



TFMS - Segment Forecast Report

Username	Email	Script Import Date	Script Version	Model Version
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Forecast Summary

Project ID	Project Name	Opening Year	Design Year
		2032	2052

Project Description

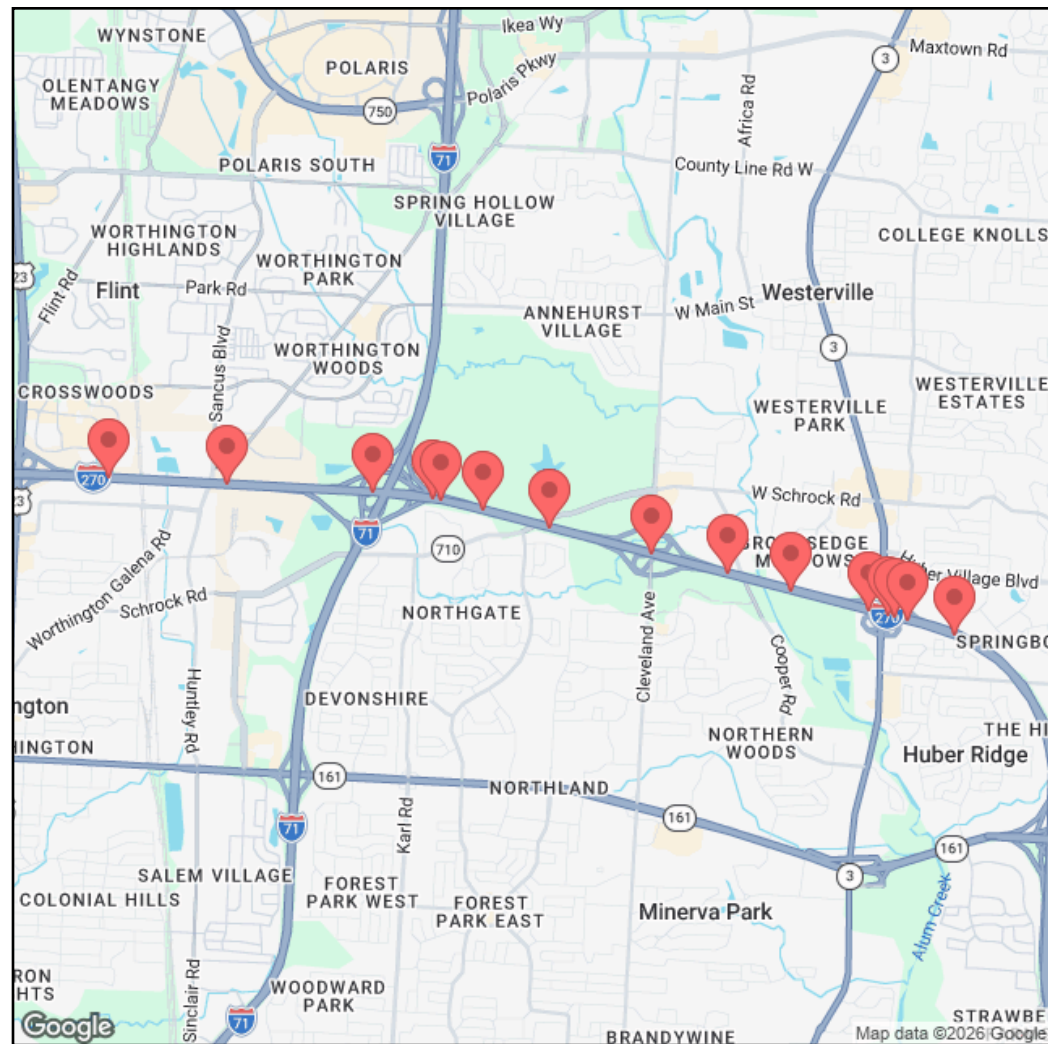
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude	Local Id
2458028	SFRAIR00270**C	24.120	24.461	0.341	-83.0070226646243	40.1115090115344	44625
2458029	SFRAIR00270**C	24.461	25.441	0.980	-82.9945666246693	40.1110081218483	44625
2458034	SFRAIR00270**C	25.441	26.101	0.660	-82.9791085451178	40.1103885093761	44625
2458035	SFRAIR00270**C	26.101	26.124	0.023	-82.9727116770718	40.1098594858913	44625
2458037	SFRAIR00270**C	26.124	26.200	0.076	-82.9717957938431	40.1097232580671	44725
2458039	SFRAIR00270**C	26.200	26.610	0.410	-82.9673448380593	40.1088733232956	44725
2458040	SFRAIR00270**C	26.610	26.970	0.360	-82.9603049400595	40.1074957298997	44725
2458041	SFRAIR00270**C	26.970	27.797	0.827	-82.9494496938644	40.1053608576915	44725
2458046	SFRAIR00270**C	27.797	27.839	0.042	-82.9415121245017	40.1037817631309	44825
2458047	SFRAIR00270**C	27.839	28.544	0.705	-82.9346807398924	40.1024310952751	44825
2458048	SFRAIR00270**C	28.544	28.730	0.186	-82.9265321891554	40.1008381468826	44825
2458050	SFRAIR00270**C	28.730	28.774	0.044	-82.9244268267868	40.1004234482233	44825
2458051	SFRAIR00270**C	28.774	28.798	0.024	-82.9238047622105	40.1003003627355	44925
2458052	SFRAIR00270**C	28.798	28.928	0.130	-82.9223970873299	40.1000217966615	44925
2458053	SFRAIR00270**C	28.928	29.357	0.429	-82.9173435353092	40.0988671824744	44925

Forecast Information

Segment ID	2032 AADT	2052 AADT	DHV-30	K%	D%	T24%	TD%
2458028	177,000	189,000	22,500	12.0	54.0	20	17
2458029	181,000	204,000	20,500	10.0	50.8	19	16
2458034	176,000	187,000	18,500	10.0	100.0	19	8
2458035	179,000	198,000	20,000	10.0	54.8	18	10
2458037	177,000	206,000	33,500	16.3	50.7	17	13
2458039	177,000	208,000	34,000	16.3	50.7	17	13
2458040	177,000	207,000	33,500	16.3	50.7	17	13
2458041	177,000	205,000	33,500	16.3	50.7	18	13
2458046	173,000	206,000	26,000	12.5	50.8	18	13
2458047	173,000	207,000	26,000	12.5	50.8	18	13
2458048	172,000	206,000	26,000	12.5	50.8	18	13
2458050	168,000	187,000	23,500	12.5	50.8	20	15
2458051	167,000	186,000	24,000	13.0	100.0	20	17
2458052	171,000	201,000	20,000	10.0	59.6	18	18
2458053	171,000	201,000	20,000	10.0	60.2	18	16



Definitions:

- o AADT – Annual Average Daily Traffic
- o DHV30 – Design Hour Volume for 30th highest hour of the year
- o $DHV30 = K * AADT$
- o K % – Design Hour Factor
- o D % – Peak Direction Factor
- o T24 % – Percent Daily Trucks
- o TD % – Percent Design Hour Trucks

Forecast Segment ID	Route	BMP	EMP
2458028	SFRAIR00270**C	24.120	24.461

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	12.0	20	151,000	Average	0.100	0.100
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
188,000	54.0	17	37,000	Average	1.600	1.600

Regression

Method Number	PA AADT	BC AADT	AADT
2	143,079	43,689	186,768

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
55363	179063	29071	65700	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.32	2.36	0	0	132,485	39,979	134,632	41,758
2	-0.09	2.66	5	5	145,437	42,940	143,079	43,689
3	-0.58	2.85	0	0	121,472	43,673	125,138	44,942
4	-0.32	3.22	5	5	135,487	47,255	134,608	47,363
5	-0.74	3.41	0	0	115,035	47,785	119,391	48,614
6	-0.48	3.78	5	5	129,049	51,366	128,860	51,033

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	30,666	187,657	9,057	29,071	0.33	0.43
2	RAT	1.22	190,899	1.53	30,560	0.38	0.66
3	MRAT	1.11	190,589	1.16	30,350	0.38	0.63
4	RAF		189,123		29,710	0.36	0.53
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.400		0.500	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
158586	160339	29071	30560	187657	190899

