

City of Killeen - Trip Factor

Land Use	ITE Code	SFM	Development Unit	Trip Factor									SFE
				PM Trip Rate*	Daily Pass-by Rate	Pass-by Source	Trip Rate	Trip Length (mi)	Adj. For O-D	Adj. Trip Length (mi)	Max Trip Length	Veh-Mi Per Dev-Unit	
<b>Residential</b>													
Single-Family Detached Housing	210		Dwelling Unit	0.99			0.99	8.20	50%	4.10	4.10	4.06	1.00
Multi-Family Housing (Low-Rise)	220	Dulplex	Dwelling Unit	0.56			0.56	8.20	50%	4.10	4.10	2.30	0.57
Multi-Family Housing (Mid-Rise)	221	APT	Dwelling Unit	0.44			0.44	8.20	50%	4.10	4.10	1.80	0.44
Multi-Family Housing (High-Rise)	222		Dwelling Unit	0.36			0.36	8.20	50%	4.10	4.10	1.48	0.36
Mobile Home	240		Dwelling Unit	0.46			0.46	8.20	50%	4.10	4.10	1.89	0.47
Senior Adult Housing-Detached	251		Dwelling Unit	0.30			0.30	8.20	50%	4.10	4.10	1.23	0.30
Senior Adult Housing-Attached	252		Dwelling Unit	0.26			0.26	8.20	50%	4.10	4.10	1.07	0.26
Assisted Living	254		1,000 SF GFA	0.48			0.48	8.20	50%	4.10	4.10	1.97	0.49
<b>Non-Residential</b>													
Commercial Airport	021		Employees	1.03			1.03	10.02	50%	5.01	5.01	5.16	1.27
General Aviation Airport	022		Employees	1.57			1.57	10.02	50%	5.01	5.01	7.87	1.94
Intermodal Truck Terminal	030		1,000 SF GFA	1.87			1.87	10.02	50%	5.01	5.01	9.37	2.31
General Light Industrial	110		1,000 SF GFA	0.63			0.63	10.02	50%	5.01	5.01	3.16	0.78
Industrial Park	130		1,000 SF GFA	0.40			0.40	10.02	50%	5.01	5.01	2.00	0.49
Manufacturing	140		1,000 SF GFA	0.67			0.67	10.02	50%	5.01	5.01	3.36	0.83
Warehousing	150		1,000 SF GFA	0.19			0.19	10.02	50%	5.01	5.01	0.95	0.23
Mini-Warehouse	151		1,000 SF GFA	0.17			0.17	10.02	50%	5.01	5.01	0.85	0.21
Data Center	160		1,000 SF GFA	0.09			0.09	10.02	50%	5.01	5.01	0.45	0.11
Hotel	310		Room	0.60			0.60	6.70	50%	3.35	3.35	2.01	0.50
All Suites Hotel	311		Room	0.36			0.36	6.70	50%	3.35	3.35	1.21	0.30
Business Hotel	312		Room	0.32			0.32	6.70	50%	3.35	3.35	1.07	0.26
Motel / Other Lodging Facilities	320		Room	0.38			0.38	6.70	50%	3.35	3.35	1.27	0.31
Resort Motel	330		Room	0.41			0.41	6.70	50%	3.35	3.35	1.37	0.34
Marina	420		Berths	0.21			0.21	6.43	50%	3.22	3.22	0.68	0.17
Golf Course	430		Acre	0.28			0.28	6.43	50%	3.22	3.22	0.90	0.22
Miniature Golf Course	431		Hole	0.33			0.33	6.43	50%	3.22	3.22	1.06	0.26
Golf Driving Range	432		Tee	1.25			1.25	6.43	50%	3.22	3.22	4.03	0.99
Batting Cages	433		Cages	2.22			2.22	6.43	50%	3.22	3.22	7.15	1.76
Multipurpose Recreational Facility	435		1,000 SF GFA	3.58			3.58	6.43	50%	3.22	3.22	11.53	2.84
Bowling Alley	437		1,000 SF GFA	1.16			1.16	6.43	50%	3.22	3.22	3.74	0.92
Adult Cabaret	440		1,000 SF GFA	2.93			2.93	6.43	50%	3.22	3.22	9.43	2.32
Movie Theater with Matinee	444		1,000 SF GFA	6.17			6.17	6.43	50%	3.22	3.22	19.87	4.89
Multiplex Movie Theater	445		1,000 SF GFA	4.91			4.91	6.43	50%	3.22	3.22	15.81	3.89
Automobile Racetrack	453		Attendees	0.28			0.28	6.43	50%	3.22	3.22	0.90	0.22
Dog Racetrack	454		Attendees	0.15			0.15	6.43	50%	3.22	3.22	0.48	0.12
Ice Skating Rink	465		1,000 SF GFA	1.33			1.33	6.43	50%	3.22	3.22	4.28	1.05
Soccer Complex	488		Fields	16.43			16.43	6.43	50%	3.22	3.22	52.90	13.03
Tennis Courts	490		Tennis Courts	4.21			4.21	6.43	50%	3.22	3.22	13.56	3.34
Racquet / Tennis Club	491		1,000 SF GFA	1.97			1.97	6.43	50%	3.22	3.22	6.34	1.56
Health/Fitness Club	492		1,000 SF GFA	3.45			3.45	6.43	50%	3.22	3.22	11.11	2.74
Athletic Club	493		1,000 SF GFA	6.29			6.29	6.43	50%	3.22	3.22	20.25	4.99

