	0	0	0	0	0	0	38	21-30	31
08:00	4	3	16	14	8	0	0	0	0	0	0	0	0	0	45	21-30	30
09:00	3	7	9	12	3	0	0	0	0	0	0	0	0	0	34	19-28	21
10:00	2	3	10	6	5	0	0	0	0	0	0	0	0	0	26	18-27	16
11:00	0	2	12	11	2	2	0	0	0	0	0	0	0	0	29	21-30	23
12 PM	2	1	10	12	6	0	0	0	0	0	0	0	0	0	31	21-30	22
13:00	2	6	9	10	3	1	0	0	0	0	0	0	0	0	31	20-29	19
14:00	0	8	9	12	4	0	0	0	0	0	0	0	0	0	33	18-27	21
15:00	2	5	28	10	6	0	0	0	0	0	0	0	0	0	51	21-30	38
16:00	2	3	22	11	1	0	0	0	0	0	0	0	0	0	39	21-30	33
17:00	0	8	12	20	14	0	0	0	0	0	0	0	0	0	54	24-33	35
18:00	2	0	12	16	1	2	1	0	0	0	0	0	0	0	34	21-30	28
19:00	0	0	9	8	0	0	0	0	0	0	0	0	0	0	17	21-30	17
20:00	0	0	4	9	2	0	0	0	0	0	0	0	0	0	15	22-31	14
21:00	0	1	2	6	2	0	0	0	0	0	0	0	0	0	11	23-32	10
22:00	0	1	7	8	1	0	0	0	0	0	0	0	0	0	17	20-29	15
23:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4	18-27	4
<b>Total</b>	<b>20</b>	<b>57</b>	<b>187</b>	<b>186</b>	<b>63</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>519</b>		
Percent	3.9%	11.0%	36.0%	35.8%	12.1%	1.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	08:00	07:00	08:00	11:00											08:00
Vol.	4	7	16	18	8	2											45
PM Peak	12:00	14:00	15:00	17:00	17:00	18:00	18:00										17:00
Vol.	2	8	28	20	14	2	1										54
<b>Total</b>	<b>20</b>	<b>57</b>	<b>187</b>	<b>186</b>	<b>63</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>519</b>		
Percent	3.9%	11.0%	36.0%	35.8%	12.1%	1.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 21 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 373  
 Percent in Pace : 71.9%  
 Number of Vehicles > 25 MPH : 255  
 Percent of Vehicles > 25 MPH : 49.1%  
 Mean Speed(Average) : 25 MPH



# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-12

South Buckhout Street  
 Btw W. Fairmount Ave. and Beaver Ave.

Start Time	13-Apr-10 Tue	NB	SB	Total
12:00 AM		0	2	2
01:00		0	0	0
02:00		0	3	3
03:00		1	0	1
04:00		1	0	1
05:00		0	2	2
06:00		1	0	1
07:00		<b>18</b>	20	38
08:00		18	<b>27</b>	45
09:00		11	23	34
10:00		11	15	26
11:00		9	20	29
12:00 PM		10	21	31
01:00		12	19	31
02:00		11	22	33
03:00		13	<b>38</b>	51
04:00		10	29	39
05:00		<b>19</b>	35	54
06:00		18	16	34
07:00		7	10	17
08:00		1	14	15
09:00		5	6	11
10:00		4	13	17
11:00		1	3	4
Total		181	338	519
Percent		34.9%	65.1%	
AM Peak		07:00	08:00	08:00
Vol.		18	27	45
PM Peak		17:00	15:00	17:00
Vol.		19	38	54
Grand Total		181	338	519
Percent		34.9%	65.1%	
ADT		ADT 519		AADT 519

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-13

South Gill Street  
 Btw Prospect Ave. and Fairmount Ave.

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/13/10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7-16	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4	19-28	4
06:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
07:00	2	0	6	2	0	0	0	0	0	0	0	0	0	0	10	18-27	8
08:00	6	2	6	2	0	0	0	0	0	0	0	0	0	0	16	18-27	10
09:00	0	3	8	3	0	0	0	0	0	0	0	0	0	0	14	18-27	13
10:00	0	2	6	2	0	0	0	0	0	0	0	0	0	0	10	18-27	10
11:00	4	3	5	1	0	0	0	0	0	0	0	0	0	0	13	17-26	9
12 PM	2	2	9	1	0	0	0	0	0	0	0	0	0	0	14	17-26	12
13:00	0	3	1	3	0	0	0	0	0	0	0	0	0	0	7	16-25	4
14:00	2	4	5	3	0	0	0	0	0	0	0	0	0	0	14	17-26	10
15:00	4	4	6	1	0	0	0	0	0	0	0	0	0	0	15	17-26	11
16:00	0	5	4	2	1	0	0	0	0	0	0	0	0	0	12	15-24	9
17:00	1	4	12	2	1	0	0	0	0	0	0	0	0	0	20	17-26	17
18:00	2	2	10	3	0	0	0	0	0	0	0	0	0	0	17	19-28	15
19:00	3	2	6	4	0	0	0	0	0	0	0	0	0	0	15	19-28	11
20:00	0	1	8	1	1	0	0	0	0	0	0	0	0	0	11	16-25	9
21:00	0	2	4	3	1	0	0	0	0	0	0	0	0	0	10	19-28	9
22:00	0	3	3	3	0	0	0	0	0	0	0	0	0	0	9	18-27	8
23:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	*	1
<b>Total</b>	<b>27</b>	<b>43</b>	<b>102</b>	<b>39</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>215</b>		
Percent	12.6%	20.0%	47.4%	18.1%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	09:00	05:00												08:00	
Vol.	6	3	8	3												16	
PM Peak	15:00	16:00	17:00	19:00	16:00											17:00	
Vol.	4	5	12	4	1											20	
<b>Total</b>	<b>27</b>	<b>43</b>	<b>102</b>	<b>39</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>215</b>		
Percent	12.6%	20.0%	47.4%	18.1%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 16 MPH  
 50th Percentile : 22 MPH  
 85th Percentile : 27 MPH  
 95th Percentile : 29 MPH

Stats  
 10 MPH Pace Speed : 16-25 MPH  
 Number in Pace : 145  
 Percent in Pace : 67.4%  
 Number of Vehicles > 25 MPH : 43  
 Percent of Vehicles > 25 MPH : 20.0%  
 Mean Speed(Average) : 21 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-13

South Gill Street  
 Btw Prospect Ave. and Fairmount Ave.

Start Time	13-Apr-10 Tue	NB	SB	Total
12:00 AM		0	1	1
01:00		0	0	0
02:00		0	0	0
03:00		0	0	0
04:00		0	0	0
05:00		0	4	4
06:00		0	1	1
07:00		5	5	10
08:00		<b>8</b>	8	<b>16</b>
09:00		5	<b>9</b>	14
10:00		6	4	10
11:00		5	8	13
12:00 PM		8	6	14
01:00		3	4	7
02:00		8	6	14
03:00		8	7	15
04:00		5	7	12
05:00		12	<b>8</b>	<b>20</b>
06:00		<b>13</b>	4	17
07:00		9	6	15
08:00		6	5	11
09:00		5	5	10
10:00		6	3	9
11:00		1	1	2
<b>Total</b>		<b>113</b>	<b>102</b>	<b>215</b>
<b>Percent</b>		<b>52.6%</b>	<b>47.4%</b>	
AM Peak		08:00	09:00	08:00
Vol.		8	9	16
PM Peak		18:00	17:00	17:00
Vol.		13	8	20
<b>Grand Total</b>		<b>113</b>	<b>102</b>	<b>215</b>
<b>Percent</b>		<b>52.6%</b>	<b>47.4%</b>	
<b>ADT</b>		<b>ADT 215</b>		<b>AADT 215</b>

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-14

South Gill Street  
 Btw. Fairmount Ave. and W. Foster Ave.

SB, NB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/13/10	1	2	3	0	0	0	0	0	0	0	0	0	0	0	6	14-23	6
01:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	14-23	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	18-27	2
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7-16	1
05:00	3	0	2	1	0	0	0	0	0	0	0	0	0	0	6	*	3
06:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	4	*	2
07:00	2	2	6	1	0	0	0	0	0	0	0	0	0	0	11	17-26	9
08:00	6	1	7	3	1	0	0	0	0	0	0	0	0	0	18	19-28	11
09:00	4	4	7	0	1	0	0	0	0	0	0	0	0	0	16	13-22	11
10:00	3	2	8	1	0	0	0	0	0	0	0	0	0	0	14	17-26	11
11:00	14	3	3	1	0	0	0	0	0	0	0	0	0	0	21	1-10	10
12 PM	4	1	6	1	2	0	0	0	0	0	0	0	0	0	14	16-25	7
13:00	1	0	1	2	0	0	0	0	0	0	0	0	0	0	4	18-27	3
14:00	4	0	10	3	0	0	0	0	0	0	0	0	0	0	17	19-28	13
15:00	3	6	6	4	2	0	0	0	0	0	0	0	0	0	21	13-22	12
16:00	2	1	8	4	1	0	0	0	0	0	0	0	0	0	16	20-29	13
17:00	10	8	12	7	1	0	0	0	0	0	0	0	0	0	38	18-27	22
18:00	6	2	8	6	2	0	0	0	0	0	0	0	0	0	24	19-28	14
19:00	5	2	6	4	0	0	0	0	0	0	0	0	0	0	17	19-28	11
20:00	2	1	6	4	0	0	0	0	0	0	0	0	0	0	13	20-29	11
21:00	9	1	6	3	0	0	0	0	0	0	0	0	0	0	19	19-28	10
22:00	8	2	1	2	0	1	0	0	0	0	0	0	0	0	14	*	8
23:00	0	2	1	1	0	0	0	0	0	0	0	0	0	0	4	16-25	3
<b>Total</b>	<b>89</b>	<b>41</b>	<b>112</b>	<b>50</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>303</b>		
Percent	29.4%	13.5%	37.0%	16.5%	3.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	09:00	10:00	08:00	08:00											11:00	
Vol.	14	4	8	3	1											21	
PM Peak	17:00	17:00	17:00	17:00	12:00	22:00										17:00	
Vol.	10	8	12	7	2	1										38	
<b>Total</b>	<b>89</b>	<b>41</b>	<b>112</b>	<b>50</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>303</b>		
Percent	29.4%	13.5%	37.0%	16.5%	3.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 8 MPH  
 50th Percentile : 21 MPH  
 85th Percentile : 27 MPH  
 95th Percentile : 30 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 162  
 Percent in Pace : 53.5%  
 Number of Vehicles > 25 MPH : 61  
 Percent of Vehicles > 25 MPH : 20.1%  
 Mean Speed(Average) : 19 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-14

South Gill Street  
 Btw. Fairmount Ave. and W. Foster Ave.

