INSTITUTE OF TRANSPORTATION ENGINEERS COMMON TRIP GENERATION RATES (PM Peak Hour)

(Trip Generation Manual, 10th Edition)

General Urban/ Dense Multi- General Urban/ D				Setting/Location					Setting/Location	
PART AND TERMEN. Number of the start of the				-	Dense Multi-				•	Dense Multi-
No <	Code Description	Unit of Measure	Trips Per Unit	Suburban	Use Urban	Code Description	Unit of Measure	Trips Per Unit	Suburban	Use Urban
1 Paring Space	-						Tees/Driving			
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101 0.003 FGA 0.00 0.003 FGA 0										
140 Jondy address 1.000 FGA 0.67 437. Bondra Mray 1.000 FGA 1.61 151 Market and Mraket and Mr	110 General Light Industrial	1,000 SF GFA				435 Multi-Purpose Recreational Facility	1,000 SF GFA			
19. Werkbacking 1008 EGFA 0.19 440. And Cagnet 1008 EGFA 2.81 154. Werkbacking 1008 EGFA 0.10 448. Maringer Money Warehout 1008 EGFA 4.11 154. Werkback Trans Barge Warehoute 1008 EGFA 0.12 448. Maringer Money Warehoute 1000 EGFA 4.11 156. Werkback Trans Barge Warehoute 1008 EGFA 0.12 449. Maringer Money 1000 EGFA 4.11 176. Werkback Dassenge Warehoute 1008 EGFA 0.12 449. Maringer Money 4.10 0.02 170. Dassenge Warehoute 1008 EGFA 0.12 449. Maringer Money 4.11 0.12 170. Dassenge Warehoute 1008 EGFA 0.12 449. Maringer Money 1000 EGFA 0.12 170. Dassenge Warehoute 1008 EGFA 0.12 440. Maringer Money 1000 EGFA 0.13 170. Dassenge Warehoute 1008 EGFA 0.12 440. Maringer Money 1000 EGFA 0.13 170. Marcha Changer Mark 1008 EGFA 0.28 0.24 0.18 440. Maringer Money 1000 EGFA 0.10 170. Marcha Changer Mark 1000 EGFA 0.100 0.100 0.100	130 Industrial Park	1,000 SF GFA	0.40			436 Trampoline Park	1,000 SF GFA	1.50		
151 Markana Sang Wandhawa 1000 SF GA 0.17 444 Mone Instancia 1000 SF GA 0.17 155 Marcha Enditinent Canter Wandhawa 1000 SF GA 0.13 452 Marcha Enditinent Canter Wandhawa 0.05 SF GA 0.41 157 Marcha Enditinent Canter Wandhawa 1000 SF GA 0.41 452 Marcha Enditinent Canter Wandhawa 0.05 SF GA 0.41 157 Marcha Canter Wandhawa 1000 SF GA 0.12 452 Marcha Enditinent Canter Wandhawa 0.05 SF GA 0.47 150 Marcha Enditinent Canter Wandhawa 1000 SF GA 0.12 452 Marcha Enditinent Canter Wandhawa 0.05 SF GA 0.15 151 Marcha Enditinent Canter Wandhawa 1000 SF GA 1.37 1.30 1.30 1.30 1.31 <td>140 Manufacturing</td> <td>1,000 SF GFA</td> <td>0.67</td> <td></td> <td></td> <td>437 Bowling Alley</td> <td>1,000 SF GFA</td> <td>1.16</td> <td></td> <td></td>	140 Manufacturing	1,000 SF GFA	0.67			437 Bowling Alley	1,000 SF GFA	1.16		
154 High-Cab Tamobad Shorp's Mixang Maga Markanaka 1,003 GF GA 4.1 156 High-Cab Tamobad Shorp's Mixang Markanaka 1,003 GF GA 0.4 4.5 Markanaka Amore Markanaka 0.6 150 High-Cab Tamobad Shorp's Mixang Markanaka 1,003 GF GA 0.4 4.6 Markanaka Amore Markanaka 0.6 150 High-Cab Tamobad Shorp's Mixang Markanaka 1.003 GF GA 0.7 4.6 Markanaka Amore Markanaka 0.6 150 Jass Carter 1.003 GF GA 0.7 4.6 Markanaka Amore Markanaka 0.6 0.7 150 Jass Carter 1.003 GF GA 0.7 4.6 Markanaka Amore Markanaka 0.6 0.7 4.6 Markanaka Amore Markanaka Markanakaa Markanakaaa Markanakaaaaa Markan	150 Warehousing	1,000 SF GFA	0.19			440 Adult Cabaret	1,000 SF GFA	2.93		
15.1. High-Carb Fulliment Case Manchese 1.003 SF GA 0.01 15.1. High-Carb Hab Warehouse 1.003 SF GA 0.02 15.7. High-Carb Cold Storage Warehouse 1.003 SF GA 0.09 15.7. High-Carb Cold Storage Warehouse 1.003 SF GA 0.09 15.7. High-Carb Cold Storage Warehouse 1.003 SF GA 0.09 15.0. Unites 1.003 SF GA 0.09 450 Name 0.000 SF GA 0.15 100. Data Canter 1.003 SF GA 0.07 450 Name 0.000 SF GA 1.33 100. Specially ficad Contractor 1.000 SF GA 1.007 <	151 Mini-Warehouse	1,000 SF GFA	0.17			444 Movie Theater	1,000 SF GFA	6.17		