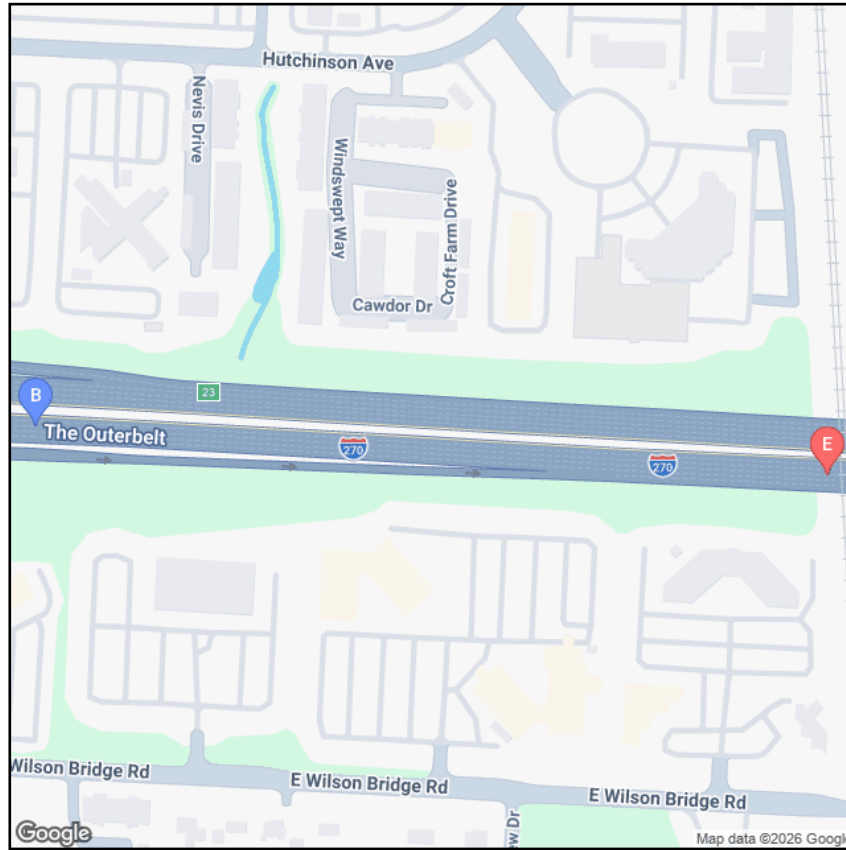
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Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2010	163,950	147,520	16,430
2013	168,444	151,564	16,880
2016	169,516	152,529	16,987
2019	172,995	151,370	21,625
2022	158,032	137,334	20,698
* 2025	172,647	146,403	26,244

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458028	SFRAIR00270**C	24.120	24.461	0.341	177,000	189,000	22500	12.0	54.0	20	17

Forecast Segment ID	Route	BMP	EMP
2458029	SFRAIR00270**C	24.461	25.441

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	10.0	18	164,000	Average	0.500	0.500
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
201,000	50.8	16	37,000	Average	1.600	1.600

Regression

Method Number	PA AADT	BC AADT	AADT
2	143,079	43,689	186,768

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
55363	185687	29760	65700	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.32	2.36	0	0	132,485	39,979	134,632	41,758
2	-0.09	2.66	5	5	145,437	42,940	143,079	43,689
3	-0.58	2.85	0	0	121,472	43,673	125,138	44,942
4	-0.32	3.22	5	5	135,487	47,255	134,608	47,363
5	-0.74	3.41	0	0	115,035	47,785	119,391	48,614
6	-0.48	3.78	5	5	129,049	51,366	128,860	51,033

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	3,652	215,447	6,865	29,760	1.07	0.54
2	RAT	1.02	216,372	1.35	31,005	1.06	0.73
3	MRAT	1.25	216,185	1.18	30,814	1.06	0.70
4	RAF		215,816		30,287	1.07	0.62
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		1.100		0.600	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
185367	185687	29760	31005	215127	216692

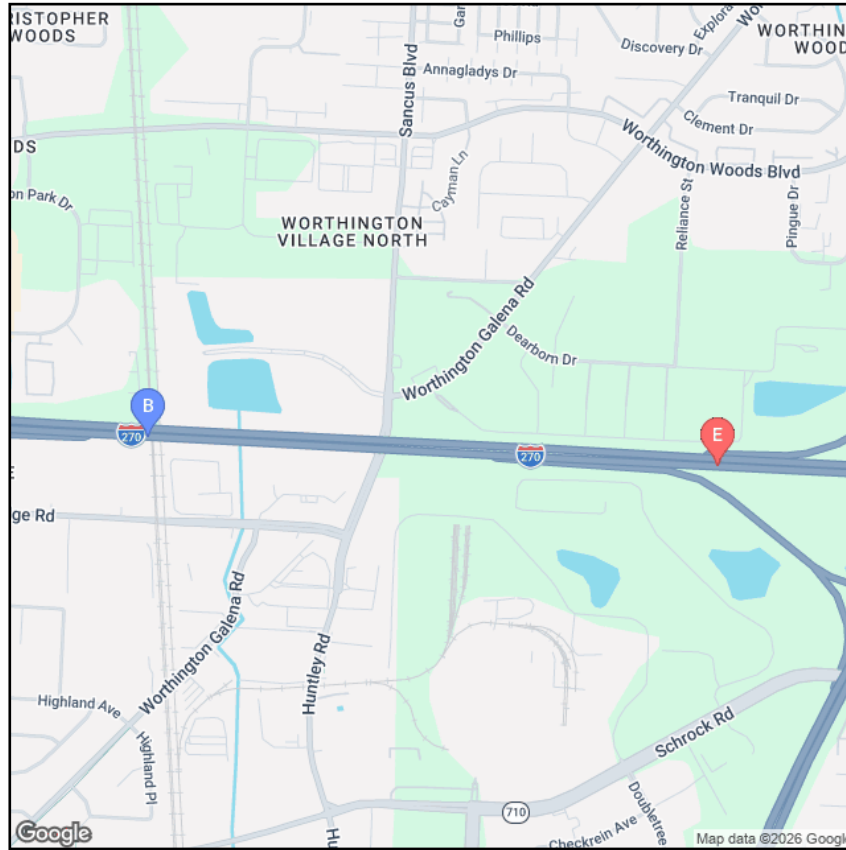
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Historical Count

Year	All	Cars	Trucks
2010	163,950	147,520	16,430
2013	168,444	151,564	16,880
2016	169,516	152,529	16,987
2019	172,995	151,370	21,625
2022	158,032	137,334	20,698
* 2025	172,647	146,403	26,244

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458029	SFRAIR00270**C	24.461	25.441	0.980	181,000	204,000	20500	10.0	50.8	19	16

Forecast Segment ID	Route	BMP	EMP
2458034	SFRAIR00270**C	25.441	26.101

Forecast						
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	10.0	19	151,000	Average	0.100	0.100
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
186,000	100.0	8	35,000	Average	1.300	1.300

Regression			
Method Number	PA AADT	BC AADT	AADT
2	143,079	43,689	186,768

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
55363	189357	22381	65700	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.32	2.36	0	0	132,485	39,979	134,632	41,758
2	-0.09	2.66	5	5	145,437	42,940	143,079	43,689
3	-0.58	2.85	0	0	121,472	43,673	125,138	44,942
4	-0.32	3.22	5	5	135,487	47,255	134,608	47,363
5	-0.74	3.41	0	0	115,035	47,785	119,391	48,614
6	-0.48	3.78	5	5	129,049	51,366	128,860	51,033

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	121,633	184,198	22,338	25,669	0.33	-0.09
2	RAT	3.38	211,738	6.72	22,381	1.17	-0.59
3	MRAT	1.23	206,654	0.85	22,381	1.03	-0.59
4	RAF		195,426		24,025	0.68	-0.34
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Difference		Difference		0.300		-0.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
158529	189357	22381	25669	180910	215026

