Table 1 St. Johns County P.M. Peak Hour Trip Rate and Percent New Trips Data

	St. Johns County P.	M. Feak Hour In	o Rale and Perce	ntnew	Thps Data		
					Land Use Maximum S	ize	
ITE			P.M. Peak Hour		Threshold By Unit		Percentage
Land		Independent	Trip End	Small	Minor	Major (LDTA)	New
Use	Land Use Description	Variable	Estimation	<= 10.00	> 10.00 to <= 50.00	> 50.00	Trips
Code			Method	PHT Trips	PHT Trips	PHT Trips	
022	General Aviation Airport	Average Flights Per Day	0.30	33	166	> 166	90%
	General Light Industrial < 150,000 sf GFA	1,000 sf GFA	0.97	10,309			
	General Light Industrial > or = 150,000 sf GFA	1,000 sf GFA	T = 1.43 (X) - 157.36	N/A	N/A	> 0	92%
	Industrial Park	1,000 sf GFA	T=0.77(X)+42.11	N/A	10,246	> 10,246	
	Manufacturing	1,000 sf GFA	T = 0.78 (X) - 15.97	33,294	84,576		
	Warehousing	1,000 sf GFA	Ln(T)=0.64*Ln(X)+1.14	6,150		> 76,042	
	Mini-Warehousing	1,000 sf GFA	Ln(T)=1.02*Ln(X)-1.49	41,191	199,557	> 199,557	
	Single Family Detached Housing	Dwelling Units	Ln(T)=0.90*Ln(X)+0.51	7		> 43	
	Apartment	Dwelling Units	T = 0.55 (X) + 17.65	N/A	58	> 58	
	Residential Condominium/Townhouse		Ln(T)=0.82*Ln(X)+0.32	11			
	Mobile Home Park	Dwelling Units Occupied Dwelling	T=0.57(X)+2.06	13		> 79	
	Congregate Care Facility					-	
		Occupied Dwelling	0.17	58		> 294	
	Assisted Living	Beds	0.22	45			100%
	Hotel	Occupied Rooms	Ln(T)=1.20*Ln(X)-1.55	24			
	All-Suites Hotel	Occupied Rooms	0.55	18			
	Motel	Occupied Rooms	T = 0.53 (X) + 5.95	7			
	Resort Hotel	Occupied Rooms	Ln(T)=1.13*Ln(X)-1.52	29		> 122	
	County Park	Acres	0.06	166	833		
	Campground/Recreational Vehicle Park	Occupied Camp Sites	0.37	27			
	Regional Park	Acres	0.20	50			
	Marina	Berths	0.19	52		> 263	
	Golf Course	Acres	T = 0.13 (X) + 31.30	N/A	143		
	Golf Driving Range	Driving Positions	1.25	8			
	Bowling Alley	1,000 sf GFA	3.54	2,824	14,124	> 14,124	75%
	Movie Theatre with Matinee	Movie Screens (Friday)	45.91	N/A	1	> 1	85%
492	Health/Fitness Club	1,000 sf GFA	Ln(T)=0.95*Ln(X)+1.43	2,505	13,635	> 13,635	75%
520	Elementary School	1,000 sf GFA	1.21	8,264	41,322	> 41,322	80%
	High School	1.000 sf GFA	0.97	10,309	51,546	> 51,546	90%
	Junior/Community College	1,000 sf GFA	2.54	3,937	19,685	> 19,685	
	University/College	Students	T = 0.19 (X) + 118.58	N/A	N/A	> 0	90%
	Church (without school) up to 100,000 sq. ft.	1,000 sf GFA	0.55	18,181	90,909	> 90,909	
	Day Care Center	1,000 sf GFA	12.46	802	4,012	> 4,012	74%
	Library	1,000 sf GFA	7.30	1,369	6,849		
	Hospital	1,000 sf GFA	1.14	8,771	43,859		
	Nursing Home	1,000 sf GFA	0.74	13,513	67,567		75%
	Clinic	1,000 sf GFA	5.18	1,930			
	Animal Hospital/Veterinary Clinic	1,000 sf GFA	4.72	2,118			
	General Office Building < 33,557 sf GFA	1,000 sf GFA	1.49	6,711			92%
			T = 1.12 (X) + 78.81	N/A	N/A		
	General Office Building > or = 33,557 sf GFA	1,000 sf GFA				> 33,557	
	Medical/Dental Office Building	1,000 sf GFA	Ln(T)=0.88*Ln(X)+1.59	2,247	13,994		
	United States Post Office	1,000 sf GFA	11.12	N/A	4,496		