159. Hip-Cale Parcel Hol Warehouse 1,000 EF GFA 0.64 454. Day Resertask Attendees 0.15 150. Data Center 1,000 SF GFA 0.09 450. Arran 1,000 SF GFA 0.17 150. Data Center 1,000 SF GFA 0.09 450. Arran 1,000 SF GFA 0.15 150. Stack Center 1,000 SF GFA 0.27 450. So Salang Rtm. 1,000 SF GFA 1.33 150. Stack Center 1,000 SF GFA 1.27 450. So Salang Rtm. 1,000 SF GFA 1.33 150. Stack Stack With Tab Contractor 1,000 SF GFA 1.27 445. So Salang Rtm. 1,000 SF GFA 1.34 150. Stack Stack With Tab Contractor 1,000 SF GFA 0.55 447. Cacent/Moto Lotter Housen Arran 3.05 220. Multarinity Houting CherRelo Desling Urits 0.55 448. Socce Complex Feld 16.42 4.21 221. Multarinity Houting CherRelo Desling Urits 0.36 1.98 490. Ternic Contractor Contractor 3.22 222. Multarinity Houting CherRelo Desling Urits 0.37 491. Reacuer/Miller Sockor Contractor 3.22 223. Matchise Neederelow With 160: 0.02 Contractor	154 High-Cube Transload & Short-Term Storage Warehouse	1,000 SF GFA	0.10			445 Multiplex Movie Theater	1,000 SF GFA	4.91		
197. Hg/-Cale Cold Strong Warehouse1000 SF GFA0.12460Arra1.000 SF GFA0.47100. DB Correntor1000 SF GFA2.27462Arrasson Baschall Stachull Stachull1000 SF GFA1.33100. DB Correntor1000 SF GFA2.27463Kas Starten Brith1.000 SF GFA1.33100. DB Correntor1000 SF GFA2.27463Kas Starten Brith1.000 SF GFA1.33100. Specified Mitter1000 SF GFA0.99464ArrasStorten Starten Brith1.000 SF GFA1.34210. Specified MitterDeeling Units0.99403Anouement ParkArras3.351.34221. Multerini Housing Goot-RiselDeeling Units0.940.18483Scoter ComplexFaids1.600 SF GFA3.42222. Multerini Housing Goot-RiselDeeling Units0.36493Anouement ParkCourts4.214.21231. MasRer Riselendi Wit SF FOC CommercialDeeling Units0.36493Arras1.000 SF GFA3.45232. Hubber RevertorDeeling Units0.36493Arras1.000 SF GFA3.45233. MasRer Riselendi Wit SF FOC CommercialDeeling Units0.36493Arras1.000 SF GFA3.45234. Multer Housing ContenceDeeling Units0.36493Arras1.000 SF GFA3.45235. Serier Kall Housing - CommercialDeeling Units0.36493Arras1.000 SF GFA3.45236. Serier Kall Housing - CommercialDeeling Un	155 High-Cube Fulfillment Center Warehouse	1,000 SF GFA	1.37			452 Horse Racetrack	Seats	0.06		
100. Dis Genter 100.05 F G A 0.9 46. 2 Proteoroal Statuting (MA 0.15 120. Distop 100.05 F G A 1.37 46. Son Sik Area 500p G A 1.30 120. Stople Fainly Desched Housing 0.99 46. Son Sik Area 500p G A 1.34 220. Multimity Housing (MARS) 0.99 48. Areas 3.85 3.85 221. Multimity Housing (MARS) 0.98 48. Areas 3.82 3.82 221. Multimity Housing (MARS) 0.98 48. Areas 3.82 3.82 222. Multimity Housing (MARS) 0.98 0.36 1.84 48. Store Complex Felds 1.6.3 222. Multimity Housing (MARS) 0.98 0.36 1.94 49. Terrise Courts Courts 3.22 223. Multimity Housing (MARS) 0.98 0.36 1.94 49. Terrise Courts Courts 3.22 224. Multimity Housing (MARS) 0.98 0.36 1.94 49. Terrise Courts Courts 3.22 225. Serie Multi-Serie Multimity Housing (MARS) 0.36 1.94 Terrise Courts 2.94 49. Terrise Courts 1.000 SF GFA 3.42 224. Multi-Mousi	156 High-Cube Parcel Hub Warehouse	1,000 SF GFA	0.64			454 Dog Racetrack	Attendees	0.15		
170 UN00 SF GFA 2.27 465 Los Sating Prick 1.000 SF GFA 1.3 180 Specially Tride Contractor 1.000 SF GFA 1.3 1.3 180 Specially Tride Contractor 1.000 SF GFA 1.3 210 Single Family Detected Housing Deteling Units 0.56 473 Casin/Voloe Lottery Exabidment 1.000 SF GFA 1.64 220 Multifamily Housing (MeR-Hes) Deteling Units 0.56 480 Anusement Park Acces 3.95 221 Multifamily Housing (MeR-Hes) Deteling Units 0.36 0.16 480 Scorer Complex Fields 1.64.3 222 Hultifamily Housing (MeR-Hes) Deteling Units 0.36 0.16 490 Fields 1.60.3 6.62.9 224 Hultifamily Housing (MeR-Hes) Deteling Units 0.36 1.60 492 Health Threes Cub 1.000 SF GFA 6.29 225 Senici Adul Housing - Attached Deteling Units 0.36 1.60 492 Health Threes Cub 1.000 SF GFA 6.29 225 Senici Adul Housing - Attached Deteling Units 0.	157 High-Cube Cold Storage Warehouse	1,000 SF GFA	0.12			460 Arena	1,000 SF GFA	0.47		
