







**2024 Roadway Network Capacity Report**  
(Updated 05/14/2024)

Count Station #	Count Source	ROADWAY	FROM	TO	Area Type (U/T/R)	Facility Type	Functional Class	Adjusted Service Volumes (Peak Hour Peak Direction)				Latest Count Year	Count Date (mm/dd)	Week	ADT	AADT	PM Peak Hour									
								B	C	D	E						NB/EB	SB/WB	Pk Hr Total	Pk Dir	K-Factor	D-Factor	Pk Hr Pk Dir Vol	LOS	Capacity	V/C
921008	FDOT	US 192	US 441/SR 15/Holopaw Rd	Brevard County Line	RU	H	Principal Art	1,410	2,210	2,800	3,180	2023	N/A	N/A	N/A	9,300	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,210	NA
925017	FDOT	US 192-441	Main St/US 441-17/92	Michigan Ave/Oak St	U	A1	Principal Art	2,520	3,000	3,090	3,090	2023	N/A	N/A	N/A	49,500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3,090	NA
906	OC	US 192-441	Michigan Ave/Oak St	Fortune Rd	U	A2	Principal Art	0	2,180	2,810	2,970	2024	3/6	10	59,093	57,320	2412	1795	4,207	NB/EB	0.071	0.57	2,412	D	2,810	0.86
907	OC	US 192-441	Fortune Rd	Shady Ln/Fla Turnpike	U	A1	Principal Art	2,520	3,000	3,090	3,090	2024	3/26	13	53,030	51,969	1844	2010	3,854	SB/WB	0.073	0.52	2,010	B	3,090	0.65
908	OC	US 192-441	Shady Ln/Fla Turnpike	Partin Settlement Rd	U	A2	Principal Art	0	2,180	2,810	2,970	2024	4/3	14	65,976	64,656	2004	2839	4,843	SB/WB	0.073	0.59	2,839	E	2,810	1.01
925	OC	US 192-441	Partin Settlement Rd	Commerce Center Dr	U	A1	Principal Art	2,520	3,000	3,090	3,090	2024	4/3	14	59,281	58,095	2391	1666	4,057	NB/EB	0.068	0.59	2,391	B	3,090	0.77
920105	FDOT	US 192-441	Commerce Center Dr	Columbia Ave/Budinger Ave	U	A2	Principal Art	0	2,080	2,680	2,830	2023	N/A	N/A	N/A	42,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,680	NA
925021	FDOT	US 192-441	Columbia Ave/Budinger Ave	Mississippi Ave	U	A2	Principal Art	0	2,080	2,680	2,830	2023	N/A	N/A	N/A	41,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,680	NA
927	OC	US 192-441	Mississippi Ave	Narcoossee Rd (CR 15)/Hickory	U	A2	Principal Art	0	2,180	2,810	2,970	2024	3/21	12	47,238	45,821	1689	1568	3,257	NB/EB	0.069	0.52	1,689	C	2,810	0.60
920255	FDOT	US 192-441	Narcoossee Rd (CR 15)/Hickory	Nova Rd (CR 532)	U	H	Principal Art	2,660	3,840	4,980	5,650	2023	N/A	N/A	N/A	41,500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4,980	NA
909	OC	US 192-441	Nova Rd (CR 532)	Old Melbourne Hwy	U	H	Principal Art	1,770	2,560	3,320	3,760	2024	3/20	12	33,117	32,123	1245	1225	2,470	NB/EB	0.075	0.50	1,245	B	3,320	0.38
920304	FDOT	US 192-441	Old Melbourne Hwy	US 441/SR 15/Holopaw Rd	T	H	Principal Art	1,670	2,420	3,130	3,550	2023	N/A	N/A	N/A	20,500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,420	NA
920044	FDOT	US 441/SR 15/Kenansville Rd	SR 60	Canoe Creek Rd/CR 523	RU	H	Principal Art	240	430	740	1,480	2023	N/A	N/A	N/A	1,600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	430	NA
921006	FDOT	US 441/SR 15/Kenansville Rd/Ho	Canoe Creek Rd/CR 523	US 192	RU	H	Principal Art	240	430	740	1,480	2023	N/A	N/A	N/A	3,300	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	430	NA
920100	FDOT	US 441-17/92 (N Orange Blossom	Donegan Ave	Carroll St	U	A1	Principal Art	1,640	1,980	2,060	2,060	2023	N/A	N/A	N/A	40,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,060	NA
912	OC	US 441-17/92 (N Orange Blossom	Carroll St	Osceola Pkwy	U	A1	Principal Art	1,640	1,980	2,060	2,060	2024	3/6	10	43,826	42,511	1407	1900	3,307	SB/WB	0.075	0.57	1,900	C	2,060	0.92
916	OC	US 441-17/92 (N Orange Blossom	Osceola Pkwy	Orange County Line	U	A1	Principal Art	2,520	3,000	3,090	3,090	2024	3/6	10	40,178	38,973	1368	1924	3,292	SB/WB	0.082	0.58	1,924	B	3,090	0.62
1004	OC	Vermont Ave	Lakeshore Blvd	US 192	U	A1	Local	370	590	630	630	2024	3/21	12	2,145	2,081	79	132	211	SB/WB	0.098	0.63	132	B	630	0.21
NA7	OC	Westside Blvd	Armadillo Ave	Goodman Road	U	A1	Collector	1,470	1,790	1,850	1,850	2024	4/2	14	7,139	6,996	213	254	467	SB/WB	0.065	0.54	254	B	1,850	0.14
NA6	OC	Westside Blvd	Florence Villa Grove Rd	Funie Steed Rd	U	A1	Collector	1,470	1,790	1,850	1,850	2024	2/27	9	21,619	20,970	763	914	1,677	SB/WB	0.078	0.55	914	B	1,850	0.49
NA5	OC	Westside Blvd	Funie Steed Rd	US 192	U	A1	Collector	1,470	1,790	1,850	1,850	2024	4/2	14	15,376	15,068	505	742	1,247	SB/WB	0.081	0.60	742	B	1,850	0.40
2026	OC	Westside Blvd	Polk County Line	Oasis Club Blvd./Olympic Club B	U	A1	Local	460	740	790	790	2024	4/10	15	7,451	7,376	274	405	679	SB/WB	0.091	0.60	405	B	790	0.51
9003	OC	Westside Blvd	Oasis Club Blvd	Bella Citta Blvd	U	A1	Local	500	810	870	870	2024	4/2	14	7,008	6,868	307	455	762	SB/WB	0.109	0.60	455	B	870	0.52
9004	OC	Westside Blvd	Bella Citta Blvd	TWA Property	U	A1	Local	1,400	1,700	1,760	1,760	2024	2/27	9	6,545	6,349	273	257	530	NB/EB	0.081	0.52	273	B	1,760	0.16
310	OC	Woodcrest Blvd	Michigan Ave	Bill Beck Blvd	U	A1	Collector	460	740	790	790	2009	4/22	17	7,470	7,395	372	228	600	NB/EB	0.080	0.62	372	B	790	0.47
124	OC	World Dr	I-4	US 192	U	A1	Minor Art	1,400	1,700	1,760	1,760	2024	3/21	12	16,328	15,838	688	901	1,589	SB/WB	0.097	0.57	901	B	1,760	0.51
114	OC	World Dr	US 192	Osceola Pkwy	U	F	Minor Art	3,300	4,580	5,580	6,200	2024	3/21	12	29,108	28,235	907	1243	2,150	SB/WB	0.074	0.58	1,243	B	5,580	0.22
1005	OC	Zuni Rd	Jack Brack Rd	Cyrils Dr	U	A1	Collector	460	740	790	790	Under Construction														