Start Time	13-Apr-10 Tue	SB	NB	Total
12:00 AM		3	3	6
01:00		1	2	3
02:00		0	0	0
03:00		0	2	2
04:00		0	1	1
05:00		5	1	6
06:00		1	3	4
07:00		2	9	11
08:00		3	<b>15</b>	18
09:00		7	9	16
10:00		3	11	14
11:00		<b>9</b>	12	<b>21</b>
12:00 PM		4	10	14
01:00		1	3	4
02:00		7	10	17
03:00		8	13	21
04:00		5	11	16
05:00		<b>14</b>	<b>24</b>	<b>38</b>
06:00		11	13	24
07:00		4	13	17
08:00		5	8	13
09:00		8	11	19
10:00		7	7	14
11:00		1	3	4
<b>Total</b>		109	194	303
<b>Percent</b>		36.0%	64.0%	
AM Peak		11:00	08:00	11:00
Vol.		9	15	21
PM Peak		17:00	17:00	17:00
Vol.		14	24	38
<b>Grand Total</b>		109	194	303
<b>Percent</b>		36.0%	64.0%	
<b>ADT</b>		ADT 303		AADT 303

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
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Speed Report

Site Code: 4-15

South Gill Street  
 Btw W. Foster Ave. and Beaver Ave.

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/13/10	2	3	4	0	2	0	0	0	0	0	0	0	0	0	11	14-23	8
01:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	*	1
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
05:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4	19-28	4
06:00	0	2	4	3	0	0	0	0	0	0	0	0	0	0	9	19-28	9
07:00	4	2	8	3	0	0	0	0	0	0	0	0	0	0	17	19-28	13
08:00	3	3	2	8	0	0	0	0	0	0	0	0	0	0	16	21-30	10
09:00	1	6	8	5	0	0	0	0	0	0	0	0	0	0	20	15-24	14
10:00	3	1	12	8	0	0	0	0	0	0	0	0	0	0	24	20-29	20
11:00	3	2	10	5	0	0	0	0	0	0	0	0	0	0	20	19-28	15
12 PM	2	5	8	5	0	0	0	0	0	0	0	0	0	0	20	14-23	13
13:00	2	5	8	4	1	0	0	0	0	0	0	0	0	0	20	14-23	13
14:00	2	7	11	1	1	0	0	0	0	0	0	0	0	0	22	16-25	18
15:00	11	3	9	10	1	0	0	0	0	0	0	0	0	0	34	21-30	19
16:00	4	2	8	9	0	0	0	0	0	0	0	0	0	0	23	20-29	17
17:00	7	15	18	8	4	0	0	0	0	0	0	0	0	0	52	16-25	33
18:00	0	3	10	12	0	0	0	0	0	0	0	0	0	0	25	21-30	22
19:00	4	5	10	9	2	0	0	0	0	0	0	0	0	0	30	20-29	19
20:00	3	3	10	8	0	0	0	0	0	0	0	0	0	0	24	19-28	18
21:00	8	7	7	5	0	0	0	0	0	0	0	0	0	0	27	16-25	14
22:00	1	4	6	2	1	0	0	0	0	0	0	0	0	0	14	17-26	11
23:00	0	3	1	1	0	0	0	0	0	0	0	0	0	0	5	16-25	4
<b>Total</b>	<b>62</b>	<b>81</b>	<b>155</b>	<b>111</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>421</b>		
<b>Percent</b>	<b>14.7%</b>	<b>19.2%</b>	<b>36.8%</b>	<b>26.4%</b>	<b>2.9%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
<b>AM Peak</b>	<b>07:00</b>	<b>09:00</b>	<b>10:00</b>	<b>08:00</b>	<b>00:00</b>											<b>10:00</b>	
<b>Vol.</b>	<b>4</b>	<b>6</b>	<b>12</b>	<b>8</b>	<b>2</b>											<b>24</b>	
<b>PM Peak</b>	<b>15:00</b>	<b>17:00</b>	<b>17:00</b>	<b>18:00</b>	<b>17:00</b>											<b>17:00</b>	
<b>Vol.</b>	<b>11</b>	<b>15</b>	<b>18</b>	<b>12</b>	<b>4</b>											<b>52</b>	
<b>Total</b>	<b>62</b>	<b>81</b>	<b>155</b>	<b>111</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>421</b>		
<b>Percent</b>	<b>14.7%</b>	<b>19.2%</b>	<b>36.8%</b>	<b>26.4%</b>	<b>2.9%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 16 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 28 MPH  
 95th Percentile : 30 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 266  
 Percent in Pace : 63.2%  
 Number of Vehicles > 25 MPH : 123  
 Percent of Vehicles > 25 MPH : 29.2%  
 Mean Speed(Average) : 21 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
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 www.sse-llc.com

Site Code: 4-15

South Gill Street  
 Btw W. Foster Ave. and Beaver Ave.

Start Time	13-Apr-10 Tue	NB	SB	Total
12:00 AM		4	7	11
01:00		2	0	2
02:00		1	0	1
03:00		0	0	0
04:00		1	0	1
05:00		0	4	4
06:00		3	6	9
07:00		13	4	17
08:00		<b>15</b>	1	16
09:00		7	<b>13</b>	20
10:00		15	9	<b>24</b>
11:00		8	12	20
12:00 PM		11	9	20
01:00		10	10	20
02:00		11	11	22
03:00		18	16	34
04:00		14	9	23
05:00		<b>30</b>	<b>22</b>	<b>52</b>
06:00		13	12	25
07:00		18	12	30
08:00		11	13	24
09:00		11	16	27
10:00		7	7	14
11:00		2	3	5
Total		225	196	421
Percent		53.4%	46.6%	
AM Peak		08:00	09:00	10:00
Vol.		15	13	24
PM Peak		17:00	17:00	17:00
Vol.		30	22	52
Grand Total		225	196	421
Percent		53.4%	46.6%	
ADT		ADT 421		AADT 421

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-16

South Sparks Street  
 Btw Westerly Parkway and Fairmount Ave.

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/15/10	0	1	1	1	2	4	2	0	0	0	0	0	0	0	11	33-42	8
01:00	0	0	0	4	2	0	0	0	0	0	0	0	0	0	6	23-32	6
02:00	0	0	3	2	2	0	0	0	0	0	0	0	0	0	7	21-30	5
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	1	0	0	1	0	0	1	0	0	0	0	0	0	0	3	*	1
05:00	1	0	1	2	2	0	0	0	0	0	0	0	0	0	6	23-32	5
06:00	0	1	2	12	3	1	0	0	0	0	0	0	0	0	19	24-33	17
07:00	1	2	32	27	19	4	1	0	27	0	0	0	0	0	86	21-30	59
08:00	6	3	15	30	14	8	0	0	0	0	0	0	0	0	76	21-30	45
09:00	2	0	8	20	21	1	0	0	0	0	0	0	0	0	52	26-35	41
10:00	1	5	10	20	16	4	0	0	0	0	0	0	0	0	56	26-35	36
11:00	6	7	15	25	19	3	1	0	0	0	0	0	0	0	76	25-34	44
12 PM	11	3	11	33	15	5	0	0	0	0	0	0	0	0	78	25-34	48
13:00	5	1	19	28	16	3	0	0	0	0	0	0	0	0	72	22-31	48
14:00	8	9	19	27	18	3	0	0	0	0	0	0	0	0	84	22-31	47
15:00	6	9	25	51	26	5	1	0	0	0	0	0	0	0	123	22-31	77
16:00	5	1	13	46	21	5	0	0	0	0	0	0	0	0	91	26-35	67
17:00	9	10	28	58	33	6	2	0	0	1	0	0	0	0	147	24-33	91
18:00	7	7	23	44	31	8	1	0	0	0	0	0	0	0	121	26-35	75
19:00	2	6	18	29	23	5	2	0	0	0	0	0	0	0	85	24-33	52
20:00	2	5	19	27	14	3	0	0	0	0	0	0	0	0	70	21-30	46
21:00	3	7	9	13	8	2	0	0	0	0	0	0	0	0	42	22-31	23
22:00	0	0	6	16	6	5	0	0	0	0	0	0	0	0	33	22-31	23
23:00	0	0	6	9	8	2	0	0	0	0	0	0	0	0	25	24-33	18
<b>Total</b>	<b>76</b>	<b>77</b>	<b>283</b>	<b>525</b>	<b>319</b>	<b>77</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1369</b>		
Percent	5.6%	5.6%	20.7%	38.3%	23.3%	5.6%	0.8%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	11:00	07:00	08:00	09:00	08:00	00:00									07:00	
Vol.	6	7	32	30	21	8	2									86	
PM Peak	12:00	17:00	17:00	17:00	17:00	18:00	17:00			17:00						17:00	
Vol.	11	10	28	58	33	8	2			1						147	
<b>Total</b>	<b>76</b>	<b>77</b>	<b>283</b>	<b>525</b>	<b>319</b>	<b>77</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1369</b>		
Percent	5.6%	5.6%	20.7%	38.3%	23.3%	5.6%	0.8%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 21 MPH  
 50th Percentile : 28 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 37 MPH

Stats  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 844  
 Percent in Pace : 61.7%  
 Number of Vehicles > 25 MPH : 933  
 Percent of Vehicles > 25 MPH : 68.2%  
 Mean Speed(Average) : 27 MPH



# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
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Site Code: 4-16

South Sparks Street  
 Btw Westerly Parkway and Fairmount Ave.

