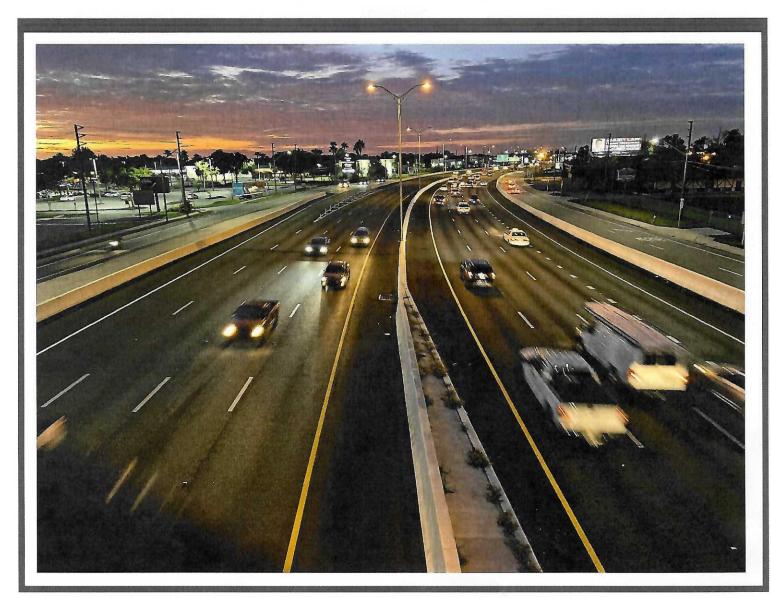




2019 Annual Level of Service Report

2018 Data Year



Length Signals LOS Physical V:Cap	Juris (miles) per Mile Meth. AADT Vol. Capacity Ratio Flag	CR 0.506 0 T 14500 757 1440	CR 0.249 4.01 T 14500 757 1683	CR 0.504 0 T 14500 757	PP 0.5 2.002 T 5202 271 572	PP 0.412 2.428 T 5118 267	PP 0.839 0 T 2456 58 1440	CR 2.01 0.995 T 21000 1097 1764	CR 1.054 1.9 T 4412 230	CR 0.517 1.934 T 4127 215 572	CR 1.506 1.488 T 3617 189 572	CR 1.02 0.98 T 8700 454	CR 2.013 1.667 T 16500 757 1764	CR 1.186 0 T 11400 595 1440	SR 0.92 0.984 T 47000 2455 1960	SR 0.64 3.721 T 39500 2063 2830	SR 0.543 0 T 39500 2063 5650	SR 2.415 1.792 T 21150 1034 924	SR 1.46/ 0.354 19033 903 924	SR 0,256 3,314 19800 1034 880	SP 0.183 U. 1750 T. 17	SR 0.318 1.972 T 33000 1774 1870	CD 2 0.012 0.012 1 27.02 17.24 10.03 CD 2 17.24 10.03 CD 2 10.03 C	SR 1.511 3.975 T 26250 1332 2830	SR 1.532 3.507 T 30700 1384 2830	SR 0.5 7.039 T 14100 736 1577	SR 0.981 5.681 T 12025 621 1776	SR 0.098 0 T 12151 634 1440	SR 1.812 0.604 T 21500 1123 924	SR 2.203 0.247 T 17800 930 924	SR 1.043 0.976 T 16300 851 880) SR 0.595 7.141 T 16300 851 830 1.025 0 F	SR 1.55 3.32 1 10400 603 6600 CR 1651 7.96 T 36500 1907 2830	SR 1.766 2.934 T 37833 1854 2940	SR 2.027 2.777 T 35200 1776 2830	SR 1.517 1.323 T 33666 1724 2940	SR 0.253 3.96 T 20500 1071 1870	SR 1.18 4.564 T 34000 1776 1960	SR 1.586 1.63 T 33500 1/50 1960	CR 2.051 0.354 T 7500 391 572	CR 1.897 0 T 3600 188 1440	CL 2.345 0 T 7996 417 1440	CR 3.564 0 T 60437 3157 5650	CR 0.501 1.998 T 4300 224 559	CR 1.516 2.477 T 23500 1227 2547	CR 2.434 1.597 T 23500 1227	CR 1.526 1.474 T 25500 1332 2646	CR 1.522 1.469 T 21000 1097 1764	CR 1.516 4.886 T 21000 1097
	E-275				MC 2U																											SA 2D														SA 6D			
Facility		365 - 102ND AVE N: (VONN RD -to- 137TH ST N)	366 - 102ND AVE N. (137TH ST N. 40- DAKHIIRST RD)	367 - 107ND AVE N. (OAKHIRST RD -to-HAMIIN BIVD)	373 - 110TH AVE N: (43RD ST N to - 49TH ST N)	374 - 110TH AVE N: (49TH ST N -to- US 19)	375 - 110TH AVE N: (US 19 -to- 62ND ST)	376 - 113TH ST N: (ULMERTON RD -to- 102ND AVE N)	378 - 118TH AVE N: (BELCHER RD -to- 66TH ST N)	381 - 118TH AVE N: (62ND ST N -to- 66TH ST N)	388 - 125TH ST N: (PARK BLVD -to- 102ND AVE N)	