190 Specially Trade Contractor 1,000 SP GFA 1.97 466 Snow SA Area Stopes 20.0 RESIDENTIAL 466 Snow SA Area Stopes 20.0 41.0 20.0 41.0 20.0 41.0 20.0 41.0 20.0 41.0 20.0 41.0 20.0 41.0 20.0 41.0 20.0 41.0 20.0 41.0 20.0 41.0 20.0 41.0 20.0 41.0 20.0 41.0 20.0 42.0 Vater Site Park Parking Spaces 20.0 22.0 Multianity Housing (MeRian) Dewling Units 0.44 0.18 480 Courts Courts 421 22.1 Multianity Housing (MeRian Countercial Dewling Units 0.21 490 Terrinis Coults Courts 3.85 23.1 MeRians Residential with 19-Floor Commercial Dewling Units 0.21 490 Terrinis Coult 1.000 SF GFA 3.45 23.1 MeRians Residential Wousing - Dewling Units 0.28 20.0 490 Terrinis Coult 1.000 SF GFA 3.45 23.1 MeRians Residential Wousing - Dewli	160 Data Center	1,000 SF GFA	0.09			462 Professional Baseball Stadium	Attendees	0.15		
RESIDENTIAL 473 Cashov/deo Lottery Establishment 1.000 SF GFA 13.49 210 Mulfanny Housing (Unis 0.99 480 Arrussennir Park Acres. 3.95 221 Mulfanny Housing (Unis 0.56 480 Arrussennir Park Acres. 3.95 221 Mulfanny Housing (Unis 0.66 480 Arrussennir Park Acres. 3.95 221 Mulfanny Housing (Unis 0.66 0.18 488 Scorer Complex Fields 16.43 221 Mulfanny Housing (Unis 0.36 0.18 488 Scorer Complex Fields 10.00 SF GFA 3.82 221 Mulfanny Housing (Unis 0.21 491 Racoust/Period 1.000 SF GFA 6.28 225 Serier Adult Housing - Attached Dwelling Unis 0.26 493 Recreational Community Center 1.000 SF GFA 1.29 225 Serier Adult Housing - Attached Dwelling Unis 0.26 520 Heinhore Hons 1.000 SF GFA 1.17 252 Serier Adult Housing - Attac	170 Utilities	1,000 SF GFA	2.27			465 Ice Skating Rink	1,000 SF GFA	1.33		
110 Single-Family Deached Housing Dealing Units 0.99 480 Acces 3.95 220 Mulfamily Housing (Units, Mas) Dealing Units 0.64 0.16 482 Water Side Park Parking Spaces 0.28 221 Mulfamily Housing (Units, Res) Dealing Units 0.64 0.16 482 Water Side Park Facily Facily <td< td=""><td>180 Specialty Trade Contractor</td><td>1,000 SF GFA</td><td>1.97</td><td></td><td></td><td>466 Snow Ski Area</td><td>Slopes</td><td>26.00</td><td></td><td></td></td<>	180 Specialty Trade Contractor	1,000 SF GFA	1.97			466 Snow Ski Area	Slopes	26.00		
220 Multianity Housing (Low-Rise) Dwelling Units 0.44 0.18 221 Multianity Housing (Link-Rise) Dwelling Units - 0.44 0.18 221 Multianity Housing (Link-Rise) Dwelling Units - 0.36 0.19 231 Moltanity Housing (Link-Rise) Dwelling Units 0.36 0.19 488 Socoart Complex Fields 16.43 232 Hold Housing (Low-Rise) Dwelling Units 0.36 0.19 493 Racquet/Fends Club Courts 3.42 234 Makhen Hust-Floor Commercial Dwelling Units 0.46 493 Antoinc Club 1.000 SF GFA 3.42 235 Senor Adult Housing - Multing Units 0.46 493 Antoinc Club 1.000 SF GFA 3.42 255 Confining Care Retirement Community Units 0.26 Multinuting Hust-Stool 1.000 SF GFA 1.19 256 Confining Care Retirement Community Units 0.69 534 Antoin Club 534 Antoin Club 536 534 School Multing High School 1.000 SF GFA 1.19 534 535 School Multing H	RESIDENTIAL					473 Casino/Video Lottery Establishment	1,000 SF GFA	13.49		
221 Multianiy Housing (Md-Rise) Dwelling Units → 0.44 0.18 222 Multianiy Housing (Md-Rise) Dwelling Units → 0.36 0.19 231 Md-Rise Readential with 154-Floor Commercial Dwelling Units 0.32 490 Tennis Courts Courts 4.21 232 High-Rise Readential with 154-Floor Commercial Dwelling Units 0.21 491 Racquet/Tennis Club Courts 3.82 240 Mobile Hone Park Dwelling Units 0.46 493 Athlethe: Club 1.000 SF GFA 3.45 251 Senor Adult Housing - Ustached Dwelling Units 0.26 493 Athlethe: Club 1.000 SF GFA 1.01 252 Senor Adult Housing - Ustached Dwelling Units 0.18 520 Eace Earlaniania 1.000 SF GFA 1.17 254 Assted Living 1.000 SF GFA 0.18 520 Hold School / Junor High School 1.000 SF GFA 1.19 255 Confinuing Care Reariania Dwelling Units 0.63 534 Private School (K-12) Students 0.14 260 Recreationt Home Dwel	210 Single-Family Detached Housing	Dwelling Units	0.99			480 Amusement Park	Acres	3.95		