City of Killeen - Trip Factor

Land Use	ITE Code	SFM	Development Unit	Trip Factor									SFE
				PM Trip Rate*	Daily Pass-by Rate	Pass-by Source	Trip Rate	Trip Length (mi)	Adj. For O-D	Adj. Trip Length (mi)	Max Trip Length	Veh-Mi Per Dev-Unit	
Recreational Community Center	495		1,000 SF GFA	2.31			2.31	6.43	50%	3.22	3.22	7.44	1.83
Elementary School	520		1,000 SF GFA	1.37			1.37	6.00	50%	3.00	3.00	4.11	1.01
Middle School/Junior High School	522		1,000 SF GFA	1.19			1.19	6.00	50%	3.00	3.00	3.57	0.88
High School	530		1,000 SF GFA	0.97			0.97	6.00	50%	3.00	3.00	2.91	0.72
Private School (K-8)	534		1,000 SF GFA	6.53			6.53	6.00	50%	3.00	3.00	19.59	4.83
Private School (K-12)	536		1,000 SF GFA	5.50			5.50	6.00	50%	3.00	3.00	16.50	4.06
Junior / Community College	540		1,000 SF GFA	1.86			1.86	6.00	50%	3.00	3.00	5.58	1.37
University / College	550		1,000 SF GFA	1.17			1.17	6.00	50%	3.00	3.00	3.51	0.86
Church	560		1,000 SF GFA	0.49			0.49	4.02	50%	2.01	2.01	0.98	0.24
Synagogue	561		1,000 SF GFA	2.92			2.92	4.02	50%	2.01	2.01	5.87	1.45
Mosque	562		1,000 SF GFA	4.22			4.22	4.02	50%	2.01	2.01	8.48	2.09
Day Care Center	565		1,000 SF GFA	11.12	44%	B	6.23	6.00	50%	3.00	3.00	18.69	4.60
Cemetery	566		Acres	0.46			0.46	6.00	50%	3.00	3.00	1.38	0.34
Museum	580		1,000 SF GFA	0.18			0.18	6.00	50%	3.00	3.00	0.54	0.13
Hospital	610		1,000 SF GFA	0.97			0.97	6.00	50%	3.00	3.00	2.91	0.72
Nursing Home	620		1,000 SF GFA	0.59			0.59	6.00	50%	3.00	3.00	1.77	0.44
Clinic	630		1,000 SF GFA	3.28			3.28	6.00	50%	3.00	3.00	9.84	2.42
Animal Hospital/Veterinary Clinic	640		1,000 SF GFA	3.53	30%	B	2.47	6.00	50%	3.00	3.00	7.41	1.83
General Office Building	710		1,000 SF GFA	1.15			1.15	6.00	50%	3.00	3.00	3.45	0.85
Corporate Headquarters Building	714		1,000 SF GFA	1.40			1.40	6.00	50%	3.00	3.00	4.20	1.03
Single Tenant Office Building	715		1,000 SF GFA	1.71			1.71	6.00	50%	3.00	3.00	5.13	1.26
Medical-Dental Office Building	720		1,000 SF GFA	3.46			3.46	6.00	50%	3.00	3.00	10.38	2.56
Office Park	750		1,000 SF GFA	1.33			1.33	6.00	50%	3.00	3.00	3.99	0.98
Research & Development Center	760		1,000 SF GFA	0.49			0.49	6.00	50%	3.00	3.00	1.47	0.36
Business Park	770		1,000 SF GFA	1.26			1.26	6.00	50%	3.00	3.00	3.78	0.93
Tractor Supply Store	810		1,000 SF GFA	1.40			1.40	6.70	50%	3.35	3.35	4.69	1.16
Construction Equipment Rental Store	811		1,000 SF GFA	0.99			0.99	6.70	50%	3.35	3.35	3.32	0.82
Building Materials and Lumber Store	812		1,000 SF GFA	2.06			2.06	6.70	50%	3.35	3.35	6.90	1.70
Free-Standing Discount Superstore	813		1,000 SF GFA	4.33	29%	B	3.07	6.70	50%	3.35	3.35	10.28	2.53
Variety Store	814		1,000 SF GFA	6.84	34%	A	4.51	6.70	50%	3.35	3.35	15.11	3.72
Free-Standing Retail Store	815		1,000 SF GFA	4.83	30%	C	3.38	6.70	50%	3.35	3.35	11.32	2.79
Hardware/Paint Store	816		1,000 SF GFA	2.68	26%	A	1.98	6.70	50%	3.35	3.35	6.63	1.63
Nursery (Garden Center)	817		1,000 SF GFA	6.94	30%	B	4.86	6.70	50%	3.35	3.35	16.28	4.01
Nursery (Wholesale)	818		1,000 SF GFA	5.18	30%	B	3.63	6.70	50%	3.35	3.35	12.16	3.00
Shopping Center	820		1,000 SF GLA	3.81	34%	A	2.51	6.70	50%	3.35	3.35	8.41	2.07
Factory Outlet Center	823		1,000 SF GFA	2.29			2.29	6.70	50%	3.35	3.35	7.67	1.89
New and Used Car Sales	841		1,000 SF GFA	3.75	20%	B	3.00	6.43	50%	3.22	3.22	9.66	2.38
Recreational Vehicle Sales	842		1,000 SF GFA	0.77			0.77	6.43	50%	3.22	3.22	2.48	0.61
Automobile Parts Sales	843		1,000 SF GFA	4.91	43%	A	2.80	6.43	50%	3.22	3.22	9.02	2.22
Tire Store	848		1,000 SF GFA	3.98	28%	A	2.87	6.43	50%	3.22	3.22	9.24	2.28
Tire Superstore	849		1,000 SF GFA	2.11	28%	B	1.52	6.43	50%	3.22	3.22	4.89	1.20
Supermarket	850		1,000 SF GFA	9.24	36%	A	5.91	6.70	50%	3.35	3.35	19.80	4.88