410 - 142ND AVE N: (66TH ST N -to- BELCHER RD)	421 - ALDERMAN RD: (ALT US 19 -to- US 19)	422 - ALDERMAN RD: (US 19 -to- HIGHLANDS BLVD)	425 - ALT US 19/BAY PINES BLVD: (W END OF BRIDGE -to- PARK ST)	426 - ALT US 19/BAY PINES BLVD: (W END OF BRIDGE -to-100TH WY)	427 - ALT US 19 BAY PINES BLVD: (100TH WY -to SEMINOLE BLVD)	428 - ALT US 19 BAYSHORE BLVD: (SKINNER BLVD -to-CURLEW RD)	429 - ALT US 19 BAYSHORE BLVD: (CURLEW RD -to- TAMPA RD)	430 - ALT US 19 BROADWAY: (MAIN ST -to-SKINNER BLVD)	431 - ALI US 19 CHESINO SI : (MYRI LE AVE - CO - CO O O O O O O O O O O O O O O O	432 - ALT US 19/COURT ST: (CHESTINGT ST +to-FT HARKISON AVE)	453 - ALI US 19/CUCHT STICKTERNUS TO THE MINE AND THE MODERNICE AN	434 - ALI US 19 EDGEWALEK DK. (MYKILE AVE -10- BROADWAT AVE.)	435 - ALT 105 19 MISSOURIAYE: (BELLEAR RD -to-E BAY DR)	437 - AT IS 19 WYRTLE AVE: (CHESTNUT ST -to- DREW ST)	438 - ALT US 19 MYRTLE AVE: (DREW ST -to-FAIRMONT ST)	439 - ALT US 19 MYRTLE AVE: (FAIRMONT ST -to- EDGEWATER DR)	440 - ALT US 19 PALM HARBOR BLVD: (TAMPA RD -to- ALDERMAN RD)	441 - ALT US 19/PALM HARBOR BLVD: (ALDERMAN RD -to- KLOSTERMAN RD)	442 - ALT US 19 PINELLAS AVE: (KLOSTERMAN RD -to- MERES BLVD)	443 - ALT US 19 PINELLAS AVE: (MERES BLVD -to- TARPON AVE)	444 - ALT US 19/PINELLAS AVE: (TARPON AVE -to-ANCLOTE AVE)	443 - ALT OS 13 SEMINOLE BEVOL: (PART RIVD - 40-102ND AVEN)	447 - ALT US 19 SEMINOLE BLVD: (102ND AVE N -to- ULMERTON RD)	448 - ALT US 19 SEMINOLE BLVD: (ULMERTON RD -to- E BAY DR)	449 - ALT US 19 TYRONE BLVD: (5TH AVE N -to- 9TH AVE N)	450 - ALT US 19 TYRONE BLVD: (9TH AVE N -to-66TH ST N)	451 - ALT US 19 TYRONE BLVD: (66TH ST N -to- 38TH AVE N)	452 - ALT US 19 TYRONE BLVD: (38TH AVE N -to-PARK ST)	450 - ANULOID BLUY (ANULOID IN DUI OF AUTOMATOR BUY) ANULOID BUY (ANULOID BUY) (ANULOID BUY) (ANULOID BUY)	HAT MINICUL NO, FOR THE OLD LOW MINICAL AND ANY CONTROLL OF THE MAIN CT.	476 - BAYSIDE BRIDGE: (SR 686 ROOSEVELT BLVD -to- GULF-TO-BAY BLVD)	487 - BECKETT WAY: (US 19 -to- OLD DIXIE HWY)	489 - BELCHER RD: (BRYAN DAIRY RD -to- PARK BLVD)	490 - BELCHER RD: (BRYAN DAIRY RD -to- ULMERTON RD)	491 - BELCHER RD: (ULMERTON RD -to- EAST BAY DR)	492 - BELCHER RD: (EAST BAY DR -to- BELLEAIR RD)	493 - BELCHER RD: (BELLEAIR RD -to- GULF-TO-BAY BLVD)