222 Multamly Housing (High-Rise) Dwelling Units → 0.36 0.19 231 MaR-Rise Residential with 1st-Roor Commercial Dwelling Units 0.36 491 Raquer Ternis Club Courts 3.82 232 Hay-Rise Residential with 1st-Roor Commercial Dwelling Units 0.46 492 Healt-Filters Club 1.000 SF GFA 6.29 240 Mobile Housing - Detached Dwelling Units 0.46 493 Ahletic Club 1.000 SF GFA 6.29 252 Senor Adult Housing - Detached Dwelling Units 0.26 1.000 SF GFA 1.37 253 Congregate Care Facility Dwelling Units 0.16 522 Heinde School (Neth School 1.000 SF GFA 1.37 254 Assted Uniting 1.000 SF GFA 0.48 520 Elementary School 1.000 SF GFA 0.49 255 Continuing Care Retirement Community Units 0.16 520 Elementary School 1.000 SF GFA 0.41 260 Recreation Homes Dwelling Units 0.28 530 Holde School (Net 2) Students 0.17 270 Residential With School	220 Multifamily Housing (Low-Rise)	Dwelling Units	0.56			482 Water Slide Park	Parking Spaces	0.28		
231 Md-Rise Residential with 1st-Floor Commercial Dwelling Units 0.36 491 Racquet/Ternis Club Courts 3.82 232 High-Rise Residential with 1st-Floor Commercial Dwelling Units 0.21 492 Health/Finess Club 1.000 SF GFA 3.45 234 Mobile Incursor Dwelling Units 0.30 493 Recreational Community Center 1.000 SF GFA 2.31 255 Senior Adult Housing - Natched Dwelling Units 0.30 493 Recreational Community Center 1.000 SF GFA 2.31 256 Congregate Care Facility Dwelling Units 0.76 522 Motile School / Junior High School 1.000 SF GFA 1.37 256 Congregate Care Facility Unling Units 0.63 530 Health School 1.000 SF GFA 0.49 257 Residential With 1st-Floor Commercial Units 0.63 530 High School 1.000 SF GFA 0.37 258 Contraget Care Facility Units 0.63 530 High School 1.000 SF GFA 0.37 260	221 Multifamily Housing (Mid-Rise)	Dwelling Units	→	0.44	0.18	488 Soccer Complex	Fields	16.43		
222 High-Rise Residential with 1st-Floor Commercial Dwelling Units 0.21 492 Health/Faness Club 1,000 SF GFA 3.45 240 Mobile Housep Orat Dwelling Units 0.46 493 Athelic Club 1,000 SF GFA 6.29 255 Senior Adult Housing - Attached Dwelling Units 0.26 493 Athelic Club 1,000 SF GFA 6.29 255 Congregate Care Faelity Dwelling Units 0.26 522 Elementary School 1,000 SF GFA 1,19 256 Continuing Care Retirement Community Units 0.16 522 High School 1,000 SF GFA 1,97 256 Seniori Adult Housing - Attached Dwelling Units 0.28 530 High School 1,000 SF GFA 1,97 256 Seniori Adult Diversion Fores Dwelling Units 0.28 534 Private School (K-81) Students 0.26 257 Rescreation Homes Dwelling Units 0.60 536 Private School (K-21) Students 0.14 250 High School Store Sch	222 Multifamily Housing (High-Rise)	Dwelling Units	→	0.36	0.19	490 Tennis Courts	Courts	4.21		
240 Mobile Home Park Dwelling Units 0.46 493 Athetic Club 1,000 SF GFA 6.29 251 Senior Adult Housing - Detached Dwelling Units 0.30 495 Recreational Community Center 1,000 SF GFA 2.31 252 Senior Adult Housing - Value Dwelling Units 0.18 502 HSTTUTTORAL 254 Assisted Ling 1,000 SF GFA 0.48 520 Elementary School 1,000 SF GFA 1.37 256 Contribuing Care Retirement Community Units 0.16 520 High School 1,000 SF GFA 0.48 0.26 265 Contribuing Care Retirement Community Units 0.63 530 High School 1,000 SF GFA 0.49 265 Timeshare Dwelling Units 0.63 530 High School 1,000 SF GFA 0.26 266 Timeshare Dwelling Units 0.69 530 High School 1,000 SF GFA 1,000	231 Mid-Rise Residential with 1st-Floor Commercial	Dwelling Units	0.36			491 Racquet/Tennis Club	Courts	3.82		
251 Senior Adult Housing - Dteatened Dwelling Units 0.30 495 Recreational Community Center 1,000 SF GFA 2.31 252 Senior Adult Housing - Attached Dwelling Units 0.26 NETTUTIONAL 1200 SF GFA 1.37 253 Congregate Care Facility Unots 0.48 520 Elementary School 1,000 SF GFA 1.19 255 Continuing Care Retirement Community Units 0.63 530 High School 1,000 SF GFA 0.97 260 Recreation Homes Dwelling Units 0.63 530 High School 1,000 SF GFA 0.97 270 Residential Planned Unit Development Dwelling Units 0.63 536 Frinzet School (K-12) Students 0.17 310 Hotel Rooms 0.60 530 Junior Y Community College 1,000 SF GFA 1.40 320 Motel Rooms 0.36 0.17 550 University/College 1,000 SF GFA 1.17 331 All Suites Hotel Rooms 0.32 550 University/College 1,000 SF GFA 2.44 33	232 High-Rise Residential with 1st-Floor Commercial	Dwelling Units	0.21			492 Health/Fitness Club	1,000 SF GFA	3.45		
