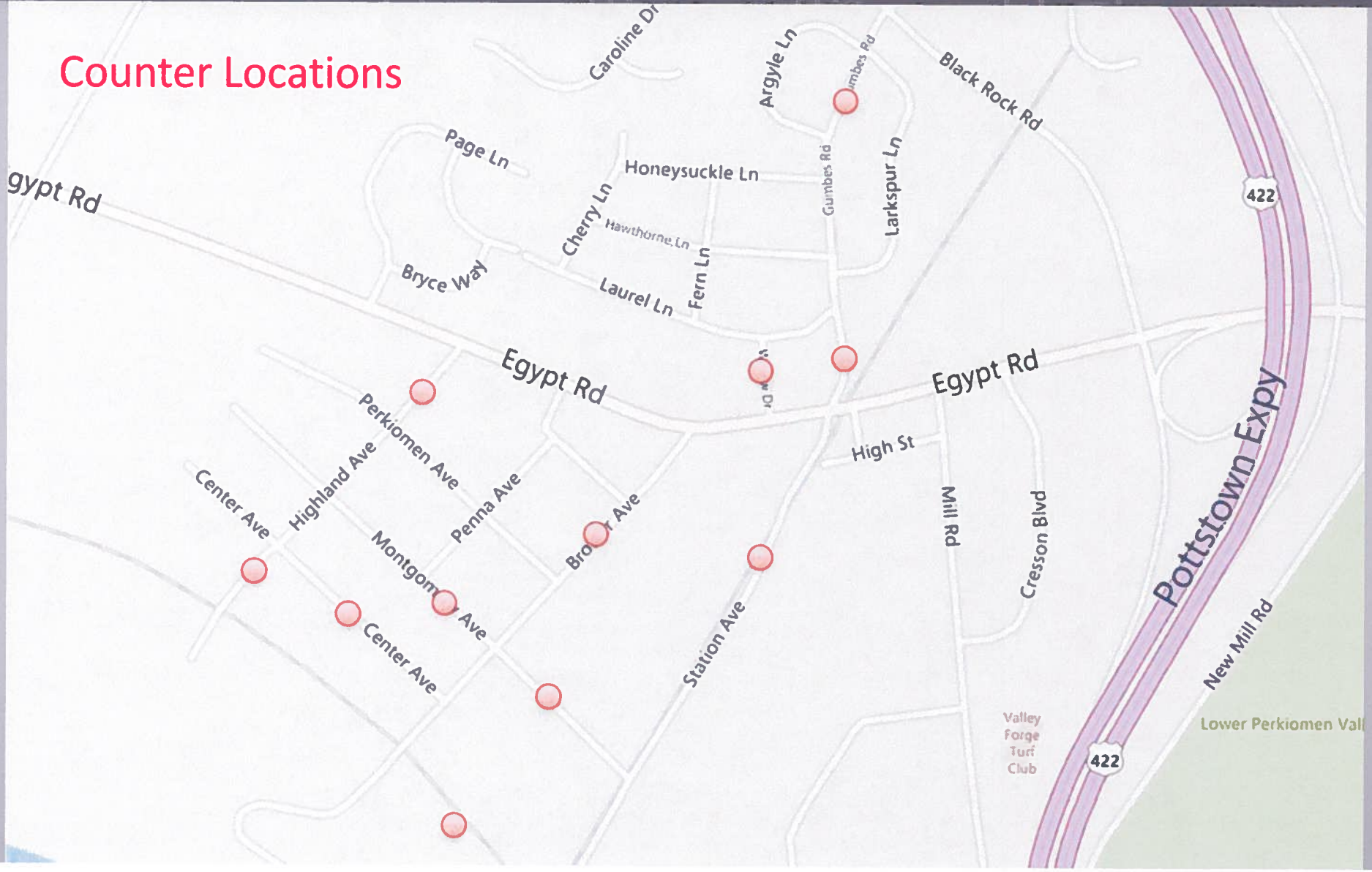
Est. 1989

Oaks Village Area Traffic Study
Presentation of Data
Upper Providence Township
Planning Commission
July 11, 2012