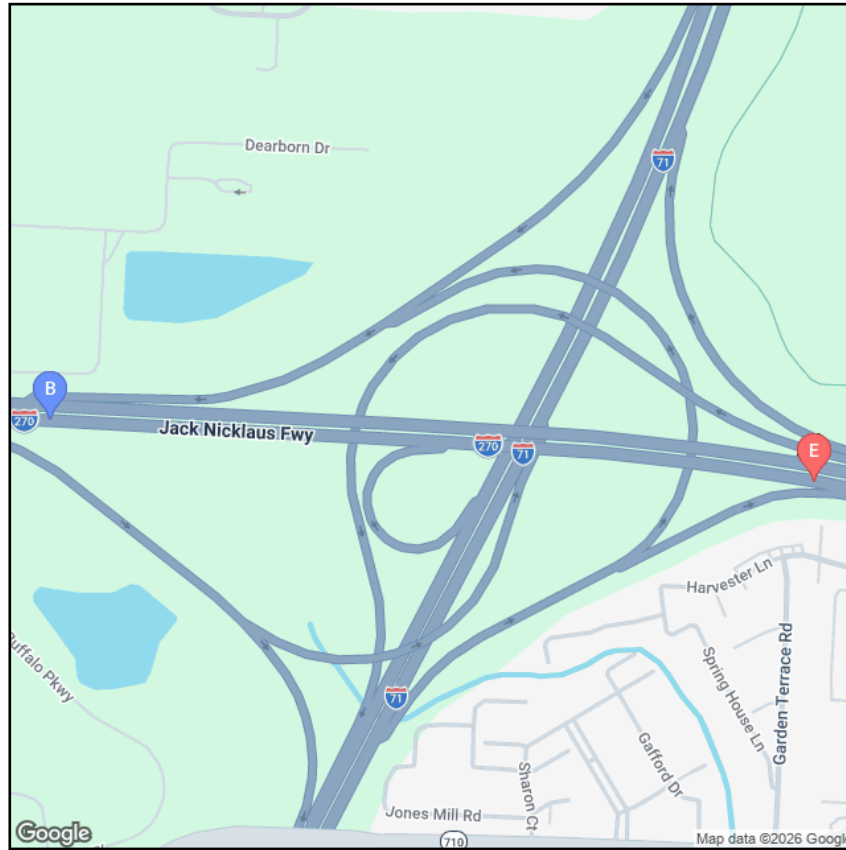
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Historical Count

Year	All	Cars	Trucks
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2016	169,516	152,529	16,987
2019	172,995	151,370	21,625
2022	158,032	137,334	20,698
* 2025	172,647	146,403	26,244

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458034	SFRAIR00270**C	25.441	26.101	0.660	176,000	187,000	18500	10.0	100.0	19	8

Forecast Segment ID	Route	BMP	EMP
2458035	SFRAIR00270**C	26.101	26.124

Forecast						
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	10.0	18	162,000	Average	0.400	0.400
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
197,000	54.8	9	35,000	Average	1.300	1.300

Regression			
Method Number	PA AADT	BC AADT	AADT
2	143,079	43,689	186,768

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
55363	188601	24184	65700	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.32	2.36	0	0	132,485	39,979	134,632	41,758
2	-0.09	2.66	5	5	145,437	42,940	143,079	43,689
3	-0.58	2.85	0	0	121,472	43,673	125,138	44,942
4	-0.32	3.22	5	5	135,487	47,255	134,608	47,363
5	-0.74	3.41	0	0	115,035	47,785	119,391	48,614
6	-0.48	3.78	5	5	129,049	51,366	128,860	51,033

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	51,085	200,909	16,712	25,496	0.79	-0.11
2	RAT	1.42	212,785	2.75	24,184	1.15	-0.31
3	MRAT	1.23	210,545	0.92	24,184	1.09	-0.31
4	RAF		205,727		24,840	0.94	-0.21
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		0.900		-0.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
175413	188601	24184	25496	199597	214097

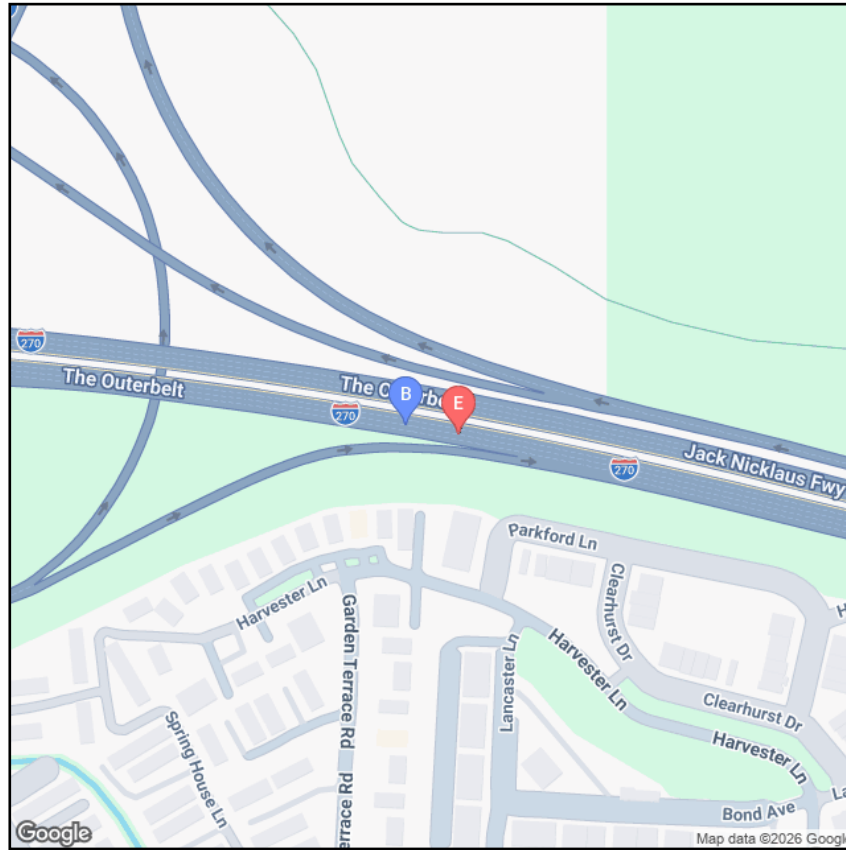
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Historical Count

Year	All	Cars	Trucks
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2013	168,444	151,564	16,880
2016	169,516	152,529	16,987
2019	172,995	151,370	21,625
2022	158,032	137,334	20,698
* 2025	172,647	146,403	26,244

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458035	SFRAIR00270**C	26.101	26.124	0.023	179,000	198,000	20000	10.0	54.8	18	10

Forecast Segment ID	Route	BMP	EMP
2458037	SFRAIR00270**C	26.124	26.200

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 16.3	15	168,000	Average	0.800	0.800
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
203,000	◆ 50.7	11	35,000	Average	1.500	1.500

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	161,947	45,026	206,973

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-39472	241698	23359	73411	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.38	2.97	0	0	157,892	41,683	154,867	44,169
2	0.58	3.10	3	4	162,140	43,398	161,947	45,026
3	-0.29	3.52	0	0	130,262	45,740	131,048	47,666
4	0.37	3.52	3	4	153,586	46,407	154,372	47,666
5	-2.09	3.93	0	0	58,930	48,613	67,359	50,231
6	-1.67	3.48	5	4	81,044	46,138	82,301	47,419

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	45,214	195,038	15,817	24,601	0.82	-0.12
2	RAT	1.37	205,549	2.66	23,359	1.15	-0.31
3	MRAT	1.23	203,566	0.92	23,359	1.10	-0.31
4	RAF		199,302		23,980	0.96	-0.22
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		0.900		-0.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
170437	182190	23359	24601	193796	206791