252 Senior Adult Housing - Attached Dwelling Units 0.26 253 Congregate Care Facility Dwelling Units 0.18 254 Assisted Living 1,000 SF GFA 0.48 255 Continuing Care Retirement Community Units 0.16 266 Recreation Homes Dwelling Units 0.28 267 Residential Planned Unit Development Dwelling Units 0.63 270 Residential Planned Unit Development 0.69 536 Private School (K-8) Students 0.16 310 Hotel Rooms 0.60 530 Fivate School (K-12) Students 0.14 311 All Suites Hotel Rooms 0.36 0.17 550 University/College 1,000 SF GFA 1,40 320 Motel Rooms 0.38 561 Synapogue 1,000 SF GFA 4,22 330 Resort Hotel Rooms 0.38 561 Synapogue 1,000 SF GFA 4,22 330 Resort Hotel Rooms 0.34	240 Mobile Home Park	Dwelling Units	0.46			493 Athletic Club	1,000 SF GFA	6.29		
253 Congregate Care Facility Dwelling Units 0.18 520 Elementary School 1,000 SF GFA 1.37 254 Assisted Living 0,000 SF GFA 0.48 520 Middle School / Junor High School 1,000 SF GFA 1.19 255 Continuing Care Retirement Community Units 0.16 530 High School 1,000 SF GFA 0.97 266 Recreation Homes Dwelling Units 0.63 530 High School Students 0.26 270 Recreation Homes Dwelling Units 0.63 536 Private School (K-12) Students 0.17 270 Recreation Homes 0.60 S36 O.17 537 Charter Elemantary School Students 0.14 311 All Suites Hotel Rooms 0.36 0.17 550 University/College 1,000 SF GFA 2.94 320 Root Hotel Rooms 0.38 0.17 560 Church 1,000 SF GFA 2.92 330 Resort Hotel Rooms 0.38 0.11 561 Smagogue 1,000 SF GFA 2.92 3	251 Senior Adult Housing - Detached	Dwelling Units	0.30			495 Recreational Community Center	1,000 SF GFA	2.31		
254 Assisted Living 1,000 SF GFA 0.48 255 Continuing Care Retirement Community Units 0.16 260 Recreation Homes Dwelling Units 0.28 265 Timeshare Dwelling Units 0.63 270 Residential Planned Unit Development Dwelling Units 0.69 200 Rooms 0.60 Stadents 0.16 210 Hotel Rooms 0.60 Stadents 0.00 SF GFA 0.17 211 Hotel Rooms 0.60 Stadents 0.16 Stadents 0.14 212 Business Hotel Rooms 0.36 0.17 Stadents 0.00 SF GFA 2.04 213 Business Hotel Rooms 0.36 0.17 Stadents 0.00 SF GFA 1.10 220 Motel Rooms 0.36 0.17 Stadents 1.000 SF GFA 1.17 232 Botel Rooms 0.38 School I/strict Office 1.000 SF GFA 0.49 230 Rescreation Hotel Rooms 0.38 School Strict Office 1.000	252 Senior Adult Housing - Attached	Dwelling Units	0.26			INSTITUTIONAL				
255 Continuing Care Retirement Community Units 0.16 530 High School 1,000 SF GFA 0.97 260 Recreation Homes Dwelling Units 0.28 534 Private School (K-8) Students 0.26 265 Timeshare Dwelling Units 0.63 536 Private School (K-12) Students 0.17 270 Residential Planned Unit Development Dwelling Units 0.69 537 Charter Elemanary School Students 0.14 100 Motel Rooms 0.60 533 School District Office 1,000 SF GFA 2.04 310 Hotel Rooms 0.36 0.17 550 University/College 1,000 SF GFA 1.46 312 Business Hotel Rooms 0.32 560 Church 1,000 SF GFA 0.49 320 Motel Rooms 0.32 560 Church 1,000 SF GFA 2.92 330 Resort Hotel Rooms 0.41 565 Daycare Center 1,000 SF GFA 4.22 411 Public Park Acres 0.11 565	253 Congregate Care Facility	Dwelling Units	0.18			520 Elementary School	1,000 SF GFA	1.37		
260 Recreation Homes Dwelling Units 0.28 534 Private School (K-8) Students 0.26 265 Timeshare Dwelling Units 0.63 536 Private School (K-12) Students 0.17 270 Recidential Planned Unit Development Dwelling Units 0.69 536 Private School (K-12) Students 0.14 LODEINE Image: School District Office 1,000 SF GFA 2.04 538 School District Office 1,000 SF GFA 2.04 310 Hotel Rooms 0.60 1,17 530 Junior / Community College 1,000 SF GFA 1,16 312 Business Hotel Rooms 0.32 550 Univer/styl/College 1,000 SF GFA 2.92 320 Motel Rooms 0.38 - 560 Church 1,000 SF GFA 2.92 330 Recreation Melice Park Acres 0.14 - 560 Souger Center 1,000 SF GFA 2.92 330 Recreation Vehicle Park Acres 0.98	254 Assisted Living	1,000 SF GFA	0.48			522 Middle School / Junior High School	1,000 SF GFA	1.19		