Traffic Planning & Design, Inc.
Frank Montgomery, P.E., PTOE

Est. 1989

Counter Locations



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FHWA Vehicle Classifications

1. Motorcycles
2 axles, 2 or 3 tires

2. Passenger Cars
2 axles, can have 1- or 2-axle trailers

3. Pickups, Panels, Vans
2 axles, 4-tire single units
Can have 1 or 2 axle trailers

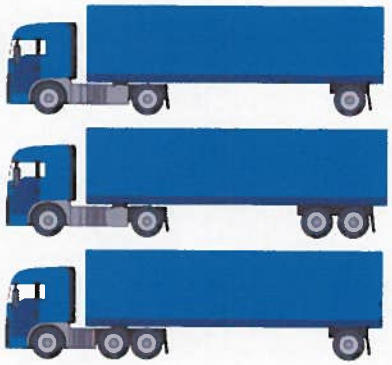
4. Buses
2 or 3 axles, full length

5. Single Unit 2-Axle Trucks
2 axles, 6 tires (dual rear tires), single-unit

6. Single Unit 3-Axle Trucks
3 axles, single unit

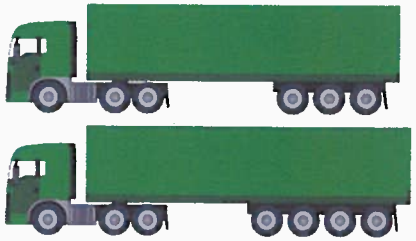
7. Single Unit 4 or More-Axle Trucks
4 or more axles, single unit

8. Single Trailer 3- or 4-Axle Trucks
3 or 4 axles, single trailer



9. Single Trailer 5-Axle Trucks
5 axles, single trailer

10. Single Trailer 6 or More-Axle Trucks
6 or more axles, single trailer



11. Multi-Trailer 5 or Less-Axle Trucks
5 or less axles, multiple trailers

12. Multi-Trailer 6-Axle Trucks
6 axles, multiple trailers

13. Multi-Trailer 7 or More-Axle Trucks
7 or more axles, multiple trailers

Vehicle Classification

Group 1 = 1- 3

Group 2 = 4

Group 3 = 5-13

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Oaks Village Area Traffic Study
Traffic Count Summary

Location		Daily Total Traffic			Peak Hour Total Traffic			Daily Trucks		Overall Speed		
No.	Description	Average Weekday	Friday	Saturday	Weekday Morning	Weekday Evening	Saturday	Vehicles	Percent	Average	85th Percentile	Pace Speed
1	Gumbes Rd (Egypt Rd - Laurel Ln)	1,377	1,512	1,430	142	149	129	55	4%	26	32	24-33
2	Gumbes Rd (Argyle Ln - Black Rock Rd)	1,728	1,855	1,676	169	180	147	42	2%	26	31	23-34
3	Station Ave (Montgomery Ave - Egypt Rd) 2	6,567	8,138	8,939	439	675	743	222	6%	34	39	30-39
4	Willow Dr. (Egypt Rd - Laurel Ln)	606	645	439	49	54	52	19	4%	17	23	16-25
5	Brower Ave (Montgomery Ave - Oakland Ave)	1,953	2,166	1,689	91	214	146	109	6%	27	33	24-33
6	Highland Ave (Perkiomen Ave - Egypt Rd)	1,319	1,241	621	134	163	68	86	9%	17	26	20-29
7	Highland Ave (Business Park - Center Ave)	244	119	76	29	36	11	50	15%	21	28	20-29
8	Montgomery Ave (Brower Ave - Station Ave)	1,344	1,361	1,053	85	174	128	110	9%	21	30	22-31
9	Montgomery Ave (Highland Ave - Pennsylvania Ave)	397	462	328	30	49	38	31	8%	21	28	20-29
10	Center Ave (Highland Ave - Brower Ave)	140	123	93	13	15	12	5	6%	-	-	-
11	Pennco Rd (Brower Ave - Station Ave)	267	284	238	14	34	31	34	13%	24	32	22-31

Note: Traffic counts conducted by Traffic Planning & Design, Inc., May 2012