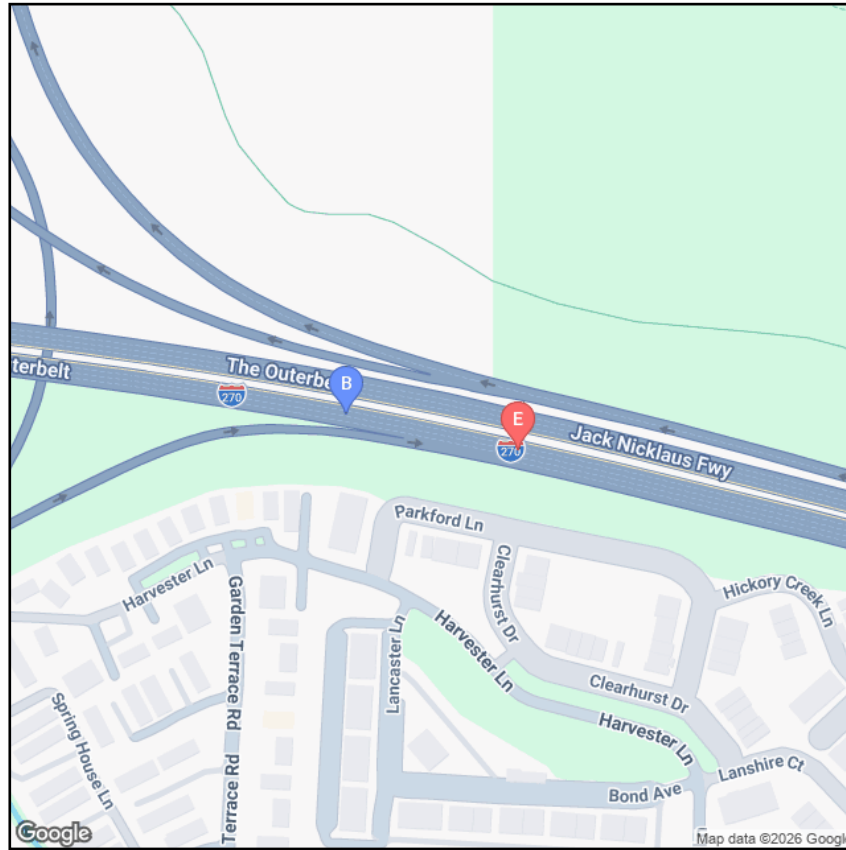
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Historical Count

Year	All	Cars	Trucks
2010	139,830	126,860	12,970
2013	143,663	130,337	13,326
2016	180,732	163,969	16,763
2019	165,986	150,590	15,396
2022	148,833	129,335	19,498
* 2025	166,776	141,427	25,349

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458037	SFRAIR00270**C	26.124	26.200	0.076	177,000	206,000	33500	16.3	50.7	17	13

Forecast Segment ID	Route	BMP	EMP
2458039	SFRAIR00270**C	26.200	26.610

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 16.3	15	170,000	Average	0.800	0.800
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
205,000	◆ 50.7	11	35,000	Average	1.500	1.500

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	161,947	45,026	206,973

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-39472	241698	23762	73411	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.38	2.97	0	0	157,892	41,683	154,867	44,169
2	0.58	3.10	3	4	162,140	43,398	161,947	45,026
3	-0.29	3.52	0	0	130,262	45,740	131,048	47,666
4	0.37	3.52	3	4	153,586	46,407	154,372	47,666
5	-2.09	3.93	0	0	58,930	48,613	67,359	50,231
6	-1.67	3.48	5	4	81,044	46,138	82,301	47,419

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	7,530	201,898	12,614	24,552	1.02	-0.13
2	RAT	1.05	203,559	1.99	23,762	1.09	-0.25
3	MRAT	1.22	203,259	0.94	23,762	1.08	-0.25
4	RAF		202,579		24,157	1.05	-0.19
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		1.100		-0.200	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
177346	179797	23762	24552	201108	204349

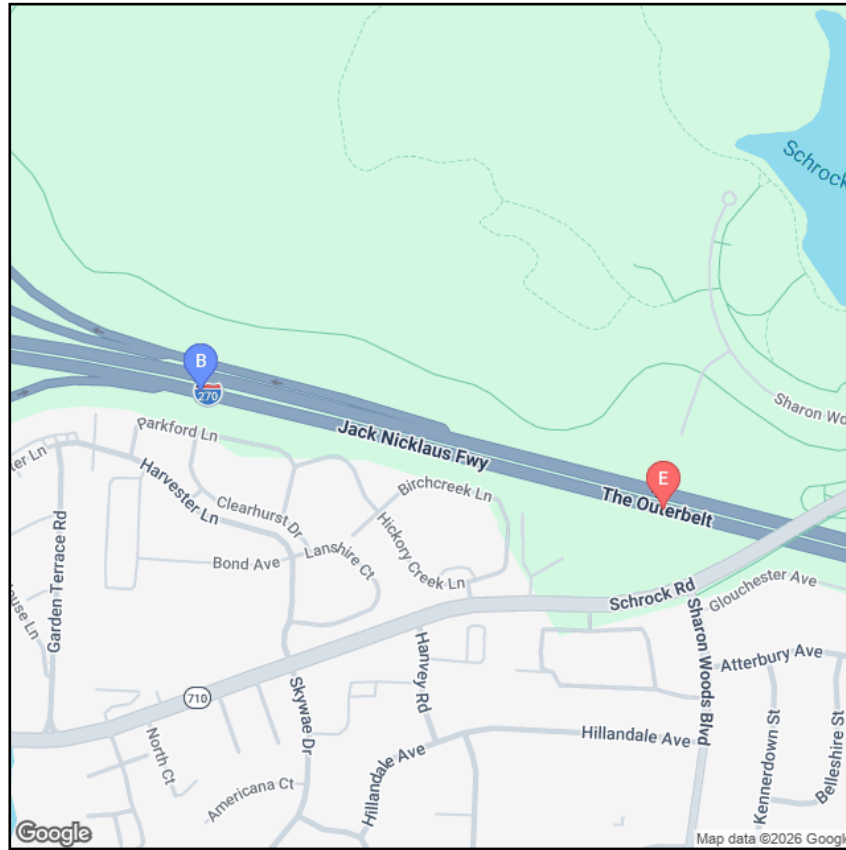
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Historical Count

Year	All	Cars	Trucks
2010	139,830	126,860	12,970
2013	143,663	130,337	13,326
2016	180,732	163,969	16,763
2019	165,986	150,590	15,396
2022	148,833	129,335	19,498
* 2025	166,776	141,427	25,349

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458039	SFRAIR00270**C	26.200	26.610	0.410	177,000	208,000	34000	16.3	50.7	17	13

Forecast Segment ID	Route	BMP	EMP
2458040	SFRAIR00270**C	26.610	26.970

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 16.3	15	169,000	Average	0.800	0.800
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
204,000	◆ 50.7	11	35,000	Average	1.500	1.500

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	161,947	45,026	206,973

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-39472	241698	24477	73411	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.38	2.97	0	0	157,892	41,683	154,867	44,169
2	0.58	3.10	3	4	162,140	43,398	161,947	45,026
3	-0.29	3.52	0	0	130,262	45,740	131,048	47,666
4	0.37	3.52	3	4	153,586	46,407	154,372	47,666
5	-2.09	3.93	0	0	58,930	48,613	67,359	50,231
6	-1.67	3.48	5	4	81,044	46,138	82,301	47,419

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	31,075	197,298	13,790	24,952	0.87	-0.06
2	RAT	1.23	204,287	2.19	24,477	1.09	-0.14
3	MRAT	1.22	203,004	0.97	24,477	1.05	-0.14
4	RAF		200,151		24,714	0.96	-0.10
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		1.000		-0.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
172346	179810	24477	24952	196823	204762

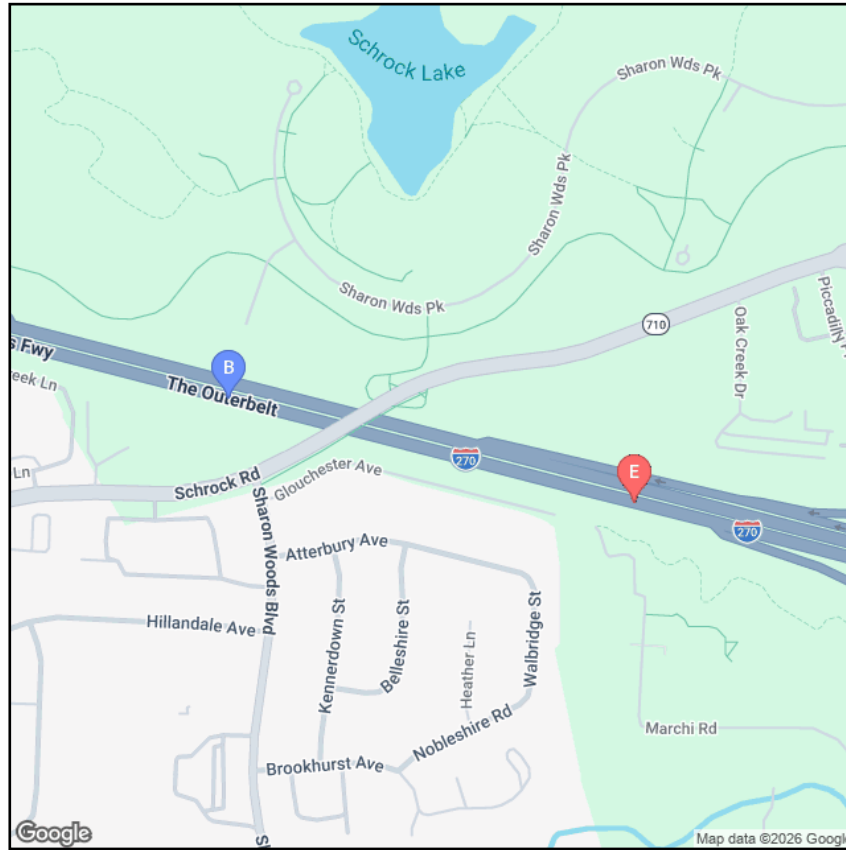
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Historical Count