260 Recreation Homes Dwelling Units 0.28 534 Private School (K-8) Students 0.26 265 Timeshare Dwelling Units 0.63 536 Private School (K-12) Students 0.17 270 Residential Planned Unit Development Dwelling Units 0.69 536 Private School (K-12) Students 0.14 200 Rooms 0.60 536 Ontor (Grimmunty College) 1,000 SF GFA 2.04 310 Hotel Rooms 0.32 - 550 University/College 1,000 SF GFA 1.86 320 Motel Rooms 0.32 - 560 Church 1,000 SF GFA 2.92 330 Resont Hotel Rooms 0.34 - 561 Synagogue 1,000 SF GFA 2.92 330 Resont Hotel Rooms 0.41 - 562 Mosque 1,000 SF GFA 2.92 330 Resont Hotel Rooms 0.41 - 562 Songue 1,000 SF GFA	255 Continuing Care Retirement Community	Units	0.16			530 High School	1,000 SF GFA	0.97		
265 Timeshare Dwelling Units 0.63 536 Private School (K-12) Students 0.17 270 Residential Planned Unit Development Dwelling Units 0.69 537 Chatrer Elemantary School Students 0.14 100 Hotel Rooms 0.60 538 School District Office 1,000 SF GFA 2.04 311 All Suites Hotel Rooms → 0.36 0.17 550 University/College 1,000 SF GFA 1.86 320 Motel Rooms 0.32 550 University/College 1,000 SF GFA 2.92 330 Resort Hotel Rooms 0.41 561 Synagogue 1,000 SF GFA 2.92 330 Resort Hotel Rooms 0.41 562 Mosque 1,000 SF GFA 2.92 330 Resort Hotel Rooms 0.41 562 Mosque 1,000 SF GFA 2.92 341 H1 Public Park Acres 0.11 565 Daycare Center 1,000 SF GFA 4.22 411 Public Park Acres 0.98 571 Prison 1,000 SF GFA 2.91 412 Marina Berths 0.21 575 Fire and Rescue Station 1,000 SF GFA 2.91 575 Fire and Rescue Station	260 Recreation Homes	Dwelling Units	0.28					0.26		
270 Residential Planned Unit Development Dwelling Units 0.69 537 Charter Elemantary School Students 0.14 LODGING 310 Hotel Rooms 0.60 538 School District Office 1,000 SF GFA 2,04 311 All Suites Hotel Rooms → 0.36 0.17 550 University/College 1,000 SF GFA 1,86 312 Business Hotel Rooms 0.32 550 University/College 1,000 SF GFA 0.49 320 Motel Rooms 0.32 560 Church 1,000 SF GFA 2.92 330 Resort Hotel Rooms 0.34 561 Synagogue 1,000 SF GFA 4.22 330 Resort Hotel Rooms 0.41 552 Mosque 1,000 SF GFA 4.22 330 Resort Hotel Rooms 0.41 552 Mosque 1,000 SF GFA 4.22 411 Public Park Acres 0.98 556 Cemetery Acres 0.46 420 Marina Berths 0.21 575 Fire and Re	265 Timeshare									
310 Hotel Rooms 0.60 540 Junior / Community College 1,000 SF GFA 1.86 311 All Suites Hotel Rooms → 0.36 0.17 550 University/College 1,000 SF GFA 1.17 312 Business Hotel Rooms 0.32 560 Church 1,000 SF GFA 0.49 320 Motel Rooms 0.38 561 Synagogue 1,000 SF GFA 2.92 330 Resort Hotel Rooms 0.41 561 Synagogue 1,000 SF GFA 4.22 330 Resort Hotel Rooms 0.41 565 Daycare Center 1,000 SF GFA 4.22 411 Public Park Acres 0.11 566 Cametery Acres 0.46 416 Campground / Recreation Vehicle Park Acres 0.98 571 Prison 1,000 SF GFA 2.91 420 Marina Berths 0.21 575 Fire and Rescue Station 1,000 SF GFA 0.48	270 Residential Planned Unit Development	ů					Students	0.14		
310 Hotel Rooms 0.60 540 Junior / Community College 1,000 SF GFA 1.86 311 All Suites Hotel Rooms 3.0 0.36 0.17 550 University/College 1,000 SF GFA 1.17 312 Business Hotel Rooms 0.32 560 Church 1,000 SF GFA 0.49 320 Motel Rooms 0.38 561 Synagogue 1,000 SF GFA 2.92 330 Resort Hotel Rooms 0.41 561 Synagogue 1,000 SF GFA 4.22 330 Resort Hotel Rooms 0.41 565 Daycare Center 1,000 SF GFA 4.22 341 Public Park Acres 0.11 566 Cametery Acres 0.46 416 Campground / Recreation Vehicle Park Acres 0.98 571 Prison 1,000 SF GFA 2.91 420 Marina Berths 0.21 575 Fire and Rescue Station 1,000 SF GFA 0.48	LODGING					538 School District Office	1.000 SE GEA	2.04		
311 All Suites Hotel Rooms → 0.36 0.17 312 Business Hotel Rooms 0.32 550 University/College 1,000 SF GFA 1.17 320 Motel Rooms 0.32 560 Church 1,000 SF GFA 0.49 320 Motel Rooms 0.38 561 Synagogue 1,000 SF GFA 2.92 330 Resort Hotel Rooms 0.41 562 Mosque 1,000 SF GFA 4.22 RECREATIONAL 411 Public Park Acres 0.11 566 Cemetery Acres 0.46 416 Campground / Recreation Vehicle Park Acres 0.98 571 Prison 1,000 SF GFA 2.91 420 Marina Berths 0.21 575 Fire and Rescue Station 1,000 SF GFA 0.48		Rooms	0.60							
