

Trip Generation Report Perling/South Main St 10.13.16

The table below show the trip generation including internal capture reductions for the development.

The trip generation is based on the ITE Trip Generation Manual 9th Edition rates and equations for known land use codes.

For the Brewery, we counted the existing location peak hour trips and doubled them for the new location.

The internal capture calculations use the ITE Trip Generation Handbook 3rd Edition rates, constrained between types of use.

The 3rd Edition Trip Generation Handbook does not provide daily trip reduction formulas, so none were taken.

The Brewery was assumed to generate ten (10) times the peak hour trips for the purpose of the daily total trips calculation.

No internal capture reduction was taken between the Brewery and other uses, as rates are not documented at this time.

Project Land Use		Project Density	Total	Inbound	Outbound
Apartments (220)		200 dwelling units			
	Daily		1336	668	668
	AM Peak Hour		102	20	82
	PM Peak Hour		128	83	45
Townhomes (230)		64 dwelling units			
	Daily		436	218	218
	AM Peak Hour		36	6	30
	PM Peak Hour		42	28	14
Condos (230)		50 dwelling units			
	Daily		352	176	176
	AM Peak Hour		30	5	25
	PM Peak Hour		34	23	11
Residential New Trips		314 dwelling units			
	Daily		2124	1062	1062
	AM Peak Hour		168	31	137
	PM Peak Hour		204	134	70
Residential Internal Capture	Reduction				
	AM Peak Hour		9	2	7
	PM Peak Hour		45	19	26

Trip Generation Report Perling/South Main St 10.13.16

External Residential New Trips						
	AM Peak Hour			159	29	130
	PM Peak Hour			159	115	44
Office (710)		30	1000 square feet			
	Daily			526	263	263
	AM Peak Hour			73	64	9
	PM Peak Hour			112	19	93
Specialty Retail (826)		29.5	1000 square feet			
	Daily			1300	650	650
	AM Peak Hour			260	125	135
	PM Peak Hour			92	40	52
Quality Restaurant (931)		3.5	1000 square feet			
	Daily			316	158	158
	AM Peak Hour			3	2	1
	PM Peak Hour			26	17	9
High Turnover Restaurant (932)		3	1000 square feet			
	Daily			382	158	158
	AM Peak Hour			32	18	14
	PM Peak Hour			30	18	12
Brewery (No Land Use Code)		60.5	1000 square feet			
(Double Existing Counts)	AM Peak Hour			50	42	8
(Double Existing Counts)	PM Peak Hour			54	18	36
Commercial New Trips		126.5	1000 square feet			
(assumes 540 Brewery Daily Trips)	Daily			3064	1532	1532
	AM Peak Hour			418	251	167
	PM Peak Hour			314	112	202
Commercial Internal Capture	Reduction					
	AM Peak Hour			89	47	42
	PM Peak Hour			89	48	41
External Commercial Trips						
	AM Peak Hour			329	204	125
	PM Peak Hour			225	64	161

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Total New Trips						
	Daily			5188	2594	2594
	AM Peak Hour			488	233	255
	PM Peak Hour			384	179	205