Start Time	15-Apr-10 Thu	NB	SB	Total
12:00 AM		5	6	11
01:00		3	3	6
02:00		2	5	7
03:00		0	0	0
04:00		2	1	3
05:00		3	3	6
06:00		9	10	19
07:00		45	<b>41</b>	<b>86</b>
08:00		<b>48</b>	28	76
09:00		29	23	52
10:00		27	29	56
11:00		38	38	76
12:00 PM		30	48	78
01:00		38	34	72
02:00		40	44	84
03:00		<b>61</b>	62	123
04:00		41	50	91
05:00		51	<b>96</b>	<b>147</b>
06:00		58	63	121
07:00		44	41	85
08:00		36	34	70
09:00		24	18	42
10:00		12	21	33
11:00		9	16	25
<b>Total</b>		655	714	1369
<b>Percent</b>		47.8%	52.2%	
AM Peak	08:00		07:00	07:00
Vol.		48	41	86
PM Peak	15:00		17:00	17:00
Vol.		61	96	147
<b>Grand Total</b>		655	714	1369
<b>Percent</b>		47.8%	52.2%	
<b>ADT</b>		ADT 1,369		AADT 1,369

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-17

South Sparks Street  
 Btw Fairmount Ave. and Beaver Ave.

SB, NB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/20/10	0	0	1	4	4	1	0	0	0	0	0	0	0	0	10	25-34	9
01:00	1	0	2	7	3	0	0	0	0	0	0	0	0	0	13	24-33	12
02:00	0	0	3	3	1	0	0	0	0	0	0	0	0	0	7	22-31	7
03:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	19-28	3
04:00	1	1	1	0	0	0	1	0	0	0	0	0	0	0	4	12-21	3
05:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
06:00	0	0	2	8	9	1	1	0	0	0	0	0	0	0	21	25-34	17
07:00	7	2	11	33	36	9	0	1	0	0	0	0	0	0	99	26-35	69
08:00	2	0	11	34	39	12	2	0	0	0	0	0	0	0	100	26-35	73
09:00	1	3	11	26	34	4	1	0	0	0	0	0	0	0	80	26-35	60
10:00	2	2	7	28	20	8	1	0	0	0	0	0	0	0	68	26-35	48
11:00	2	3	10	22	17	10	1	0	0	0	0	0	0	0	65	26-35	39
12 PM	0	2	9	41	7	11	0	0	0	0	0	0	0	0	70	21-30	50
13:00	3	2	4	29	28	7	3	0	0	0	0	0	0	0	76	26-35	57
14:00	1	5	16	39	27	12	0	0	0	0	0	0	0	0	100	26-35	66
15:00	1	2	13	40	32	11	0	0	0	0	0	0	0	0	99	26-35	72
16:00	3	4	10	44	39	12	0	0	0	0	0	0	0	0	112	26-35	83
17:00	3	3	20	63	31	11	0	0	0	0	0	0	0	0	131	26-35	94
18:00	1	2	13	44	26	5	0	0	0	0	0	0	0	0	91	26-35	70
19:00	1	1	11	26	26	15	1	1	0	0	0	0	0	0	82	26-35	52
20:00	0	1	12	19	18	5	1	1	0	0	0	0	0	0	57	24-33	37
21:00	0	0	9	24	17	4	1	0	0	0	0	0	0	0	55	26-35	41
22:00	0	0	6	17	11	6	1	0	0	0	0	0	0	0	41	25-34	28
23:00	3	2	8	12	6	3	0	0	0	0	0	0	0	0	34	22-31	21
<b>Total</b>	<b>32</b>	<b>35</b>	<b>191</b>	<b>567</b>	<b>431</b>	<b>147</b>	<b>14</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1420</b>		
Percent	2.3%	2.5%	13.5%	39.9%	30.4%	10.4%	1.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	09:00	07:00	08:00	08:00	08:00	08:00	07:00								08:00	
Vol.	7	3	11	34	39	12	2	1								100	
PM Peak	13:00	14:00	17:00	17:00	16:00	19:00	13:00	19:00								17:00	
Vol.	3	5	20	63	39	15	3	1								131	
<b>Total</b>	<b>32</b>	<b>35</b>	<b>191</b>	<b>567</b>	<b>431</b>	<b>147</b>	<b>14</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1420</b>		
Percent	2.3%	2.5%	13.5%	39.9%	30.4%	10.4%	1.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 24 MPH  
 50th Percentile : 29 MPH  
 85th Percentile : 35 MPH  
 95th Percentile : 39 MPH

Stats  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 998  
 Percent in Pace : 70.3%  
 Number of Vehicles > 25 MPH : 1162  
 Percent of Vehicles > 25 MPH : 81.8%  
 Mean Speed(Average) : 29 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-17

South Sparks Street  
 Btw Fairmount Ave. and Beaver Ave.

Start Time	20-Apr-10 Tue	SB	NB	Total
12:00 AM		5	5	10
01:00		8	5	13
02:00		4	3	7
03:00		0	3	3
04:00		3	1	4
05:00		1	1	2
06:00		7	14	21
07:00		35	<b>64</b>	99
08:00		<b>36</b>	64	<b>100</b>
09:00		29	51	80
10:00		27	41	68
11:00		27	38	65
12:00 PM		29	41	70
01:00		28	48	76
02:00		47	53	100
03:00		44	55	99
04:00		49	63	112
05:00		<b>58</b>	<b>73</b>	<b>131</b>
06:00		43	48	91
07:00		29	53	82
08:00		24	33	57
09:00		24	31	55
10:00		20	21	41
11:00		24	10	34
Total		601	819	1420
Percent		42.3%	57.7%	
AM Peak		08:00	07:00	08:00
Vol.		36	64	100
PM Peak		17:00	17:00	17:00
Vol.		58	73	131
Grand Total		601	819	1420
Percent		42.3%	57.7%	
ADT		ADT 1,420	AADT 1,420	

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-18

West Fairmount Avenue  
 Btw Westerly Parkway and S. Buckhout St.

WB, EB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/15/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	1	0	3	3	1	0	0	0	0	0	0	0	0	0	8	22-31	7
02:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	18-27	2
03:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	18-27	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3	17-26	3
06:00	0	0	1	2	2	1	0	0	0	0	0	0	0	0	6	23-32	5
07:00	1	5	<b>28</b>	25	6	<b>2</b>	0	0	0	0	0	0	0	0	67	21-30	53
08:00	1	<b>7</b>	24	<b>31</b>	<b>8</b>	0	0	0	0	0	0	0	0	0	<b>71</b>	21-30	55
09:00	1	2	14	18	6	0	0	0	0	0	0	0	0	0	41	21-30	32
10:00	0	3	8	17	5	1	0	0	0	0	0	0	0	0	34	21-30	25
11:00	<b>3</b>	<b>7</b>	22	17	5	0	0	0	0	0	0	0	0	0	54	21-30	39
12 PM	2	4	19	<b>27</b>	5	0	0	0	0	0	0	0	0	0	57	21-30	46
13:00	3	5	11	13	<b>6</b>	0	0	0	0	0	0	0	0	0	38	21-30	24
14:00	1	7	25	23	0	0	0	0	0	0	0	0	0	0	56	21-30	48
15:00	0	<b>9</b>	26	22	5	0	0	0	0	0	0	0	0	0	62	21-30	48
16:00	1	3	19	21	4	0	0	0	0	0	0	0	0	0	48	21-30	40
17:00	0	7	<b>29</b>	23	5	0	0	0	0	0	0	0	0	0	<b>64</b>	21-30	52
18:00	1	4	24	18	2	0	0	0	0	0	0	0	0	0	49	21-30	42
19:00	<b>5</b>	7	18	17	3	0	0	0	0	0	0	0	0	0	50	21-30	35
20:00	5	1	15	16	2	0	0	0	0	0	0	0	0	0	39	21-30	31
21:00	0	1	8	5	1	0	0	0	0	0	0	0	0	0	15	20-29	13
22:00	0	3	5	7	0	<b>1</b>	0	0	0	0	0	0	0	0	16	18-27	12
23:00	0	1	6	3	0	0	0	0	0	0	0	0	0	0	10	19-28	10
<b>Total</b>	<b>25</b>	<b>77</b>	<b>306</b>	<b>313</b>	<b>66</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>792</b>		
Percent	3.2%	9.7%	38.6%	39.5%	8.3%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	08:00	07:00	08:00	08:00	07:00										08:00	
Vol.	3	7	28	31	8	2										71	
PM Peak	19:00	15:00	17:00	12:00	13:00	22:00										17:00	
Vol.	5	9	29	27	6	1										64	
<b>Total</b>	<b>25</b>	<b>77</b>	<b>306</b>	<b>313</b>	<b>66</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>792</b>		
Percent	3.2%	9.7%	38.6%	39.5%	8.3%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 21 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 33 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 619  
 Percent in Pace : 78.2%  
 Number of Vehicles > 25 MPH : 384  
 Percent of Vehicles > 25 MPH : 48.5%  
 Mean Speed(Average) : 25 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-18

West Fairmount Avenue  
 Btw Westerly Parkway and S. Buckhout St.