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416 Campground / Recreation Vehicle Park Acres 0.98 571 Prison 1,000 SF GFA 2.91 420 Marina Berths 0.21 575 Fire and Rescue Station 1,000 SF GFA 0.48		Acres	0.11							
420 Marina Berths 0.21 575 Fire and Rescue Station 1,000 SF GFA 0.48										
400 GUILODUISE AUES 0.20 JOU WUSEUIII 1.000 SF GFA 0.18										
A11 Miniature Golf Course Holes 0.33 590 Library 1.000 SF GFA 8.16										

INSTITUTE OF TRANSPORTATION ENGINEERS COMMON TRIP GENERATION RATES (PM Peak Hour)

(Trip Generation Manual, 10th Edition)

			Setting/L	ocation				Setting/I	ocation
			General Urban/	Dense Multi-				General Urban/	Dense Multi-
Code Description	Unit of Measure	Trips Per Unit	Suburban	Use Urban	Code Description	Unit of Measure	Trips Per Unit	Suburban	Use Urban
MEDICAL									
610 Hospital	1,000 SF GFA	0.97			864 Toy/Children's Superstore	1,000 SF GFA	5.00		
620 Nursing Home	1,000 SF GFA	0.59			865 Baby Superstore	1,000 SF GFA	1.82		
630 Clinic	1,000 SF GFA	→	3.28	5.18	866 Pet Supply Superstore	1,000 SF GFA	3.55		
640 Animal Hospital / Veterinary Clinic	1,000 SF GFA	3.53			867 Office Supply Superstore	1,000 SF GFA	2.77		
650 Free-Standing Emergency Room	1,000 SF GFA	1.52			868 Book Superstore	1,000 SF GFA	15.83		
OFFICE					869 Discount Home Furnishing Superstore	1,000 SF GFA	1.57		
710 General Office Building	1,000 SF GFA	÷	1.15	0.87	872 Bed and Linen Superstore	1,000 SF GFA	2.22		
712 Small Office Building	1,000 SF GFA	2.45			875 Department Store	1,000 SF GFA	1.95		
714 Corporate Headquarters Building	1,000 SF GFA	0.60			876 Apparel Store	1,000 SF GFA	→	4.12	1.12
715 Single Tenant Office Building	1,000 SF GFA	1.74*			879 Arts and Craft Store	1,000 SF GFA	6.21		
720 Medical-Dental Office Building	1,000 SF GFA	3.46			880 Pharmacy / Drugstore without Drive-Through Window	1,000 SF GFA	8.51		
730 Government Office Building	1,000 SF GFA	1.71			881 Pharmacy / Drugstore with Drive-Through Window	1,000 SF GFA	10.29		
731 State Motor Vehicles Department	1,000 SF GFA	5.20			882 Marijuana Dispensary	1,000 SF GFA	21.83		
732 United States Post Office	1,000 SF GFA	11.21			890 Furniture Store	1,000 SF GFA	0.52		
733 Government Office Complex	1,000 SF GFA	2.82			897 Medical Equipment Store	1,000 SF GFA	1.24		
750 Office Park	1,000 SF GFA	1.07			899 Liquor Store	1,000 SF GFA	16.37		
760 Research and Development Center	1,000 SF GFA	0.49			SERVICES				
770 Business Park	1,000 SF GFA	0.42			911 Walk-In Bank	1,000 SF GFA	12.13		
RETAIL					912 Drive-In Bank	1,000 SF GFA	20.45		
810 Tractor Supply Store	1,000 SF GFA	1.40			918 Hair Salon	1,000 SF GFA	1.45		
811 Construction Equipment Rental Store	1,000 SF GFA	0.99			920 Copy, Print, and Express Ship Store	1,000 SF GFA	7.42		
812 Building Materials and Lumber Store	1,000 SF GFA	2.06			925 Drinking Place	1,000 SF GFA	11.36		
813 Free-Standing Discount Superstore	1,000 SF GFA	4.33			926 Food Cart Pod	Food Carts	3.08		
814 Variety Store	1,000 SF GFA	6.84			930 Fast Casual Restaurant	1,000 SF GFA	14.13		
815 Free Standing Discount Store	1,000 SF GFA	4.83			931 Quality Restaurant	1,000 SF GFA	7.80		
816 Hardware / Paint Store	1,000 SF GFA	2.68			932 High-Turnover (Sit-Down) Restaurant	1,000 SF GFA	→	9.77	9.80
817 Nursery (Garden Center)	1,000 SF GFA	6.94			933 Fast Food Restaurant without Drive-Through Window	1,000 SF GFA	28.34		
818 Nursery (Wholesale)	1,000 SF GFA	5.18			934 Fast Food Restaurant with Drive-Through Window	1,000 SF GFA	→	32.67	78.74
820 Shopping Center	1,000 SF GFA	3.81	3.81	4.92	Fast Food Restaurant with Drive-Through Window and No 935 Indoor Seating	1,000 SF GFA	42.65		
823 Factory Outlet Center	1,000 SF GFA	2.29	3.01	4.92	936 Coffee/Donut Shop without Drive-Through Window	1,000 SF GFA	36.31		
840 Automobile Sales (New)	1,000 SF GFA	2.29			937 Coffee/Donut Shop with Drive-Through Window	1,000 SF GFA	→	43.38	83.19