Year	All	Cars	Trucks
2010	139,830	126,860	12,970
2013	143,663	130,337	13,326
2016	180,732	163,969	16,763
2019	165,986	150,590	15,396
2022	148,833	129,335	19,498
* 2025	166,776	141,427	25,349

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458040	SFRAIR00270**C	26.610	26.970	0.360	177,000	207,000	33500	16.3	50.7	17	13

Forecast Segment ID	Route	BMP	EMP
2458041	SFRAIR00270**C	26.970	27.797

Forecast							
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %	
2050	◆ 16.3	15	167,000	Average	0.700	0.700	
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %	
202,000	◆ 50.7	11	35,000	Average	1.600	1.600	

◆ K/D factors from TCDS were used.

Regression			
Method Number	PA AADT	BC AADT	AADT
2	161,947	45,026	206,973

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-39472	241698	24514	73411	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.38	2.97	0	0	157,892	41,683	154,867	44,169
2	0.58	3.10	3	4	162,140	43,398	161,947	45,026
3	-0.29	3.52	0	0	130,262	45,740	131,048	47,666
4	0.37	3.52	3	4	153,586	46,407	154,372	47,666
5	-2.09	3.93	0	0	58,930	48,613	67,359	50,231
6	-1.67	3.48	5	4	81,044	46,138	82,301	47,419

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	57,283	192,552	15,453	25,389	0.73	0.01
2	RAT	1.52	206,037	2.56	25,451	1.11	0.02
3	MRAT	1.24	203,467	1.00	25,451	1.03	0.02
4	RAF		198,010		25,420	0.88	0.01
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		0.900		0.000	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
167163	180586	25389	25451	192552	206037

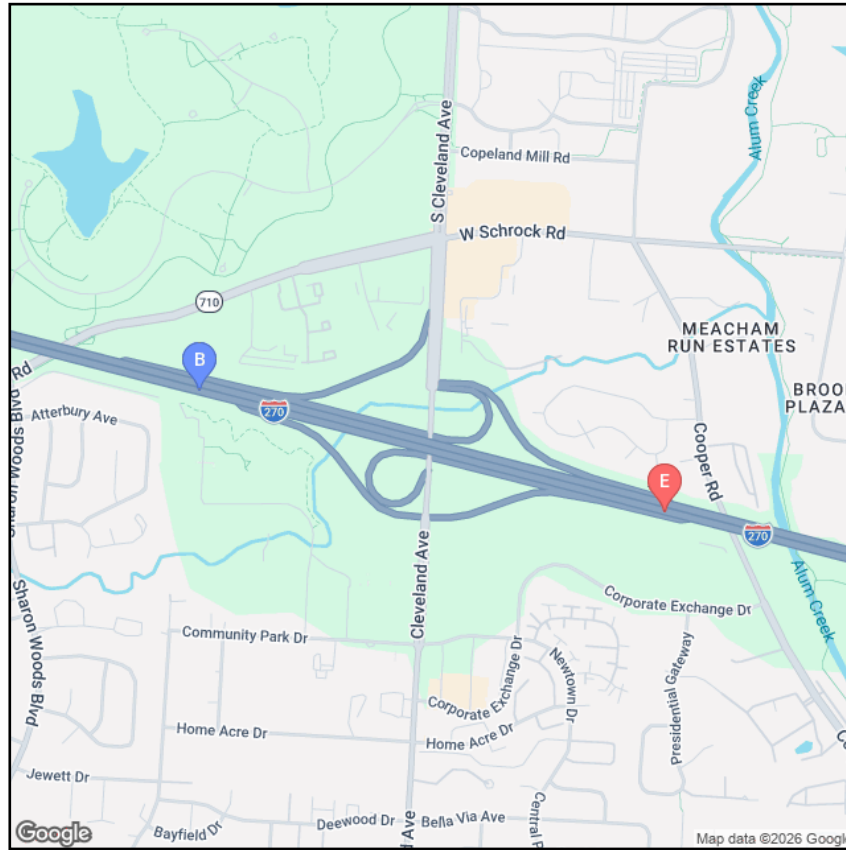
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Historical Count

Year	All	Cars	Trucks
2010	139,830	126,860	12,970
2013	143,663	130,337	13,326
2016	180,732	163,969	16,763
2019	165,986	150,590	15,396
2022	148,833	129,335	19,498
* 2025	166,776	141,427	25,349

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458041	SFRAIR00270**C	26.970	27.797	0.827	177,000	205,000	33500	16.3	50.7	18	13

Forecast Segment ID	Route	BMP	EMP
2458046	SFRAIR00270**C	27.797	27.839

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.5	15	167,000	Model	0.900	0.900
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
203,000	◆ 50.8	11	36,000	Average	1.800	1.800

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	156,696	46,922	203,618

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-83117	248797	23367	61786	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.33	3.29	0	0	150,240	43,520	147,690	44,570
2	0.59	3.67	3	5	155,644	47,127	156,696	46,922
3	-0.46	3.59	0	0	119,021	45,624	120,777	46,383
4	0.43	4.05	3	5	149,495	49,842	151,251	49,234
5	-2.58	3.06	0	0	37,837	42,003	48,291	43,150
6	-2.14	3.52	5	5	60,226	46,220	63,419	46,000

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	51,417	186,686	14,564	24,500	0.75	0.01
2	RAT	1.47	198,790	2.47	24,559	1.11	0.02
3	MRAT	1.24	196,483	1.00	24,559	1.04	0.02
4	RAF		191,585		24,529	0.90	0.01
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		0.900		0.000	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
162186	174231	24500	24559	186686	198790

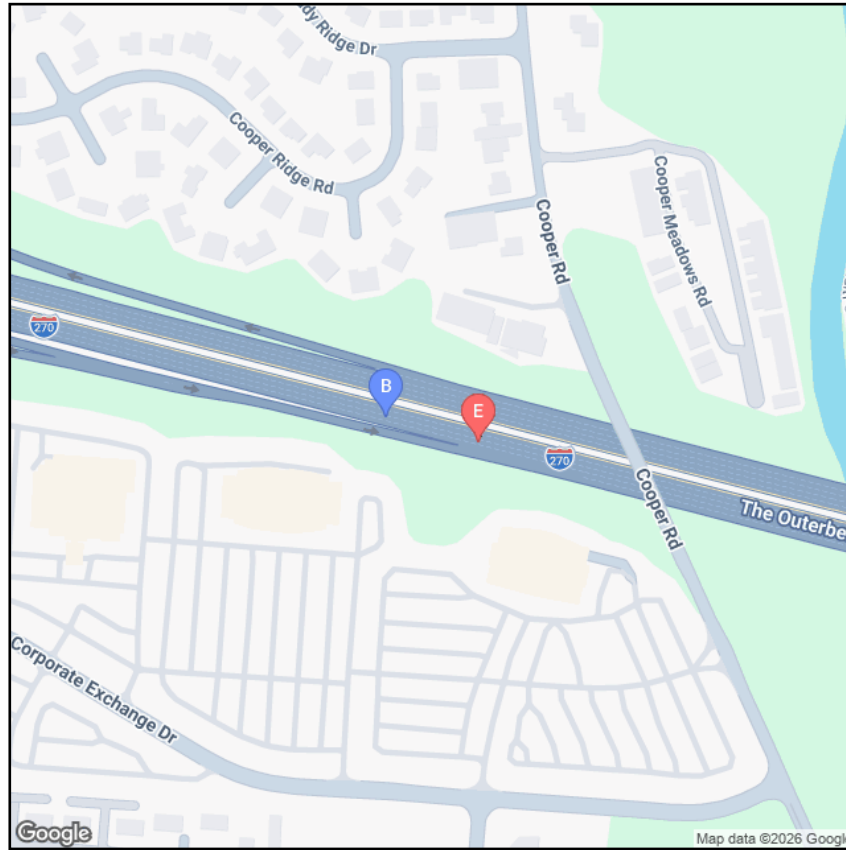
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Historical Count