Start Time	15-Apr-10 Thu	WB	EB	Total
12:00 AM		0	0	0
01:00		6	2	8
02:00		2	0	2
03:00		2	0	2
04:00		0	0	0
05:00		1	2	3
06:00		3	3	6
07:00		16	<b>51</b>	67
08:00		21	50	<b>71</b>
09:00		11	30	41
10:00		15	19	34
11:00		<b>22</b>	32	54
12:00 PM		31	26	57
01:00		17	21	38
02:00		32	24	56
03:00		33	<b>29</b>	62
04:00		29	19	48
05:00		<b>41</b>	23	<b>64</b>
06:00		30	19	49
07:00		23	27	50
08:00		25	14	39
09:00		8	7	15
10:00		9	7	16
11:00		5	5	10
Total		382	410	792
Percent		48.2%	51.8%	
AM Peak		11:00	07:00	08:00
Vol.		22	51	71
PM Peak		17:00	15:00	17:00
Vol.		41	29	64
Grand Total		382	410	792
Percent		48.2%	51.8%	
ADT		ADT 792		AADT 792

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-19

W. Fairmount Avenue  
 Btw S. Buckhout St. and S. Sparks St.

WB, EB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/15/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	1	0	0	3	0	0	0	0	0	0	0	0	0	0	4	19-28	3
02:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	12-21	2
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7-16	1
04:00	2	0	0	1	0	0	0	0	0	0	0	0	0	0	3	*	2
05:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
06:00	1	0	4	0	0	1	0	0	0	0	0	0	0	0	6	15-24	4
07:00	11	5	17	23	7	1	0	0	0	0	0	0	0	0	64	21-30	40
08:00	10	17	17	25	11	0	0	0	0	0	0	0	0	0	80	21-30	42
09:00	9	9	6	15	7	1	0	0	0	0	0	0	0	0	47	23-32	23
10:00	2	2	3	12	7	1	0	0	0	0	0	0	0	0	27	23-32	19
11:00	11	7	13	12	3	0	0	0	0	0	0	0	0	0	46	19-28	25
12 PM	12	3	14	20	6	1	0	0	0	0	0	0	0	0	56	21-30	34
13:00	3	9	9	14	5	2	0	0	0	0	0	0	0	0	42	20-29	23
14:00	9	16	15	12	1	0	0	0	0	0	0	0	0	0	53	16-25	31
15:00	5	11	21	19	1	1	0	0	0	0	0	0	0	0	58	20-29	40
16:00	6	6	6	10	2	1	0	0	0	0	0	0	0	0	31	20-29	16
17:00	6	15	11	27	3	0	0	0	0	0	0	0	0	0	62	21-30	38
18:00	7	7	17	13	2	2	0	0	0	0	0	0	0	0	48	19-28	30
19:00	9	9	8	11	4	2	0	0	0	0	0	0	0	0	43	21-30	19
20:00	4	4	13	10	0	0	0	0	0	0	0	0	0	0	31	21-30	23
21:00	4	1	3	7	0	0	0	0	0	0	0	0	0	0	15	20-29	10
22:00	2	2	1	6	1	0	0	0	0	0	0	0	0	0	12	22-31	8
23:00	0	2	4	2	0	0	0	0	0	0	0	0	0	0	8	18-27	8
<b>Total</b>	114	127	184	243	60	13	0	0	0	0	0	0	0	0	741		
<b>Percent</b>	15.4%	17.1%	24.8%	32.8%	8.1%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
<b>AM Peak</b>	07:00	08:00	07:00	08:00	08:00	06:00										08:00	
<b>Vol.</b>	11	17	17	25	11	1										80	
<b>PM Peak</b>	12:00	14:00	15:00	17:00	12:00	13:00										17:00	
<b>Vol.</b>	12	16	21	27	6	2										62	
<b>Total</b>	114	127	184	243	60	13	0	0	0	0	0	0	0	0	741		
<b>Percent</b>	15.4%	17.1%	24.8%	32.8%	8.1%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 15 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 33 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 427  
 Percent in Pace : 57.6%  
 Number of Vehicles > 25 MPH : 316  
 Percent of Vehicles > 25 MPH : 42.6%  
 Mean Speed(Average) : 23 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-19

W. Fairmount Avenue  
 Btw S. Buckhout St. and S. Sparks St.

Start Time	15-Apr-10 Thu	WB	EB	Total
12:00 AM		0	0	0
01:00		3	1	4
02:00		2	0	2
03:00		1	0	1
04:00		2	1	3
05:00		0	2	2
06:00		2	4	6
07:00		13	51	64
08:00		<b>20</b>	<b>60</b>	<b>80</b>
09:00		14	33	47
10:00		9	18	27
11:00		15	31	46
12:00 PM		20	<b>36</b>	56
01:00		17	25	42
02:00		26	27	53
03:00		22	36	58
04:00		13	18	31
05:00		<b>30</b>	32	<b>62</b>
06:00		23	25	48
07:00		18	25	43
08:00		20	11	31
09:00		7	8	15
10:00		4	8	12
11:00		3	5	8
<b>Total</b>		284	457	741
<b>Percent</b>		38.3%	61.7%	
AM Peak		08:00	08:00	08:00
Vol.		20	60	80
PM Peak		17:00	12:00	17:00
Vol.		30	36	62
<b>Grand Total</b>		284	457	741
<b>Percent</b>		38.3%	61.7%	
<b>ADT</b>		ADT 741		AADT 741

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-20

West Fairmount Avenue  
 Btw S. Sparks St. and Atherton St.

EB, WB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/20/10	0	0	3	3	0	0	0	0	0	0	0	0	0	0	6	19-28	6
01:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	22-31	2
02:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3	17-26	3
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	17-26	2
05:00	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	*	4
06:00	2	0	1	1	0	1	0	0	0	0	0	0	0	0	5	*	2
07:00	0	0	3	10	6	2	0	0	0	0	0	0	0	0	21	23-32	16
08:00	7	2	4	17	6	1	0	0	0	0	0	0	0	0	37	22-31	23
09:00	4	1	3	10	5	1	0	0	0	0	0	0	0	0	24	23-32	15
10:00	2	1	2	7	2	2	0	0	0	0	0	0	0	0	16	20-29	9
11:00	2	1	6	12	1	1	0	0	0	0	0	0	0	0	23	21-30	18
12 PM	7	2	6	5	1	0	0	0	0	0	0	0	0	0	21	19-28	11
13:00	2	5	4	5	5	0	0	0	0	0	0	0	0	0	21	22-31	10
14:00	1	0	6	17	4	2	0	0	0	0	0	0	0	0	30	21-30	23
15:00	3	3	8	10	3	1	1	0	0	0	0	0	0	0	29	21-30	18
16:00	1	2	6	6	0	0	0	0	0	0	0	0	0	0	15	19-28	12
17:00	3	0	8	17	4	2	0	0	0	0	0	0	0	0	34	21-30	25
18:00	0	4	7	9	4	2	0	0	0	0	0	0	0	0	26	20-29	16
19:00	9	1	6	10	4	1	0	0	0	0	0	0	0	0	31	21-30	16
20:00	2	1	2	8	1	0	0	0	0	0	0	0	0	0	14	22-31	11
21:00	3	1	2	10	3	0	0	0	0	0	0	0	0	0	19	24-33	15
22:00	0	0	4	3	2	0	0	0	0	0	0	0	0	0	9	19-28	7
23:00	0	0	1	3	0	1	0	0	0	0	0	0	0	0	5	19-28	4
<b>Total</b>	<b>52</b>	<b>24</b>	<b>85</b>	<b>167</b>	<b>52</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>398</b>		
Percent	13.1%	6.0%	21.4%	42.0%	13.1%	4.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	11:00	08:00	07:00	07:00										08:00	
Vol.	7	2	6	17	6	2										37	
PM Peak	19:00	13:00	15:00	14:00	13:00	14:00	15:00									17:00	
Vol.	9	5	8	17	5	2	1									34	
<b>Total</b>	<b>52</b>	<b>24</b>	<b>85</b>	<b>167</b>	<b>52</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>398</b>		
Percent	13.1%	6.0%	21.4%	42.0%	13.1%	4.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 17 MPH  
 50th Percentile : 27 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 35 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 252  
 Percent in Pace : 63.3%  
 Number of Vehicles > 25 MPH : 237  
 Percent of Vehicles > 25 MPH : 59.5%  
 Mean Speed(Average) : 25 MPH



# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-20

West Fairmount Avenue  
 Btw S. Sparks St. and Atherton St.