City of Killeen - Trip Factor

Land Use	ITE Code	SFM	Development Unit	Trip Factor									SFE
				PM Trip Rate*	Daily Pass-by Rate	Pass-by Source	Trip Rate	Trip Length (mi)	Adj. For O-D	Adj. Trip Length (mi)	Max Trip Length	Veh-Mi Per Dev-Unit	
Convenience Market (Open 24 Hours)	851		1,000 SF GFA	49.11	51%	A	24.06	6.70	50%	3.35	3.35	80.60	19.85
Convenience Market w/ Gasoline Pumps	853		1,000 SF GFA	49.29	66%	A	16.76	6.70	50%	3.35	3.35	56.15	13.83
Discount Supermarket	854		1,000 SF GFA	8.38	21%	A	6.62	6.70	50%	3.35	3.35	22.18	5.46
Discount Club	857		1,000 SF GFA	4.18	37%	A	2.63	6.70	50%	3.35	3.35	8.81	2.17
Wholesale Market	860		1,000 SF GFA	1.76			1.76	6.70	50%	3.35	3.35	5.90	1.45
Sporting Goods Superstore	861		1,000 SF GFA	2.02			2.02	6.70	50%	3.35	3.35	6.77	1.67
Home Improvement Superstore	862		1,000 SF GFA	2.33	42%	A	1.35	6.70	50%	3.35	3.35	4.52	1.11
Electronics Superstore	863		1,000 SF GFA	4.26	40%	A	2.56	6.70	50%	3.35	3.35	8.58	2.11
Toy/Children's Superstore	864		1,000 SF GFA	5.00	30%	B	3.50	6.70	50%	3.35	3.35	11.73	2.89
Baby Superstore	865		1,000 SF GFA	1.82	30%	B	1.27	6.70	50%	3.35	3.35	4.25	1.05
Pet Supply Superstore	866		1,000 SF GFA	3.55			3.55	6.70	50%	3.35	3.35	11.89	2.93
Office Supply Superstore	867		1,000 SF GFA	2.77			2.77	6.70	50%	3.35	3.35	9.28	2.29
Book Superstore	868		1,000 SF GFA	15.83			15.83	6.70	50%	3.35	3.35	53.03	13.06
Discount Home Furnishing Superstore	869		1,000 SF GFA	1.57			1.57	6.70	50%	3.35	3.35	5.26	1.30
Bed and Linen Superstore	872		1,000 SF GFA	2.22			2.22	6.70	50%	3.35	3.35	7.44	1.83
Department Store	875		1,000 SF GFA	1.95	30%	B	1.37	6.70	50%	3.35	3.35	4.59	1.13
Apparel Store	876		1,000 SF GFA	4.12			4.12	6.70	50%	3.35	3.35	13.80	3.40
Arts and Crafts Store	879		1,000 SF GFA	6.21			6.21	6.70	50%	3.35	3.35	20.80	5.12
Pharmacy/Drugstore w/o Drive-through window	880		1,000 SF GFA	8.51	53%	A	4.00	6.70	50%	3.35	3.35	13.40	3.30
Pharmacy/Drugstore w/ Drive-through window	881		1,000 SF GFA	10.29	49%	A	5.25	6.70	50%	3.35	3.35	17.59	4.33
Furniture Store	890		1,000 SF GFA	0.52	53%	A	0.24	6.70	50%	3.35	3.35	0.80	0.20
Medical Equipment Store	897		1,000 SF GFA	1.24			1.24	6.70	50%	3.35	3.35	4.15	1.02
Walk-In Bank	911		1,000 SF GFA	12.13	40%	B	7.28	3.39	50%	1.70	1.70	12.38	3.05
Drive-In Bank	912		1,000 SF GFA	20.45	38%	B	12.68	3.39	50%	1.70	1.70	21.56	5.31
Hair Salon	918		1,000 SF GFA	1.45	30%	B	1.02	3.39	50%	1.70	1.70	1.73	0.43
Copy, Print and Express Ship Store	920		1,000 SF GFA	7.42			7.42	6.70	50%	3.35	3.35	24.86	6.12