Year	All	Cars	Trucks
2010	133,560	121,490	12,070
2013	137,221	124,820	12,401
2016	182,419	165,934	16,485
2019	161,377	141,205	20,172
2022	142,543	123,867	18,676
* 2025	160,910	136,450	24,460

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458046	SFRAIR00270**C	27.797	27.839	0.042	173,000	206,000	26000	12.5	50.8	18	13

Forecast Segment ID	Route	BMP	EMP
2458047	SFRAIR00270**C	27.839	28.544

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.5	15	168,000	Model	0.900	0.900
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
203,000	◆ 50.8	11	35,000	Average	1.800	1.800

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	156,696	46,922	203,618

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-83117	248797	23367	61786	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.33	3.29	0	0	150,240	43,520	147,690	44,570
2	0.59	3.67	3	5	155,644	47,127	156,696	46,922
3	-0.46	3.59	0	0	119,021	45,624	120,777	46,383
4	0.43	4.05	3	5	149,495	49,842	151,251	49,234
5	-2.58	3.06	0	0	37,837	42,003	48,291	43,150
6	-2.14	3.52	5	5	60,226	46,220	63,419	46,000

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	23,542	190,157	11,977	23,995	0.87	-0.08
2	RAT	1.17	195,169	1.96	23,549	1.03	-0.15
3	MRAT	1.21	194,289	0.96	23,549	1.01	-0.15
4	RAF		192,223		23,772	0.94	-0.11
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.900		-0.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
166162	171620	23549	23995	189711	195615

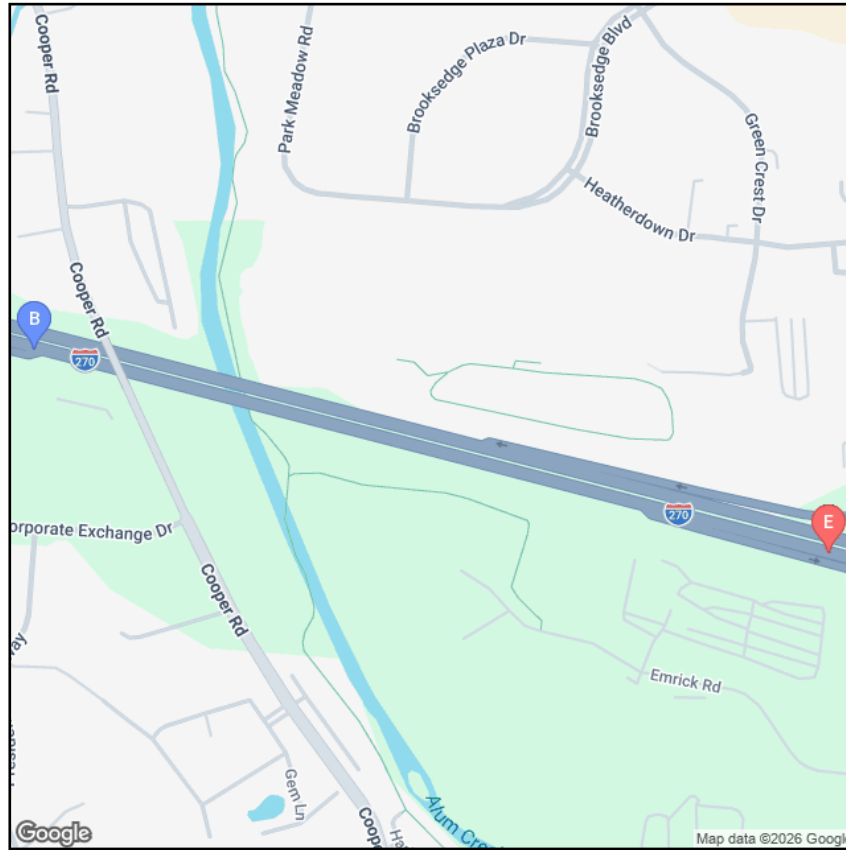
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Historical Count

Year	All	Cars	Trucks
2010	133,560	121,490	12,070
2013	137,221	124,820	12,401
2016	182,419	165,934	16,485
2019	161,377	141,205	20,172
2022	142,543	123,867	18,676
* 2025	160,910	136,450	24,460

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458047	SFRAIR00270**C	27.839	28.544	0.705	173,000	207,000	26000	12.5	50.8	18	13

Forecast Segment ID	Route	BMP	EMP
2458048	SFRAIR00270**C	28.544	28.730

Forecast							
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %	
2050	◆ 12.5	15	166,000	Model	0.900	0.900	
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %	
202,000	◆ 50.8	11	36,000	Average	1.900	1.900	

◆ K/D factors from TCDS were used.

Regression			
Method Number	PA AADT	BC AADT	AADT
2	156,696	46,922	203,618

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-83117	248797	23367	61786	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.33	3.29	0	0	150,240	43,520	147,690	44,570
2	0.59	3.67	3	5	155,644	47,127	156,696	46,922
3	-0.46	3.59	0	0	119,021	45,624	120,777	46,383
4	0.43	4.05	3	5	149,495	49,842	151,251	49,234
5	-2.58	3.06	0	0	37,837	42,003	48,291	43,150
6	-2.14	3.52	5	5	60,226	46,220	63,419	46,000

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	51,799	186,347	13,820	24,742	0.74	0.05
2	RAT	1.47	198,422	2.30	25,109	1.08	0.11
3	MRAT	1.23	196,139	1.03	25,100	1.01	0.10
4	RAF		191,243		24,921	0.88	0.08
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		0.900		0.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
161605	173313	24742	25109	186347	198422

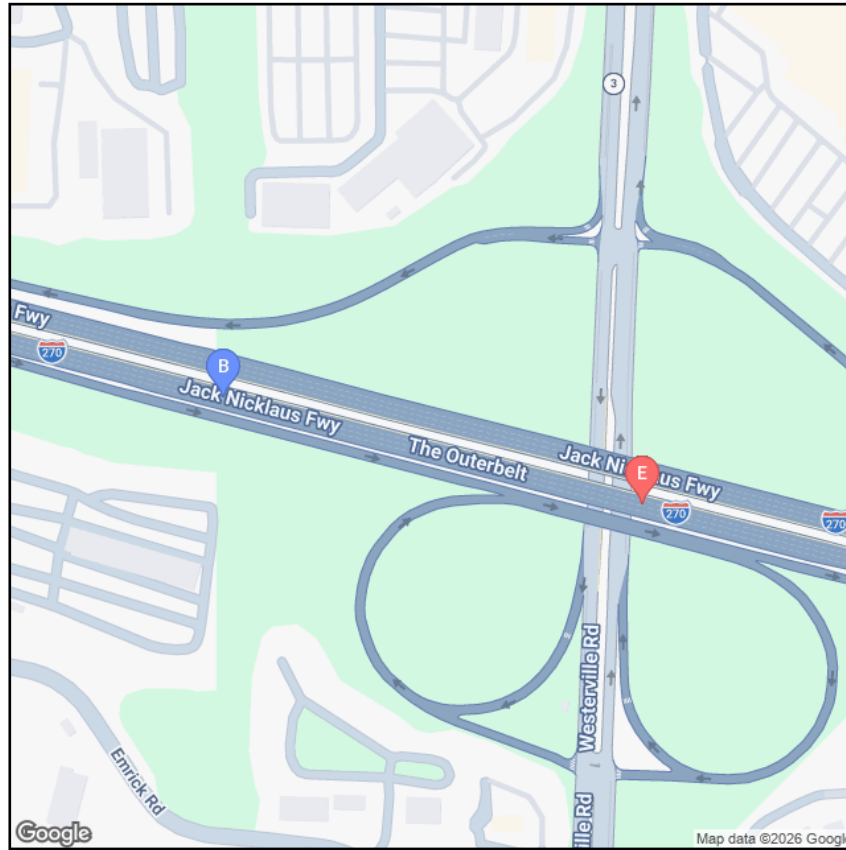
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Historical Count