Start Time	20-Apr-10 Tue	EB	WB	Total
12:00 AM		3	3	6
01:00		1	1	2
02:00		3	0	3
03:00		1	0	1
04:00		2	0	2
05:00		2	2	4
06:00		3	2	5
07:00		17	4	21
08:00		<b>23</b>	<b>14</b>	<b>37</b>
09:00		17	7	24
10:00		8	8	16
11:00		12	11	23
12:00 PM		6	15	21
01:00		14	7	21
02:00		15	15	30
03:00		17	12	29
04:00		8	7	15
05:00		15	<b>19</b>	<b>34</b>
06:00		10	16	26
07:00		<b>21</b>	10	31
08:00		10	4	14
09:00		7	12	19
10:00		4	5	9
11:00		2	3	5
<b>Total</b>		<b>221</b>	<b>177</b>	<b>398</b>
<b>Percent</b>		<b>55.5%</b>	<b>44.5%</b>	
AM Peak		08:00	08:00	08:00
Vol.		23	14	37
PM Peak		19:00	17:00	17:00
Vol.		21	19	34
<b>Grand Total</b>		<b>221</b>	<b>177</b>	<b>398</b>
<b>Percent</b>		<b>55.5%</b>	<b>44.5%</b>	
<b>ADT</b>		<b>ADT 398</b>		<b>AADT 398</b>

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 4-21

West Foster Avenue  
 Btw S. Buckhout St. and S. Sparks St.

EB, WB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/20/10	2	0	0	0	0	1	0	0	0	0	0	0	0	0	3	*	2
01:00	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3	13-22	2
02:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	12-21	2
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7-16	1
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
06:00	2	0	4	0	0	0	0	0	0	0	0	0	0	0	6	15-24	4
07:00	5	3	6	9	2	0	0	0	0	0	0	0	0	0	25	20-29	15
08:00	3	2	8	9	0	0	0	0	0	0	0	0	0	0	22	20-29	17
09:00	4	1	8	6	0	0	0	0	0	0	0	0	0	0	19	20-29	14
10:00	2	0	10	8	1	0	0	0	0	0	0	0	0	0	21	21-30	18
11:00	1	5	7	7	0	0	0	0	0	0	0	0	0	0	20	18-27	14
12 PM	3	2	10	7	2	0	0	0	0	0	0	0	0	0	24	19-28	17
13:00	2	2	13	10	0	0	0	0	0	0	0	0	0	0	27	21-30	23
14:00	2	3	14	11	0	0	0	0	0	0	0	0	0	0	30	21-30	25
15:00	2	2	8	6	0	0	0	0	0	0	0	0	0	0	18	19-28	14
16:00	3	3	9	6	1	0	0	0	0	0	0	0	0	0	22	18-27	15
17:00	3	4	16	5	2	0	0	0	0	0	0	0	0	0	30	17-26	21
18:00	4	7	9	6	0	0	0	0	0	0	0	0	0	0	26	17-26	17
19:00	1	2	5	2	0	0	0	0	0	0	0	0	0	0	10	18-27	9
20:00	0	3	9	4	0	0	0	0	0	0	0	0	0	0	16	18-27	14
21:00	6	0	2	2	0	0	0	0	0	0	0	0	0	0	10	*	6
22:00	0	1	2	3	0	0	0	0	0	0	0	0	0	0	6	19-28	6
23:00	0	1	0	3	1	0	0	0	0	0	0	0	0	0	5	22-31	4
<b>Total</b>	<b>45</b>	<b>43</b>	<b>144</b>	<b>105</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>348</b>		
Percent	12.9%	12.4%	41.4%	30.2%	2.9%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	11:00	10:00	07:00	07:00	00:00										07:00	
Vol.	5	5	10	9	2	1										25	
PM Peak	21:00	18:00	17:00	14:00	12:00											14:00	
Vol.	6	7	16	11	2											30	
<b>Total</b>	<b>45</b>	<b>43</b>	<b>144</b>	<b>105</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>348</b>		
Percent	12.9%	12.4%	41.4%	30.2%	2.9%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 16 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 30 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 249  
 Percent in Pace : 71.6%  
 Number of Vehicles > 25 MPH : 116  
 Percent of Vehicles > 25 MPH : 33.3%  
 Mean Speed(Average) : 22 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-21

West Foster Avenue  
 Btw S. Buckhout St. and S. Sparks St.

Start Time	20-Apr-10 Tue	EB	WB	Total
12:00 AM		1	2	3
01:00		0	3	3
02:00		2	0	2
03:00		0	1	1
04:00		1	0	1
05:00		0	1	1
06:00		3	3	6
07:00		<b>19</b>	6	<b>25</b>
08:00		12	10	22
09:00		12	7	19
10:00		10	<b>11</b>	21
11:00		13	7	20
12:00 PM		<b>19</b>	5	24
01:00		13	14	27
02:00		11	<b>19</b>	<b>30</b>
03:00		11	7	18
04:00		10	12	22
05:00		18	12	30
06:00		14	12	26
07:00		6	4	10
08:00		7	9	16
09:00		3	7	10
10:00		2	4	6
11:00		3	2	5
<b>Total</b>		190	158	348
<b>Percent</b>		54.6%	45.4%	
<b>AM Peak</b>		07:00	10:00	07:00
Vol.		19	11	25
<b>PM Peak</b>		12:00	14:00	14:00
Vol.		19	19	30
<b>Grand Total</b>		190	158	348
<b>Percent</b>		54.6%	45.4%	
ADT		ADT 348		AADT 348

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
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Speed Report

Site Code: 4-22

West Foster Avenue  
 Btw S. Sparks St. and Atherton St.

EB, WB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/20/10	0	1	0	2	0	0	0	1	0	0	0	0	0	0	4	18-27	2
01:00	4	1	0	0	0	0	0	1	0	0	0	0	0	0	6	*	4
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
04:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	3
05:00	1	0	1	0	1	0	0	0	0	0	0	0	0	0	3	*	1
06:00	3	1	1	3	0	0	0	0	0	0	0	0	0	0	8	19-28	5
07:00	<b>26</b>	1	5	<b>10</b>	4	1	0	0	0	0	0	0	0	0	<b>47</b>	1-10	20
08:00	16	<b>5</b>	<b>10</b>	10	3	<b>2</b>	0	0	0	0	0	0	0	0	46	21-30	20
09:00	9	3	5	8	2	0	0	0	0	0	0	0	0	0	27	19-28	13
10:00	3	2	5	6	4	0	0	0	0	0	0	0	0	0	20	19-28	11
11:00	15	2	9	2	4	0	0	0	0	0	0	0	0	0	32	15-24	11
12 PM	19	4	6	<b>15</b>	3	0	<b>1</b>	0	0	0	0	0	0	0	48	21-30	21
13:00	5	2	10	6	1	0	0	0	0	0	0	0	0	0	24	19-28	16
14:00	9	3	7	10	2	0	0	0	0	0	0	0	0	0	31	21-30	17
15:00	<b>22</b>	<b>9</b>	8	11	3	1	0	0	0	0	0	0	0	0	<b>54</b>	21-30	19
16:00	17	5	<b>14</b>	7	2	1	0	0	0	0	0	0	0	0	46	18-27	21
17:00	14	4	7	14	3	1	0	0	0	0	0	0	0	0	43	21-30	21
18:00	10	2	5	12	0	<b>2</b>	0	0	0	0	0	0	0	0	31	21-30	17
19:00	15	3	8	9	<b>4</b>	0	0	0	0	0	0	0	0	0	39	20-29	17
20:00	10	3	11	2	1	0	0	0	0	0	0	0	0	0	27	18-27	16
21:00	5	3	7	5	1	0	0	0	0	0	0	0	0	0	21	18-27	12
22:00	4	4	4	3	3	1	0	0	0	0	0	0	0	0	19	12-21	9
23:00	1	2	4	2	1	0	0	0	0	0	0	0	0	0	10	18-27	8
<b>Total</b>	<b>211</b>	<b>60</b>	<b>129</b>	<b>137</b>	<b>42</b>	<b>9</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>591</b>		
Percent	35.7%	10.2%	21.8%	23.2%	7.1%	1.5%	0.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	08:00	08:00	07:00	07:00	08:00		00:00								07:00	
Vol.	26	5	10	10	4	2		1								47	
PM Peak	15:00	15:00	16:00	12:00	19:00	18:00	12:00									15:00	
Vol.	22	9	14	15	4	2	1									54	
<b>Total</b>	<b>211</b>	<b>60</b>	<b>129</b>	<b>137</b>	<b>42</b>	<b>9</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>591</b>		
Percent	35.7%	10.2%	21.8%	23.2%	7.1%	1.5%	0.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 7 MPH  
 50th Percentile : 21 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 33 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 266  
 Percent in Pace : 45.0%  
 Number of Vehicles > 25 MPH : 191  
 Percent of Vehicles > 25 MPH : 32.3%  
 Mean Speed(Average) : 19 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
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Site Code: 4-22

West Foster Avenue  
 Btw S. Sparks St. and Atherton St.

Start Time	20-Apr-10 Tue	EB	WB	Total
12:00 AM		0	4	4
01:00		2	4	6
02:00		1	0	1
03:00		0	1	1
04:00		2	1	3
05:00		1	2	3
06:00		5	3	8
07:00		<b>34</b>	13	<b>47</b>
08:00		27	<b>19</b>	46
09:00		22	5	27
10:00		11	9	20
11:00		16	16	32
12:00 PM		26	22	48
01:00		15	9	24
02:00		15	16	31
03:00		<b>34</b>	20	<b>54</b>
04:00		23	<b>23</b>	46
05:00		26	17	43
06:00		16	15	31
07:00		23	16	39
08:00		12	15	27
09:00		11	10	21
10:00		11	8	19
11:00		4	6	10
<b>Total</b>		<b>337</b>	<b>254</b>	<b>591</b>
<b>Percent</b>		<b>57.0%</b>	<b>43.0%</b>	
AM Peak		07:00	08:00	07:00
Vol.		34	19	47
PM Peak		15:00	16:00	15:00
Vol.		34	23	54
<b>Grand Total</b>		<b>337</b>	<b>254</b>	<b>591</b>
<b>Percent</b>		<b>57.0%</b>	<b>43.0%</b>	
ADT		ADT 591		AADT 591

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
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Speed Report

Site Code: 4-23

West Hamilton Avenue  
 Btw Westerly Parkway and S. Sparks St.