840 Automobile Sales (New)	1,000 3F GFA	2.43			Coffee/Donut Shop with Drive-Through Window Coffee/Donut Shop with Drive-Through Window and No	1,000 SF GFA	7	43.30	03.19
841 Automobile Sales (Used)	1,000 SF GFA	3.75			938 Indoor Seating	1,000 SF GFA	83.33		
842 Recreational Vehicle Sales	1.000 SF GFA	0.77			939 Bread / Donut / Bagel Shop without Drive-Through Window	1.000 SF GFA	28.00		
843 Automobile Parts Sales	1,000 SF GFA	4.91			940 Bread / Donut / Bagel Shop with Drive-Through Window	1,000 SF GFA	19.02		
848 Tire Store	1,000 SF GFA	3.98			941 Quick Lubrication Vehicle Shop	1,000 SF GFA	8.70		
849 Tire Superstore	1,000 SF GFA	2.11			942 Automobile Care Center	1,000 SF GFA	3.11		
850 Supermarket	1,000 SF GFA	9.24			943 Automobile Parts and Service Center	1,000 SF GFA	2.26		
851 Convenience Market (Open 24 Hours)	1,000 SF GFA	49.11			944 Gasoline / Service Station	1,000 SF GFA	109.27		
853 Convenience Market with Gasoline Pumps	1,000 SF GFA	49.29			945 Gasoline / Service Station with Convenience Market	1.000 SF GFA	88.35		
854 Discount Supermarket	1,000 SF GFA	8.38			947 Self Service Car Wash	Wash Stalls	5.54		
857 Discount Club	1,000 SF GFA	4.18			948 Automated Car Wash	1.000 SF GFA	14.20		
860 Wholesale Market	1,000 SF GFA	1.76			949 Car Wash and Detail Center	Wash Stalls	13.60		
861 Sporting Goods Superstore	1,000 SF GFA	→	2.02	1.65	950 Truck Stop	1,000 SF GFA	22.73		
862 Home Improvement Superstore	1,000 SF GFA	→	2.33	3.35	960 Super Convenience Market/Gas Station	1,000 SF GFA	69.28		
863 Electronics Superstore	1,000 SF GFA	4.26	2.00	0.00	970 Winerv	1,000 SF GFA	7.31		

Note: All land uses in the 800 and 900 series are entitled to a "pass-by" trip reduction of 60% if less than 50,000 ft² or a reduction of 40% if equal to or greater than 50,000 ft².

*From 9th edition, no PM peak hour in 10th

An area designated as <u>General Urban/Suburban</u> in the *Trip Generation Manual* is an area associated with almost homogeneous vehicle-centered access. Nearly all person trips that enter or exit a development site are by personal passenger or commercial vehicle.

The area can be fully developed (or nearly so) at low-medium density with a mix of residential and commercial uses. The commercial land uses are typically concentrated at intersections o spread along commercial corridors, often surrounded by low-density, almost entirely residential development. Most commercial buildings are located behind or surrounded by parking.

The mixing of land uses is only in terms of their proximity, not in terms of function. A retail land use may focus on serving a regional clientele or a services land use may target motorists or pass-by vehicle trips for its customers. Even if the land uses are complementary, a lack of pedestrian, bicycling, and transit facilities or services limit non-vehicle travel.

An area designated as **Dense Multi-Use Urban** in the *Trip Generation Manual* is a fully developed area (or nearly so), with diverse and complementary land uses, good pedestrian connectivity, and convenient and frequent transit. This area type can be a well-developed urban area outside a major metropolitan downtown or a moderate size urban area downtown.

The land use mix typically includes office, retail, residential, and often entertainment, hotel, and other commercial uses. The residential uses are typically multifamily or single-family on lots no larger than one-fourth acre. The commercial uses often have little or no setback from the sidewalk. Because the motor vehicle still represents the primary mode of travel to and from the area, there typically is on-street parking an often public off-street parking.

The complementary land uses provide the opportunity for short trips within the Dense Multi-Use Urban area, made conveniently by walking, biking, or transit. The area is served by significant transit (either rail or bus) that enables a high level of transit usage to and from area development.