Year	All	Cars	Trucks
2010	133,560	121,490	12,070
2013	137,221	124,820	12,401
2016	182,419	165,934	16,485
2019	161,377	141,205	20,172
2022	142,543	123,867	18,676
* 2025	160,910	136,450	24,460

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458048	SFRAIR00270**C	28.544	28.730	0.186	172,000	206,000	26000	12.5	50.8	18	13

Forecast Segment ID	Route	BMP	EMP
2458050	SFRAIR00270**C	28.730	28.774

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.5	15	149,000	Model	0.400	0.400
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
185,000	◆ 50.8	11	36,000	Average	1.800	1.800

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	156,696	46,922	203,618

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-83117	248797	23367	61786	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.33	3.29	0	0	150,240	43,520	147,690	44,570
2	0.59	3.67	3	5	155,644	47,127	156,696	46,922
3	-0.46	3.59	0	0	119,021	45,624	120,777	46,383
4	0.43	4.05	3	5	149,495	49,842	151,251	49,234
5	-2.58	3.06	0	0	37,837	42,003	48,291	43,150
6	-2.14	3.52	5	5	60,226	46,220	63,419	46,000

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	105,866	173,469	19,301	24,517	0.37	0.01
2	RAT	2.92	197,624	4.74	24,729	1.07	0.04
3	MRAT	1.23	193,137	1.01	24,726	0.94	0.04
4	RAF		183,303		24,622	0.65	0.03
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Difference		Difference		0.400		0.000	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
148952	172895	24517	24729	173469	197624

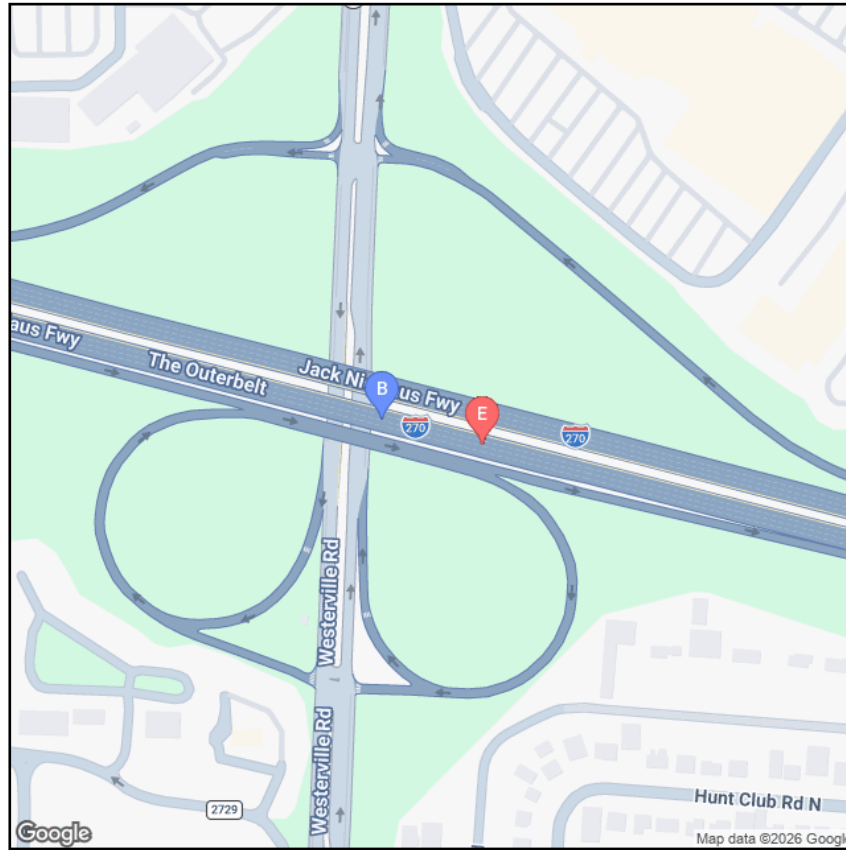
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Historical Count

Year	All	Cars	Trucks
2010	133,560	121,490	12,070
2013	137,221	124,820	12,401
2016	182,419	165,934	16,485
2019	161,377	141,205	20,172
2022	142,543	123,867	18,676
* 2025	160,910	136,450	24,460

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458050	SFRAIR00270**C	28.730	28.774	0.044	168,000	187,000	23500	12.5	50.8	20	15

Forecast Segment ID	Route	BMP	EMP
2458051	SFRAIR00270**C	28.774	28.798

Forecast						
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	13.0	20	148,000	Model	0.400	0.400
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
184,000	100.0	17	36,000	Average	1.900	1.900

Regression			
Method Number	PA AADT	BC AADT	AADT
2	158,364	47,332	205,696

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-89010	256017	22308	61975	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.38	3.38	0	0	152,693	44,103	148,892	44,966
2	0.66	3.77	3	5	158,376	47,731	158,364	47,332
3	-0.47	3.65	0	0	119,140	46,035	119,967	46,632
4	0.47	4.12	3	5	151,039	50,266	151,866	49,491
5	-2.81	3.01	0	0	30,102	41,606	40,469	42,677
6	-2.35	3.48	5	5	53,040	45,837	55,968	45,536

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	105,270	172,873	19,208	24,424	0.37	0.01
2	RAT	2.91	196,892	4.72	24,635	1.07	0.04
3	MRAT	1.23	192,430	1.01	24,632	0.94	0.04
4	RAF		182,652		24,528	0.65	0.03
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Difference		Difference		0.400		0.000	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
148449	172257	24424	24635	172873	196892

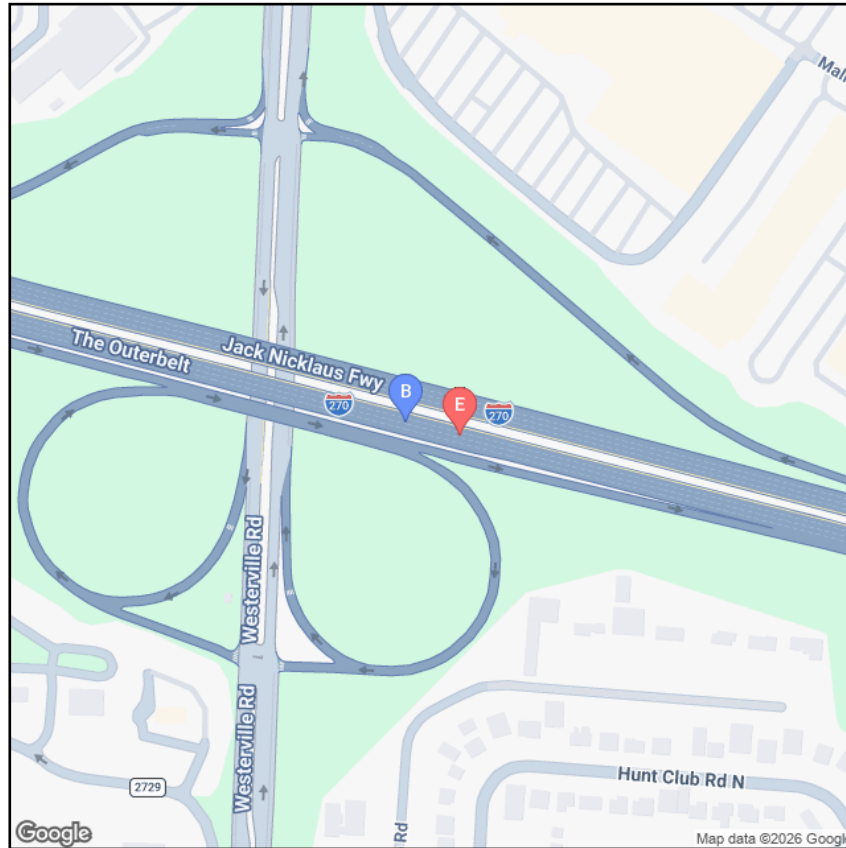
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Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2010	132,220	120,410	11,810
2013	135,844	123,710	12,134
2016	184,112	167,667	16,445
2019	163,921	143,431	20,490
2022	142,715	124,018	18,697
* 2025	160,314	135,947	24,367