EB, WB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/20/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	1	1	0	1	0	1	0	0	0	0	0	0	0	0	4	7-16	2
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-26	1
06:00	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3	17-26	2
07:00	<b>10</b>	<b>4</b>	<b>13</b>	<b>20</b>	13	<b>3</b>	0	0	0	0	0	0	0	0	<b>63</b>	23-32	35
08:00	7	2	4	18	<b>17</b>	0	0	0	0	0	0	0	0	0	48	26-35	35
09:00	1	0	9	8	6	0	0	0	0	0	0	0	0	0	24	21-30	17
10:00	0	0	6	4	3	1	0	0	0	0	0	0	0	0	14	20-29	10
11:00	5	1	3	11	3	2	0	0	0	0	0	0	0	0	25	23-32	16
12 PM	<b>3</b>	<b>2</b>	3	2	7	1	0	0	0	0	0	0	0	0	18	27-36	10
13:00	1	1	1	6	0	<b>2</b>	<b>1</b>	0	0	0	0	0	0	0	12	20-29	7
14:00	1	0	1	6	4	0	0	0	0	0	0	0	0	0	12	25-34	11
15:00	1	2	5	8	6	2	0	0	0	0	0	0	0	0	24	22-31	14
16:00	0	1	4	12	6	0	0	0	0	0	0	0	0	0	23	22-31	18
17:00	0	1	5	12	<b>9</b>	1	0	0	0	0	0	0	0	0	28	25-34	21
18:00	2	2	<b>6</b>	<b>15</b>	7	0	0	0	0	0	0	0	0	0	<b>32</b>	23-32	23
19:00	1	0	6	8	3	1	0	0	0	0	0	0	0	0	19	21-30	14
20:00	1	0	3	2	1	0	0	0	0	0	0	0	0	0	7	18-27	5
21:00	0	0	1	4	4	1	0	0	0	0	0	0	0	0	10	25-34	9
22:00	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4	22-31	4
23:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	18-27	2
<b>Total</b>	<b>34</b>	<b>17</b>	<b>71</b>	<b>144</b>	<b>90</b>	<b>16</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>373</b>		
Percent	9.1%	4.6%	19.0%	38.6%	24.1%	4.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	07:00	07:00	07:00	08:00	07:00									07:00		
Vol.	10	4	13	20	17	3									63		
PM Peak	12:00	12:00	18:00	18:00	17:00	13:00	13:00								18:00		
Vol.	3	2	6	15	9	2	1								32		
<b>Total</b>	<b>34</b>	<b>17</b>	<b>71</b>	<b>144</b>	<b>90</b>	<b>16</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>373</b>		
Percent	9.1%	4.6%	19.0%	38.6%	24.1%	4.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 21 MPH  
 50th Percentile : 28 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 35 MPH

Stats  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 234  
 Percent in Pace : 62.7%  
 Number of Vehicles > 25 MPH : 251  
 Percent of Vehicles > 25 MPH : 67.3%  
 Mean Speed(Average) : 26 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
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 www.sse-llc.com

Site Code: 4-23

West Hamilton Avenue  
 Btw Westerly Parkway and S. Sparks St.

Start Time	20-Apr-10 Tue	EB	WB	Total
12:00 AM		0	0	0
01:00		0	0	0
02:00		0	0	0
03:00		0	0	0
04:00		2	2	4
05:00		1	0	1
06:00		1	2	3
07:00		<b>41</b>	<b>22</b>	<b>63</b>
08:00		32	16	48
09:00		17	7	24
10:00		4	10	14
11:00		15	10	25
12:00 PM		10	8	18
01:00		7	5	12
02:00		6	6	12
03:00		15	9	24
04:00		12	11	23
05:00		15	13	28
06:00		<b>18</b>	<b>14</b>	<b>32</b>
07:00		13	6	19
08:00		5	2	7
09:00		3	7	10
10:00		0	4	4
11:00		0	2	2
Total		217	156	373
Percent		58.2%	41.8%	
AM Peak		07:00	07:00	07:00
Vol.		41	22	63
PM Peak		18:00	18:00	18:00
Vol.		18	14	32
Grand Total		217	156	373
Percent		58.2%	41.8%	
ADT		ADT 373	AADT 373	

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
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Speed Report

Site Code: 4-24

South Buckhout Street  
 Btw Beaver Ave. and Metz Ave.

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/29/10	0	0	0	5	3	0	0	0	0	0	0	0	0	0	8	24-33	8
01:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4	18-27	4
02:00	1	0	5	1	0	0	0	0	0	0	0	0	0	0	7	17-26	6
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-21	1
04:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	14-23	3
05:00	0	1	1	1	1	0	0	0	0	0	0	0	0	0	4	22-31	3
06:00	0	2	5	2	1	0	0	0	0	0	0	0	0	0	10	18-27	9
07:00	0	2	17	16	10	4	1	0	0	0	0	0	0	0	50	21-30	33
08:00	1	2	<b>18</b>	<b>19</b>	9	<b>5</b>	0	0	0	0	0	0	0	0	<b>54</b>	21-30	37
09:00	0	2	5	16	6	3	1	0	0	0	0	0	0	0	33	22-31	22
10:00	2	3	17	9	<b>11</b>	1	1	0	0	0	0	0	0	0	44	21-30	26
11:00	<b>5</b>	<b>4</b>	13	16	5	1	0	0	0	0	0	0	0	0	44	21-30	29
12 PM	3	3	8	27	17	<b>3</b>	<b>1</b>	0	0	0	0	0	0	0	<b>62</b>	26-35	44
13:00	1	2	12	11	16	0	0	0	0	0	0	0	0	0	42	26-35	27
14:00	0	3	8	15	14	3	0	0	0	0	0	0	0	0	43	25-34	29
15:00	1	3	<b>21</b>	18	9	3	0	0	0	0	0	0	0	0	55	21-30	39
16:00	2	0	16	19	<b>20</b>	2	0	0	0	0	0	0	0	0	59	25-34	39
17:00	0	3	5	<b>30</b>	14	2	0	0	0	0	0	0	0	0	54	26-35	44
18:00	3	0	9	15	10	3	0	0	0	0	0	0	0	0	40	22-31	25
19:00	0	2	11	16	9	2	0	0	0	0	0	0	0	0	40	21-30	27
20:00	1	3	13	10	10	0	1	0	0	0	0	0	0	0	38	21-30	23
21:00	0	<b>6</b>	13	7	3	1	0	0	0	0	0	0	0	0	30	18-27	21
22:00	<b>5</b>	1	13	6	1	2	0	0	0	0	0	0	0	0	28	20-29	19
23:00	1	2	9	4	1	0	0	0	0	0	0	0	0	0	17	19-28	14
<b>Total</b>	<b>26</b>	<b>44</b>	<b>225</b>	<b>265</b>	<b>170</b>	<b>35</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>770</b>		
Percent	3.4%	5.7%	29.2%	34.4%	22.1%	4.5%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	08:00	08:00	10:00	08:00	07:00								08:00		
Vol.	5	4	18	19	11	5	1								54		
PM Peak	22:00	21:00	15:00	17:00	16:00	12:00	12:00								12:00		
Vol.	5	6	21	30	20	3	1								62		
<b>Total</b>	<b>26</b>	<b>44</b>	<b>225</b>	<b>265</b>	<b>170</b>	<b>35</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>770</b>		
Percent	3.4%	5.7%	29.2%	34.4%	22.1%	4.5%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 21 MPH  
 50th Percentile : 27 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 36 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 490  
 Percent in Pace : 63.6%  
 Number of Vehicles > 25 MPH : 475  
 Percent of Vehicles > 25 MPH : 61.7%  
 Mean Speed(Average) : 27 MPH



# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 4-24

South Buckhout Street  
 Btw Beaver Ave. and Metz Ave.

Start Time	29-Apr-10 Thu	NB	SB	Total
12:00 AM		3	5	8
01:00		2	2	4
02:00		2	5	7
03:00		1	0	1
04:00		3	0	3
05:00		0	4	4
06:00		7	3	10
07:00		20	30	50
08:00		21	<b>33</b>	<b>54</b>
09:00		13	20	33
10:00		16	28	44
11:00		<b>23</b>	21	44
12:00 PM		17	<b>45</b>	<b>62</b>
01:00		17	25	42
02:00		14	29	43
03:00		<b>24</b>	31	55
04:00		14	45	59
05:00		17	37	54
06:00		7	33	40
07:00		15	25	40
08:00		11	27	38
09:00		12	18	30
10:00		13	15	28
11:00		7	10	17
<b>Total</b>		279	491	770
<b>Percent</b>		36.2%	63.8%	
AM Peak		11:00	08:00	08:00
Vol.		23	33	54
PM Peak		15:00	12:00	12:00
Vol.		24	45	62
<b>Grand Total</b>		279	491	770
<b>Percent</b>		36.2%	63.8%	
<b>ADT</b>		<b>ADT 770</b>		<b>AADT 770</b>

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 5-01

Barnard Street  
 Btw Beaver Ave. and W. College Ave.