	Office Park	1,000 sf GFA	T = 1.22 (X) + 95.83	N/A	N/A	> 0	
	Research and Development Centers	1,000 sf GFA	Ln(T)=0.82*Ln(X)+1.09	4,387	31,233	> 31,233	
	Business Park	1,000 sf GFA	Ln(T)=0.92*Ln(X)+0.78	5,232	30,095		
	Free-Standing Discount Superstore	1,000 sf GFA	4.61	2,169			
	Speciality Retail Center	1,000 sf GLA	T = 2.40 (X) + 21.48	N/A			
	Free-Standing Discount Store	1,000 sf GFA	5.00	2,000			
	Hardware/Paint Store	1,000 sf GFA	T = 3.31 (X) + 27.59	N/A	6,770		
	Shopping Center	1,000 sf GLA	Ln(T)=0.67*Ln(X)+3.37	N/A	N/A	> 0	Equation
	Factory Outlet Center	1,000 sf GFA	Ln(T)=0.43*Ln(X)+3.68	N/A	N/A	> 0	
	Automobile Parts Sales	1,000 sf GFA	T = 7.87 (X) - 14.86	3,158	8,241	> 8,241	
	Tire Store	Service Bays	3.54	2	14		
	Tire Superstore	Service Bays	3.17	3	15		
850	Supermarket	1,000 sf GFA	Ln(T)=0.61*Ln(X)+3.95	N/A	939	> 939	64%
851	Convenience Market (Open 24 Hours)	1,000 sf GFA	52.41	N/A	954	> 954	39%
	Convenience Market with Gasoline Pumps	Vehicle Fueling Positions	19.07	N/A	2	> 2	34%
	Discount Club	1,000 sf GFA	4.24	N/A	11,792		83%
	Home Improvement Superstore	1,000 sf GFA	2.37	N/A	21,097		52%
	Electronics Superstore	1,000 sf GFA	4.99	N/A	10,020		
	Pharmacy/Drugstore without Drive-Through Window	1,000 sf GFA	8.42	1,187	5,938		
	Pharmacy/Drugstore with Drive-Through Window	1,000 sf GFA	10.35	966			
	Furniture Store	1,000 sf GFA	0.45	22,222	111,111		47%
	Video Rental Store	1,000 sf GFA	Ln(T)=0.93*Ln(X)+2.61	718			
	Walk-In Bank	1,000 sf GFA	12.13	824	4,035		
	Drive-In Bank	Drive-In Windows	27.41	024 N/A		> 4,122	53%
	Quality Restaurant	1,000 sf GFA	7.49	1,335	6,675		
	High-Turnover (Sit-Down) Restaurant	1,000 sf GFA	11.15	896	4,484		
	Fast-Food Restaurant without Drive-Through Window	1,000 sf GFA	26.15	382	1,912		
	Fast-Food Restaurant with Drive-Through Window	1,000 sf GFA	33.84	295	1,477		
	Fast-Food Restaurant with Drive-Through & No Indoor Seating	1,000 sf GFA	153.85	N/A	324		
		1,000 sf GFA	42.93	232	1,164		
936	Coffee/Donut Shop with Drive-Through Window						700/
936 941	Quick Lubrication Vehicle Shop	Servicing Positions	5.19	1	9		
936 941 945	Quick Lubrication Vehicle Shop Gasoline/Service Station with Convenience Market	Servicing Positions Vehicle Fueling Positions	5.19 13.38	1 N/A	3	> 3	44%
936 941 945 947	Quick Lubrication Vehicle Shop	Servicing Positions	5.19	1 N/A 1 3,636	3	> 3 > 9	44% 67%

Sources:

Institute of Transportation Engineers, Trip Generation, Eighth Edition, 2008.

Institute of Transportation Engineers, Trip Generation, Seventh Edition, 2003.

Institute of Transportation Engineers, Trip Generation, Sixth Edition, 1997.

Institute of Transportation Engineers, Trip Generation, Fifth Edition, 1991. Institute of Transportation Engineers, Trip Generation Handbook, 1998. Tindale, Oliver & Associates, Inc.

Notes:

a Land Use 843 peak hour rate (5.98) divided by daily rate (61.91) produces a peak-to-daily ratio of 0.097. Auto Repair/Detailing Center daily rate (28.40) multiplied by 0.097 produces a 2.75 peak hour average rate.