Land Use: 220 Multifamily Housing (Low-Rise)

Description

Low-rise multifamily housing includes apartments, townhouses, and condominiums located within the same building with at least three other dwelling units and that have one or two levels (floors). Multifamily housing (mid-rise) (Land Use 221), multifamily housing (high-rise) (Land Use 222), and off-campus student apartment (Land Use 225) are related land uses.

Additional Data

In prior editions of *Trip Generation Manual*, the low-rise multifamily housing sites were further divided into rental and condominium categories. An investigation of vehicle trip data found no clear differences in trip making patterns between the rental and condominium sites within the ITE database. As more data are compiled for future editions, this land use classification can be reinvestigated.

For the three sites for which both the number of residents and the number of occupied dwelling units were available, there were an average of 2.72 residents per occupied dwelling unit.

For the two sites for which the numbers of both total dwelling units and occupied dwelling units were available, an average of 96.2 percent of the total dwelling units were occupied.

This land use included data from a wide variety of units with different sizes, price ranges, locations, and ages. Consequently, there was a wide variation in trips generated within this category. Other factors, such as geographic location and type of adjacent and nearby development, may also have had an effect on the site trip generation.

Time-of-day distribution data for this land use are presented in Appendix A. For the 10 general urban/suburban sites with data, the overall highest vehicle volumes during the AM and PM on a weekday were counted between 7:15 and 8:15 a.m. and 4:45 and 5:45 p.m., respectively. For the one site with Saturday data, the overall highest vehicle volume was counted between 9:45 and 10:45 a.m. For the one site with Sunday data, the overall highest vehicle volume was counted between 11:45 a.m. and 12:45 p.m.

For the one dense multi-use urban site with 24-hour count data, the overall highest vehicle volumes during the AM and PM on a weekday were counted between 7:00 and 8:00 a.m. and 6:15 and 7:15 p.m., respectively.

For the three sites for which data were provided for both occupied dwelling units and residents, there was an average of 2.72 residents per occupied dwelling unit.

The average numbers of person trips per vehicle trip at the five general urban/suburban sites at which both person trip and vehicle trip data were collected were as follows:

- 1.13 during Weekday, Peak Hour of Adjacent Street Traffic, one hour between 7 and 9 a.m.
- 1.21 during Weekday, Peak Hour of Adjacent Street Traffic, one hour between 4 and 6 p.m.



The sites were surveyed in the 1980s, the 1990s, the 2000s, and the 2010s in British Columbia (CAN), California, District of Columbia, Florida, Georgia, Illinois, Indiana, Maine, Maryland, Minnesota, New Jersey, New York, Ontario, Oregon, Pennsylvania, South Dakota, Tennessee, Texas, Utah, Virginia, and Washington.

It is expected that the number of bedrooms and number of residents are likely correlated to the number of trips generated by a residential site. Many of the studies included in this land use did not indicate the total number of bedrooms. To assist in the future analysis of this land use, it is important that this information be collected and included in trip generation data submissions.

Source Numbers

168, 187, 188, 204, 211, 300, 305, 306, 319, 320, 321, 357, 390, 412, 418, 525, 530, 571, 579, 583, 864, 868, 869, 870, 896, 903, 918, 946, 947, 948, 951



Table 1
Comparison of ITE Residential Land Use Codes, 4-6 PM Peak hour Trip Rates

April 6, 2021

ITE LUC	Description	Number of Dwelling Units per Building	Number of Floors	Average 4-6 PM Peak Hour Trip Rate
210	single family, detached Housing	1	unknown	0.99
220	multifamily housing, low-rise	Minimum of 4	1 to 2	0.56
221	multifamily housing, mid-rise	Minimum of 4	3 to 10	0.44
222	multifamily housing, high-rise	unknown	more than 10	0.36