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/22/10	4	3	12	7	1	0	0	0	0	0	0	0	0	0	27	18-27	19
01:00	2	7	12	4	0	0	0	0	0	0	0	0	0	0	25	16-25	19
02:00	1	0	7	4	1	0	0	0	0	0	0	0	0	0	13	20-29	11
03:00	1	1	5	2	0	0	0	0	0	0	0	0	0	0	9	18-27	8
04:00	2	3	5	0	0	0	0	0	0	0	0	0	0	0	10	14-23	8
05:00	1	5	2	1	0	0	0	0	0	0	0	0	0	0	9	13-22	8
06:00	2	5	10	7	0	0	0	0	0	0	0	0	0	0	24	18-27	17
07:00	2	10	37	16	0	0	0	0	0	0	0	0	0	0	65	21-30	53
08:00	6	13	31	8	0	0	0	0	0	0	0	0	0	0	58	16-25	44
09:00	27	19	34	10	0	0	0	0	0	0	0	0	0	0	90	16-25	53
10:00	15	23	42	15	0	0	0	0	0	0	0	0	0	0	95	16-25	65
11:00	15	34	53	16	0	0	0	0	0	0	0	0	0	0	118	16-25	87
12 PM	9	28	49	11	3	0	0	0	0	0	0	0	0	0	100	16-25	77
13:00	7	24	66	24	1	0	0	0	0	0	0	0	0	0	122	17-26	91
14:00	15	34	54	20	0	0	0	0	0	0	0	0	0	0	123	16-25	88
15:00	22	36	69	17	1	0	0	0	0	0	0	0	0	0	145	16-25	105
16:00	40	49	70	23	2	0	0	0	0	0	0	0	0	0	184	16-25	119
17:00	35	75	70	22	3	0	0	0	0	0	0	0	0	0	205	16-25	145
18:00	17	41	52	12	1	0	0	0	0	0	0	0	0	0	123	16-25	93
19:00	24	48	40	12	2	0	0	0	0	0	0	0	0	0	126	16-25	88
20:00	9	24	43	18	1	0	0	0	0	0	0	0	0	0	95	16-25	67
21:00	25	19	39	12	2	1	0	0	0	0	0	0	0	0	98	16-25	58
22:00	5	9	25	8	2	0	0	0	0	0	0	0	0	0	49	17-26	35
23:00	10	11	17	4	1	0	0	0	0	0	0	0	0	0	43	16-25	28
<b>Total</b>	<b>296</b>	<b>521</b>	<b>844</b>	<b>273</b>	<b>21</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1956</b>		
Percent	15.1%	26.6%	43.1%	14.0%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	11:00	11:00	07:00	00:00											11:00	
Vol.	27	34	53	16	1											118	
PM Peak	16:00	17:00	16:00	13:00	12:00	21:00										17:00	
Vol.	40	75	70	24	3	1										205	
<b>Total</b>	<b>296</b>	<b>521</b>	<b>844</b>	<b>273</b>	<b>21</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1956</b>		
Percent	15.1%	26.6%	43.1%	14.0%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 15 MPH  
 50th Percentile : 21 MPH  
 85th Percentile : 26 MPH  
 95th Percentile : 29 MPH

Stats  
 10 MPH Pace Speed : 16-25 MPH  
 Number in Pace : 1365  
 Percent in Pace : 69.8%  
 Number of Vehicles > 25 MPH : 295  
 Percent of Vehicles > 25 MPH : 15.1%  
 Mean Speed(Average) : 20 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 5-01

Barnard Street  
 Btw Beaver Ave. and W. College Ave.

Start Time	22-Apr-10 Thu	NB	SB	Total
12:00 AM		5	22	27
01:00		6	19	25
02:00		3	10	13
03:00		1	8	9
04:00		5	5	10
05:00		6	3	9
06:00		17	7	24
07:00		<b>42</b>	23	65
08:00		33	25	58
09:00		29	61	90
10:00		33	62	95
11:00		32	<b>86</b>	<b>118</b>
12:00 PM		32	68	100
01:00		31	91	122
02:00		33	90	123
03:00		42	103	145
04:00		32	152	184
05:00		<b>45</b>	<b>160</b>	<b>205</b>
06:00		26	97	123
07:00		32	94	126
08:00		15	80	95
09:00		27	71	98
10:00		7	42	49
11:00		4	39	43
<b>Total</b>		538	1418	1956
<b>Percent</b>		27.5%	72.5%	
AM Peak		07:00	11:00	11:00
Vol.		42	86	118
PM Peak		17:00	17:00	17:00
Vol.		45	160	205
<b>Grand Total</b>		538	1418	1956
<b>Percent</b>		27.5%	72.5%	
<b>ADT</b>		ADT 1,956	AADT 1,956	

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 5-02

Gill Street  
 Btw Beaver Ave. and W. College Ave.

SB, NB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/22/10	8	4	7	1	0	0	0	0	0	0	0	0	0	0	20	17-26	12
01:00	4	0	5	3	1	0	1	0	0	0	0	0	0	0	14	19-28	8
02:00	2	2	4	3	0	0	0	0	0	0	0	0	0	0	11	19-28	9
03:00	3	0	1	1	0	0	0	0	0	0	0	0	0	0	5	*	3
04:00	2	0	0	2	0	0	0	0	0	0	0	0	0	0	4	*	2
05:00	1	2	1	2	1	0	0	0	0	0	0	0	0	0	7	22-31	4
06:00	5	1	4	5	0	0	0	0	0	0	0	0	0	0	15	20-29	9
07:00	5	1	8	10	2	0	0	0	0	0	0	0	0	0	26	21-30	18
08:00	4	11	8	5	2	0	0	0	0	0	0	0	0	0	30	14-23	19
09:00	<b>16</b>	4	10	<b>15</b>	1	0	0	0	0	0	0	0	0	0	46	21-30	25
10:00	13	7	11	15	1	<b>1</b>	0	0	0	0	0	0	0	0	48	21-30	26
11:00	13	<b>14</b>	<b>20</b>	12	<b>3</b>	0	0	0	0	0	0	0	0	0	<b>62</b>	17-26	35
12 PM	9	11	32	21	3	0	0	0	0	0	0	0	0	0	76	21-30	53
13:00	18	11	20	12	2	0	0	0	0	0	0	0	0	0	63	18-27	33
14:00	24	<b>15</b>	31	20	4	0	0	0	0	0	0	0	0	0	94	21-30	51
15:00	21	14	<b>43</b>	22	2	0	0	0	0	0	0	0	0	0	102	21-30	65
16:00	20	9	32	27	3	0	0	0	0	0	0	0	0	0	91	21-30	59
17:00	24	11	26	<b>34</b>	<b>10</b>	<b>1</b>	0	0	0	0	0	0	0	0	<b>106</b>	21-30	60
18:00	<b>26</b>	14	35	26	4	0	0	0	0	0	0	0	0	0	105	21-30	61
19:00	18	13	29	14	6	0	0	0	0	0	0	0	0	0	80	18-27	44
20:00	18	9	23	15	2	0	0	0	0	0	0	0	0	0	67	21-30	38
21:00	25	10	19	17	3	0	0	0	0	0	0	0	0	0	74	21-30	36
22:00	8	7	15	9	3	1	0	0	0	0	0	0	0	0	43	19-28	25
23:00	14	5	11	10	1	0	0	0	0	0	0	0	0	0	41	21-30	21
<b>Total</b>	<b>301</b>	<b>175</b>	<b>395</b>	<b>301</b>	<b>54</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1230</b>		
<b>Percent</b>	<b>24.5%</b>	<b>14.2%</b>	<b>32.1%</b>	<b>24.5%</b>	<b>4.4%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
<b>AM Peak</b>	<b>09:00</b>	<b>11:00</b>	<b>11:00</b>	<b>09:00</b>	<b>11:00</b>	<b>10:00</b>	<b>01:00</b>										<b>11:00</b>
<b>Vol.</b>	<b>16</b>	<b>14</b>	<b>20</b>	<b>15</b>	<b>3</b>	<b>1</b>	<b>1</b>										<b>62</b>
<b>PM Peak</b>	<b>18:00</b>	<b>14:00</b>	<b>15:00</b>	<b>17:00</b>	<b>17:00</b>	<b>17:00</b>											<b>17:00</b>
<b>Vol.</b>	<b>26</b>	<b>15</b>	<b>43</b>	<b>34</b>	<b>10</b>	<b>1</b>											<b>106</b>
<b>Total</b>	<b>301</b>	<b>175</b>	<b>395</b>	<b>301</b>	<b>54</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1230</b>		
<b>Percent</b>	<b>24.5%</b>	<b>14.2%</b>	<b>32.1%</b>	<b>24.5%</b>	<b>4.4%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 10 MPH  
 50th Percentile : 22 MPH  
 85th Percentile : 28 MPH  
 95th Percentile : 30 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 696  
 Percent in Pace : 56.6%  
 Number of Vehicles > 25 MPH : 359  
 Percent of Vehicles > 25 MPH : 29.2%  
 Mean Speed(Average) : 20 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 5-02

Gill Street  
 Btw Beaver Ave. and W. College Ave.

Start Time	22-Apr-10 Thu	SB	NB	Total
12:00 AM		15	5	20
01:00		9	5	14
02:00		10	1	11
03:00		3	2	5
04:00		4	0	4
05:00		4	3	7
06:00		8	7	15
07:00		13	13	26
08:00		22	8	30
09:00		25	<b>21</b>	46
10:00		33	15	48
11:00		<b>44</b>	18	<b>62</b>
12:00 PM		61	15	76
01:00		48	15	63
02:00		58	<b>36</b>	94
03:00		67	35	102
04:00		70	21	91
05:00		<b>86</b>	20	<b>106</b>
06:00		81	24	105
07:00		58	22	80
08:00		51	16	67
09:00		52	22	74
10:00		33	10	43
11:00		30	11	41
Total		885	345	1230
Percent		72.0%	28.0%	
AM Peak		11:00	09:00	11:00
Vol.		44	21	62
PM Peak		17:00	14:00	17:00
Vol.		86	36	106
Grand Total		885	345	1230
Percent		72.0%	28.0%	
ADT		ADT 1,230	AADT 1,230	

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 5-03

Patterson Street  
 Btw Beaver Ave. and W. College Ave.