Under Construction

FDOT Stations - 2023 AADT obtained from 2023 FTO

# 2024 Roadway Network Capacity Report

## Column Descriptions

The following is a detailed description of each column of the 2024 Roadway Network Capacity Report.

**1. Count Station#:**

- a. County Stations: This is either three-digit number or four-digit number assigned for each count location.
- b. FDOT Stations: This is a six-digit number representing a state-maintained road. The first two digits represent county number (#90), and the next four digits represent station number.

**2. Count Source:** "OC" represents Osceola County and "FDOT" represents Florida Department of Transportation.

**3. Roadway:** This is the Local Road name or State Road name.

**4. From:** This indicates the start of a roadway segment generally in text format. It can be a street name, city, county boundary, major landmark.

**5. To:** This indicates the end of the section number generally in text format. It can be a street name, city, county boundary, major landmark.

**6. Area Type:** The following abbreviations are used in this column.

- a. "U": Urbanized Areas
- b. "T": Transitioning Areas
- c. "RU": Rural Undeveloped Areas.
- d. "RD": Rural Developed Areas.

**7. Facility Type:** The following abbreviations are used in this column.

- a. "A" is for Arterial. Further Arterials were divided into 3 classes:
  - i. "A1" is for Arterial Class 1 (< 2 signals per mile)

