



## **Appendix 12.3**

# **Traffic Impact Analysis**

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**City of Artesia General Plan Circulation Element Update  
Street Classifications and Level of Service Thresholds**

Street Classification	Lanes	Cross-Sections (Curb-to-Curb / R.O.W.)	Daily Level of Service (LOS) Thresholds				
			A	B	C	D	E
Primary Highway / Primary Arterial	6	102'-108' / 122'-128'	25,000	35,000	50,000	55,000	60,000
Primary Highway / Primary Arterial	4	78'-82' / 98'-102'	15,000	21,000	30,000	35,000	40,000
Secondary Highway / Secondary Arterial	4	64'-72' / 84'-92'	10,000	14,000	20,000	25,000	30,000
Collector (with TWLTL)	2	50' / 70'	5,000	7,000	10,000	13,000	15,000
Collector (no TWLTL)	2	40' / 60'	2,500	3,500	5,000	6,500	8,000

Note: Street cross-sections and LOS thresholds are based on the San Diego Association of Governments (SANDAG) Congestion Management Program (CMP) Traffic Impact Study Guidelines.

Note: TWLTL = Two-Way Left-Turn Lane (continuous lane painted in center median)

**Artesia General Plan Update Roadway Segment Analysis**

Segment	Location	Existing Classification (# Lanes)	LOS E Capacity <sup>(1)</sup>	Existing Conditions			Buildout of GPLU Conditions (Year 2030)						Change in V/C
				ADT	V/C	LOS	20-Year GF <sup>(2)</sup>	ADT with GF	Total GPLU Trips	ADT with GF+GPLU	V/C	LOS	
Alburtis Ave.	North of 183rd St.	Collector (2)	8,000	3,127	0.391	A	NA	NA	646	3,773	0.472	A	0.081
Pioneer Blvd.	North of SR-91	Primary Arterial (4)	40,000	24,491	0.612	B	1.085	26,563	2,772	29,335	0.733	C	0.121
	SR-91 to Artesia Blvd.	Primary Arterial (4)	40,000	32,581	0.815	D	1.085	35,337	6,256	41,593	1.040	F	0.225
	Artesia Blvd. to 183rd St.	Primary Arterial (4)	40,000	22,325	0.558	A	1.085	24,214	4,485	28,699	0.717	C	0.159
	183rd St. to 186th St.	Primary Arterial (4)	40,000	16,410	0.410	A	1.085	17,798	3,670	21,468	0.537	A	0.126
	186th St. to 187th St.	Primary Arterial (4)	40,000	16,821	0.421	A	1.085	18,244	3,537	21,781	0.545	A	0.124
	187th St. to 188th St.	Primary Arterial (4)	40,000	14,142	0.354	A	1.085	15,338	3,139	18,477	0.462	A	0.108
	188th St. to South St.	Primary Arterial (4)	40,000	15,225	0.381	A	1.085	16,513	3,144	19,657	0.491	A	0.111
	South of South St.	Primary Arterial (4)	40,000	16,637	0.416	A	1.085	18,044	907	18,951	0.474	A	0.058
Norwalk Boulevard	South of South St.	Secondary Arterial (4)	30,000	24,472	0.816	D	1.085	26,542	1,731	28,273	0.942	E	0.127
176th Street	West of Pioneer Blvd.	Collector (2)	8,000	4,500	0.563	A	NA	NA	646	5,146	0.643	B	0.081
183rd Street	East of Norwalk Blvd.	Secondary Arterial (4)	30,000	14,219	0.474	A	1.085	15,422	776	16,198	0.540	A	0.066
South Street	West of Pioneer Blvd.	Primary Arterial (4)	40,000	22,889	0.572	A	1.085	24,825	2,132	26,957	0.674	B	0.102
	Pioneer Blvd. to Norwalk Blvd.	Primary Arterial (4)	40,000	24,087	0.602	B	1.085	26,125	1,708	27,833	0.696	B	0.094
	East of Norwalk Blvd.	Primary Arterial (4)	40,000	23,438	0.586	A	1.085	25,421	1,433	26,854	0.671	B	0.085

Note: Deficient level of service indicated in **bold**.

NA = Not Applicable

<sup>(1)</sup> The SANDAG CMP roadway segment level of service capacity thresholds are applied to City of Artesia General Plan Update analysis.

<sup>(2)</sup> The 20-year general growth factor suggested for the Gateway Regional Statistical Area in the LA County CMP Guidelines is approximately 1.14. The growth factor shown in this table includes a 40% reduction of the general growth factor. This reduction takes into account that the general growth factor includes growth in the immediate area as well as regional growth.