NB, SB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/22/10	4	0	5	3	2	0	0	0	0	0	0	0	0	0	14	19-28	8
01:00	0	1	0	3	0	0	0	0	0	0	0	0	0	0	4	19-28	3
02:00	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4	13-22	4
03:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3	18-27	3
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
05:00	1	1	3	3	1	0	0	0	0	0	0	0	0	0	9	19-28	7
06:00	1	0	6	1	1	0	0	0	0	0	0	0	0	0	9	21-30	7
07:00	2	4	11	8	2	0	0	0	0	0	0	0	0	0	27	19-28	19
08:00	7	8	15	13	4	0	0	0	0	0	0	0	0	0	47	19-28	28
09:00	6	14	22	11	4	0	0	0	0	0	0	0	0	0	57	17-26	37
10:00	8	10	8	12	0	0	0	0	0	0	0	0	0	0	38	18-27	20
11:00	8	11	19	13	0	0	0	0	0	0	0	0	0	0	51	19-28	33
12 PM	17	13	24	11	2	0	0	0	0	0	0	0	0	0	67	17-26	38
13:00	13	12	27	7	0	0	0	0	0	0	0	0	0	0	59	16-25	39
14:00	11	10	17	15	1	0	0	0	0	0	0	0	0	0	54	21-30	32
15:00	24	14	34	19	3	0	0	0	0	0	0	0	0	0	94	20-29	53
16:00	8	11	30	35	2	1	0	0	0	0	0	0	0	0	87	21-30	65
17:00	10	24	42	38	4	0	0	0	0	0	0	0	0	0	118	21-30	80
18:00	15	15	43	29	4	0	0	0	0	0	0	0	0	0	106	21-30	72
19:00	3	11	32	27	2	0	0	0	0	0	0	0	0	0	75	21-30	59
20:00	7	14	32	13	0	0	0	0	0	0	0	0	0	0	66	17-26	47
21:00	5	13	18	8	2	0	0	0	0	0	0	0	0	0	46	16-25	31
22:00	1	9	13	7	3	0	0	0	0	0	0	0	0	0	33	17-26	23
23:00	3	8	6	4	1	0	0	0	0	0	0	0	0	0	22	13-22	14
<b>Total</b>	<b>156</b>	<b>204</b>	<b>410</b>	<b>282</b>	<b>38</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1091</b>		
Percent	14.3%	18.7%	37.6%	25.8%	3.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	09:00	09:00	08:00	08:00											09:00	
Vol.	8	14	22	13	4											57	
PM Peak	15:00	17:00	18:00	17:00	17:00	16:00										17:00	
Vol.	24	24	43	38	4	1										118	
<b>Total</b>	<b>156</b>	<b>204</b>	<b>410</b>	<b>282</b>	<b>38</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1091</b>		
Percent	14.3%	18.7%	37.6%	25.8%	3.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 16 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 28 MPH  
 95th Percentile : 30 MPH

Stats  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 692  
 Percent in Pace : 63.4%  
 Number of Vehicles > 25 MPH : 321  
 Percent of Vehicles > 25 MPH : 29.4%  
 Mean Speed(Average) : 22 MPH

# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 5-03

Patterson Street  
 Btw Beaver Ave. and W. College Ave.

Start Time	22-Apr-10 Thu	NB	SB	Total
12:00 AM		2	12	14
01:00		0	4	4
02:00		1	3	4
03:00		0	3	3
04:00		1	0	1
05:00		1	8	9
06:00		3	6	9
07:00		8	19	27
08:00		10	37	47
09:00		<b>16</b>	<b>41</b>	<b>57</b>
10:00		10	28	38
11:00		15	36	51
12:00 PM		18	49	67
01:00		11	48	59
02:00		14	40	54
03:00		13	81	94
04:00		15	72	87
05:00		<b>24</b>	<b>94</b>	<b>118</b>
06:00		23	83	106
07:00		11	64	75
08:00		9	57	66
09:00		9	37	46
10:00		5	28	33
11:00		3	19	22
Total		222	869	1091
Percent		20.3%	79.7%	
AM Peak		09:00	09:00	09:00
Vol.		16	41	57
PM Peak		17:00	17:00	17:00
Vol.		24	94	118
Grand Total		222	869	1091
Percent		20.3%	79.7%	
ADT		ADT 1,091	AADT 1,091	

# Stahl Sheaffer Engineering, LLC

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Speed Report

Site Code: 5-04

Sparks Street  
 Btw. Beaver Ave. and W. College Ave.

SB, NB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
04/22/10	1	2	5	2	0	0	0	0	0	0	0	0	0	0	10	18-27	9
01:00	1	4	7	5	0	0	0	0	0	0	0	0	0	0	17	17-26	12
02:00	0	3	8	2	0	0	0	0	0	0	0	0	0	0	13	18-27	13
03:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	4	*	2
04:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3	13-22	2
05:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3	13-22	3
06:00	0	5	2	1	0	0	0	0	0	0	0	0	0	0	8	13-22	7
07:00	8	15	19	1	0	0	0	0	0	0	0	0	0	0	43	16-25	34
08:00	7	19	23	5	0	0	0	0	0	0	0	0	0	0	54	16-25	42
09:00	7	21	21	5	0	0	0	0	0	0	0	0	0	0	54	16-25	42
10:00	6	12	16	4	0	0	0	0	0	0	0	0	0	0	38	16-25	28
11:00	7	18	15	8	1	0	0	0	0	0	0	0	0	0	49	16-25	33
12 PM	6	25	25	6	2	1	0	0	0	0	0	0	0	0	65	16-25	50
13:00	11	23	18	5	0	0	0	0	0	0	0	0	0	0	57	16-25	41
14:00	27	33	25	5	0	0	0	0	0	0	0	0	0	0	90	16-25	58
15:00	24	37	26	6	1	0	0	0	0	0	0	0	0	0	94	16-25	63
16:00	13	30	34	6	0	0	0	0	0	0	0	0	0	0	83	16-25	64
17:00	26	41	40	8	1	0	0	0	0	0	0	0	0	0	116	16-25	81
18:00	18	21	23	2	1	0	0	0	0	0	0	0	0	0	65	16-25	44
19:00	15	20	15	2	0	0	0	0	0	0	0	0	0	0	52	16-25	35
20:00	8	24	16	4	1	0	0	0	0	0	0	0	0	0	53	16-25	40
21:00	11	14	24	0	0	0	0	0	0	0	0	0	0	0	49	16-25	38
22:00	1	12	20	0	0	0	0	0	0	0	0	0	0	0	33	16-25	32
23:00	7	10	9	2	0	0	0	0	0	0	0	0	0	0	28	15-24	19
<b>Total</b>	<b>207</b>	<b>390</b>	<b>397</b>	<b>79</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1081</b>		
Percent	19.1%	36.1%	36.7%	7.3%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	09:00	08:00	11:00	11:00											08:00	
Vol.	8	21	23	8	1											54	
PM Peak	14:00	17:00	17:00	17:00	12:00	12:00										17:00	
Vol.	27	41	40	8	2	1										116	
<b>Total</b>	<b>207</b>	<b>390</b>	<b>397</b>	<b>79</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1081</b>		
Percent	19.1%	36.1%	36.7%	7.3%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 12 MPH  
 50th Percentile : 20 MPH  
 85th Percentile : 25 MPH  
 95th Percentile : 28 MPH

Stats  
 10 MPH Pace Speed : 16-25 MPH  
 Number in Pace : 787  
 Percent in Pace : 72.8%  
 Number of Vehicles > 25 MPH : 87  
 Percent of Vehicles > 25 MPH : 8.0%  
 Mean Speed(Average) : 19 MPH



# Stahl Sheaffer Engineering, LLC

Volume Report

3941 South Atherton Street, Suite A  
 State College, PA 16801  
 Tel. 814-689-1562  
 www.sse-llc.com

Site Code: 5-04

Sparks Street  
 Btw. Beaver Ave. and W. College Ave.

Start Time	22-Apr-10 Thu	SB	NB	Total
12:00 AM		8	2	10
01:00		15	2	17
02:00		12	1	13
03:00		3	1	4
04:00		3	0	3
05:00		1	2	3
06:00		6	2	8
07:00		28	15	43
08:00		26	<b>28</b>	<b>54</b>
09:00		<b>29</b>	25	54
10:00		19	19	38
11:00		26	23	49
12:00 PM		36	29	65
01:00		31	26	57
02:00		57	33	90
03:00		53	41	94
04:00		51	32	83
05:00		<b>65</b>	<b>51</b>	<b>116</b>
06:00		48	17	65
07:00		35	17	52
08:00		36	17	53
09:00		36	13	49
10:00		26	7	33
11:00		19	9	28
<b>Total</b>		669	412	1081
<b>Percent</b>		61.9%	38.1%	
AM Peak		09:00	08:00	08:00
Vol.		29	28	54
PM Peak		17:00	17:00	17:00
Vol.		65	51	116
<b>Grand Total</b>		669	412	1081
<b>Percent</b>		61.9%	38.1%	
<b>ADT</b>		ADT 1,081	AADT 1,081	