Drinking Place	925		1,000 SF GFA	11.36	43%	B	6.48	4.79	50%	2.40	2.40	15.55	3.83
Sit Down Restaurant	931		1,000 SF GFA	7.80	44%	A	4.37	4.79	50%	2.40	2.40	10.49	2.58
High Turnover (Sit-Down) Restaurant	932		1,000 SF GFA	9.77	43%	A	5.57	4.79	50%	2.40	2.40	13.37	3.29
Fast Food Restaurant without Drive-Thru Window	933		1,000 SF GFA	28.34	50%	B	14.17	4.79	50%	2.40	2.40	34.01	8.38
Fast Food Restaurant with Drive-Thru Window	934		1,000 SF GFA	32.67	50%	A	16.34	4.79	50%	2.40	2.40	39.22	9.66
Fast-Food Restaurant with Drive-through Window and	935		1,000 SF GFA	42.65	50%	B	21.33	4.79	50%	2.40	2.40	51.19	12.61
Coffee/Donut Shop without Drive-through Window	936		1,000 SF GFA	36.31	89%	B	3.99	4.79	50%	2.40	2.40	9.58	2.36
Coffee/Donut Shop with Drive-Thru Window	937		1,000 SF GFA	43.38	89%	B	4.77	4.79	50%	2.40	2.40	11.45	2.82
Coffee/Donut Shop with Drive-through Window and r	938		1,000 SF GFA	83.33	89%	A	9.17	4.79	50%	2.40	2.40	22.01	5.42
Bread/Donut/Bagel Shop w/o Drive-through Window	939		1,000 SF GFA	28.00	89%	B	3.08	4.79	50%	2.40	2.40	7.39	1.82
Bread/Donut/Bagel Shop w/ Drive-through Window	940		1,000 SF GFA	19.02	89%	B	2.09	4.79	50%	2.40	2.40	5.02	1.24
Quick Lubrication Vehicle Shop	941		1,000 SF GFA	8.70	40%	B	5.22	6.43	50%	3.22	3.22	16.81	4.14
Automobile Care Center	942		1,000 SF GFA	3.11	40%	B	1.87	6.43	50%	3.22	3.22	6.02	1.48
Automobile Parts & Service Center	943		1,000 SF GFA	2.26	40%	B	1.36	6.43	50%	3.22	3.22	4.38	1.08
Gasoline/Service Station	944		Vehicle Fueling Position	14.03	42%	A	8.14	1.20	50%	0.60	0.60	4.88	1.20
Gasoline/Service Station w/ Conv Market	945		Vehicle Fueling Position	13.99	56%	A	6.16	1.20	50%	0.60	0.60	3.70	0.91

City of Killeen - Trip Factor													
Land Use	ITE Code	SFM	Development Unit	Trip Factor									SFE
				PM Trip Rate*	Daily Pass-by Rate	Pass-by Source	Trip Rate	Trip Length (mi)	Adj. For O-D	Adj. Trip Length (mi)	Max Trip Length	Veh-Mi Per Dev-Unit	
Self-Service Car Wash	947		Stall	5.54	40%	B	3.32	1.20	50%	0.60	0.60	1.99	0.49
Automated Car Wash	948		1,000 SF GFA	14.20	40%	B	8.52	1.20	50%	0.60	0.60	5.11	1.26
Truck Stop	950		1,000 SF GFA	22.73	42%	B	13.18	1.20	50%	0.60	0.60	7.91	1.95

\*No PM trip rate provided. Adjusted daily trip rate used.

**Key to Sources of Pass-by Rates:**

A: ITE Trip Generation Handbook 2nd Edition (August 2014)

B: Estimated by Kimley-Horn based on ITE rates for similar categories

C: ITE rate adjusted upward by KHA based on logical relationship to other categories