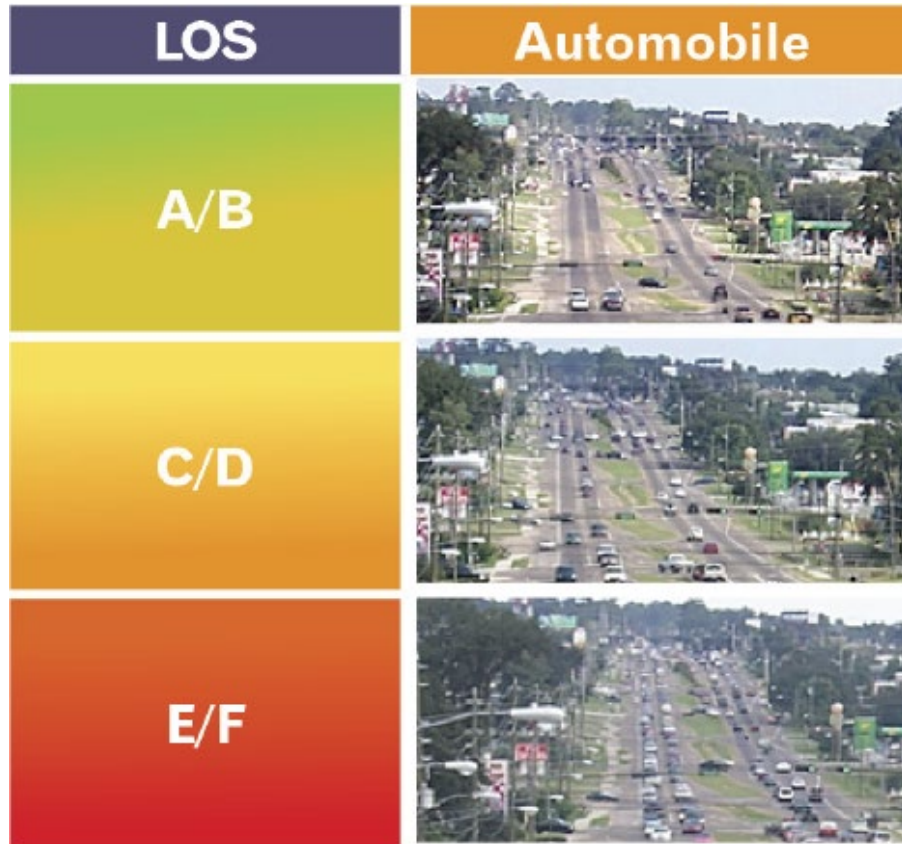
- ii. "A2" is for Arterial Class 2 (2 to 4.5 signals per mile)
- iii. "A3" is for Arterial Class 3 (> 4.5 signals per mile)
- b. "H" is for Highway.
- c. "F" is for Freeway.

8. **Functional Class:** This indicates the Functional Classification of the roadway. The different types of functional classification are:

- Freeway
- Principal Arterial – Other
- Minor Arterial
- Collector
- Major Collector
- Minor Collector
- Local

9. **Adjusted Service Volumes:** This column represents the capacity of roadway adjusted for the various input conditions based on Area Type, Facility Type, presence of median, one-way/2-way, left turn bays, right turn bays, and existing number of lanes etc. This column provides adjusted capacity for peak hour peak direction conditions for LOS grades B through F. **Capacity is defined as** the maximum sustainable flow rate at which persons or vehicles can be expected to traverse a point or a uniform section of roadway during a given time period under prevailing conditions. The following **Figure 1** represents LOS grades B through F.

Figure 1: LOS Grades



**10. Latest Count Year:** This column represents year the count was collected.

**11. Count Date (mm/dd):** This column represents month & date the count was collected.

**12. Week:** This column represents in which week of the year the count was collected (e.g., 10<sup>th</sup> week from the start of the year)

**13. ADT: Average Daily Traffic-** The 2-way traffic volume collected during a given period in whole days. ADT can be based on the simple average of any short-term traffic counts (24-hour, 48-hour and 72-hour traffic counts collected in the field) at least 24 hours long.

**14. AADT: Annual Average Daily Traffic-** The total 2-way volume of traffic passing a point or segment of a highway facility in both directions for one year divided by the number of days in the year. The ADT can be converted to AADT by using seasonal factors (provided by FDOT).

The following columns are based on PM Peak Count information.

- 15. Pk Hr Total:** This column provides the PM peak hour two-way traffic volumes.
- 16. NB/SB:** This column provides the peak hour volume in one direction (NB or SB) for the given Peak hour total.
- 17. EB/WB:** This column provides the peak hour volume in one direction (EB or WB) for the given Peak hour total.
- 18. Pk Dir:** This column provides the direction of the peak hour traffic volume.
- 19. K-Factor:** The K factor is defined as the proportion of AADT occurring in the peak hour.
- 20. D-Factor:** The D factor is the percentage of the peak direction one-way traffic volume over the total two-way peak hour traffic volume.
- 21. PK Hr Pk Dir Vol:** This column provides the peak hour peak directional volume (based on above #15, #16 & # 17).
- 22. LOS:** The quality of service (QOS) is a traveler-based perception of how well a transportation service or facility operates. The Level of Service (LOS) is a quantitative stratification of the QOS into six letter grades as shown in **Figure 1**.
- 23. Capacity:** This column provides capacity for the corresponding LOS target. The LOS targets are consistent with FDOT's Policy on Level of Service Targets, Topic No. 000-525-006. The policy outlines the automobile mode LOS targets during peak travel hours are D in urbanized areas and C outside urbanized areas. (This is based on adjusted capacities provided in #9).
- 24. V/C:** Volume/Capacity ratio is a measure that reflects mobility and quality of travel of a facility or a section of facility. This column calculates Volume/Capacity ratio based on peak hour peak directional volume (#21) and Capacity (#24). For example, a V/C of 1.0 indicates the roadway facility is operating at its capacity.