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458051	SFRAIR00270**C	28.774	28.798	0.024	167,000	186,000	24000	13.0	100.0	20	17

Forecast Segment ID	Route	BMP	EMP
2458052	SFRAIR00270**C	28.798	28.928

Forecast						
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	10.0	18	162,000	Average	0.800	0.800
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
198,000	59.6	17	36,000	Average	1.900	1.900

Regression			
Method Number	PA AADT	BC AADT	AADT
2	158,364	47,332	205,696

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-89010	256017	22308	61975	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.38	3.38	0	0	152,693	44,103	148,892	44,966
2	0.66	3.77	3	5	158,376	47,731	158,364	47,332
3	-0.47	3.65	0	0	119,140	46,035	119,967	46,632
4	0.47	4.12	3	5	151,039	50,266	151,866	49,491
5	-2.81	3.01	0	0	30,102	41,606	40,469	42,677
6	-2.35	3.48	5	5	53,040	45,837	55,968	45,536

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	51,203	185,751	13,728	24,650	0.74	0.05
2	RAT	1.47	197,687	2.29	25,014	1.08	0.11
3	MRAT	1.23	195,431	1.03	25,005	1.01	0.10
4	RAF		190,591		24,827	0.88	0.08
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		0.900		0.100	

Method 1 - 4 Volume

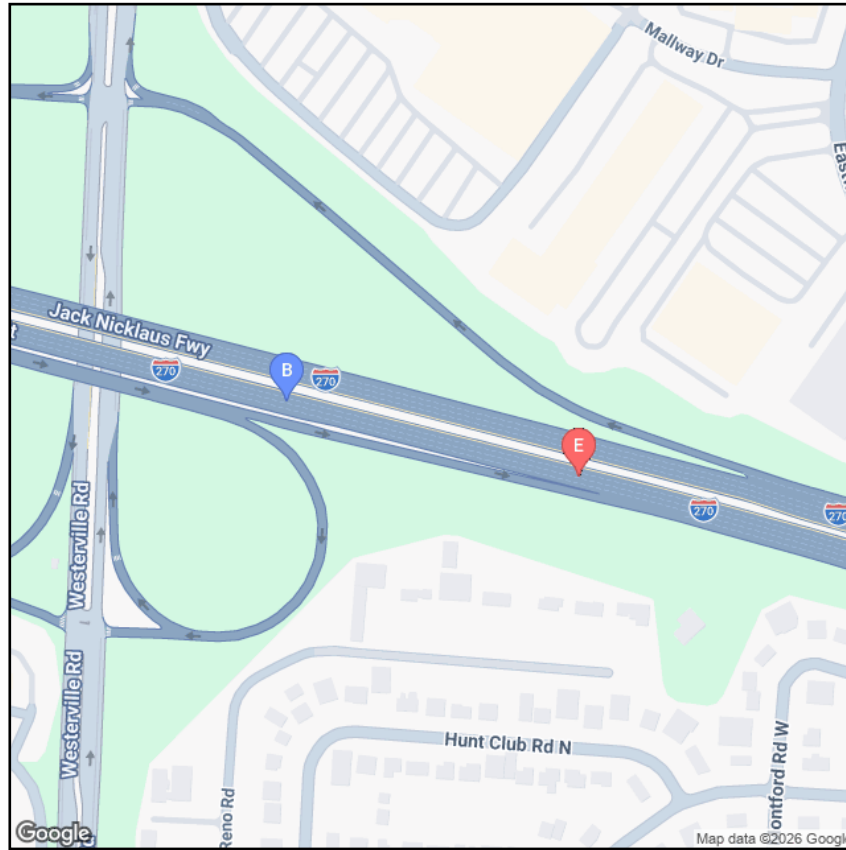
PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
161101	172673	24650	25014	185751	197687

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Comment:	No Comment

Historical Count

Year	All	Cars	Trucks
2010	132,220	120,410	11,810
2013	135,844	123,710	12,134
2016	184,112	167,667	16,445
2019	163,921	143,431	20,490
2022	142,715	124,018	18,697
* 2025	160,314	135,947	24,367

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458052	SFRAIR00270**C	28.798	28.928	0.130	171,000	201,000	20000	10.0	59.6	18	18

Forecast Segment ID	Route	BMP	EMP
2458053	SFRAIR00270**C	28.928	29.357

Forecast						
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	10.0	18	162,000	Average	0.800	0.800
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
198,000	60.2	15	36,000	Average	1.900	1.900

Regression			
Method Number	PA AADT	BC AADT	AADT
2	158,364	47,332	205,696

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-89010	256017	22308	61975	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.38	3.38	0	0	152,693	44,103	148,892	44,966
2	0.66	3.77	3	5	158,376	47,731	158,364	47,332
3	-0.47	3.65	0	0	119,140	46,035	119,967	46,632
4	0.47	4.12	3	5	151,039	50,266	151,866	49,491
5	-2.81	3.01	0	0	30,102	41,606	40,469	42,677
6	-2.35	3.48	5	5	53,040	45,837	55,968	45,536

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	7,468	189,252	11,336	24,040	0.86	-0.05
2	RAT	1.05	190,665	1.87	23,755	0.91	-0.10
3	MRAT	1.19	190,440	0.97	23,755	0.90	-0.10
4	RAF		189,846		23,897	0.88	-0.08
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.900		-0.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
165212	166910	23755	24040	188967	190950

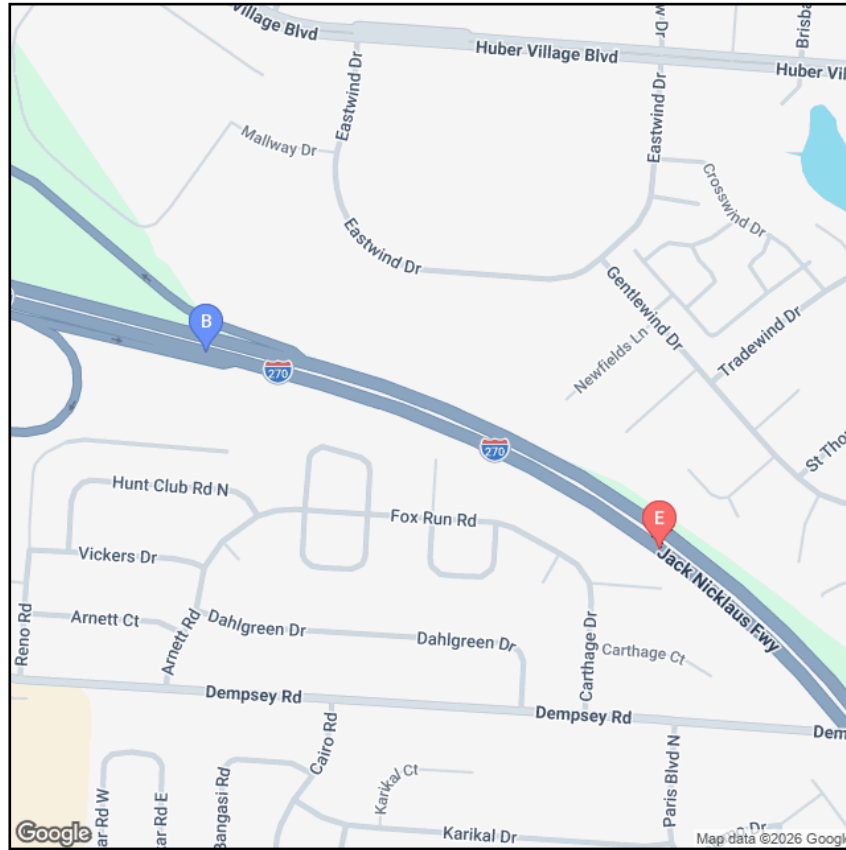
Process Flag: Adjusted model to counts with process per ODOT 255 spreadsheet

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2010	132,220	120,410	11,810
2013	135,844	123,710	12,134
2016	184,112	167,667	16,445
2019	163,921	143,431	20,490
2022	142,715	124,018	18,697
* 2025	160,314	135,947	24,367

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458053	SFRAIR00270**C	28.928	29.357	0.429	171,000	201,000	20000	10.0	60.2	18	16