

TFMS - Segment Forecast Report

Username	Email	Script Import Date	Script Version	Model Version
Justin.Higgins	Justin.Higgins@dot.ohio.gov	3/6/2026 8:01:17 AM	Initial	2026.1900

Forecast Summary

Project ID	Project Name	Opening Year	Design Year
		2032	2052

Project Description

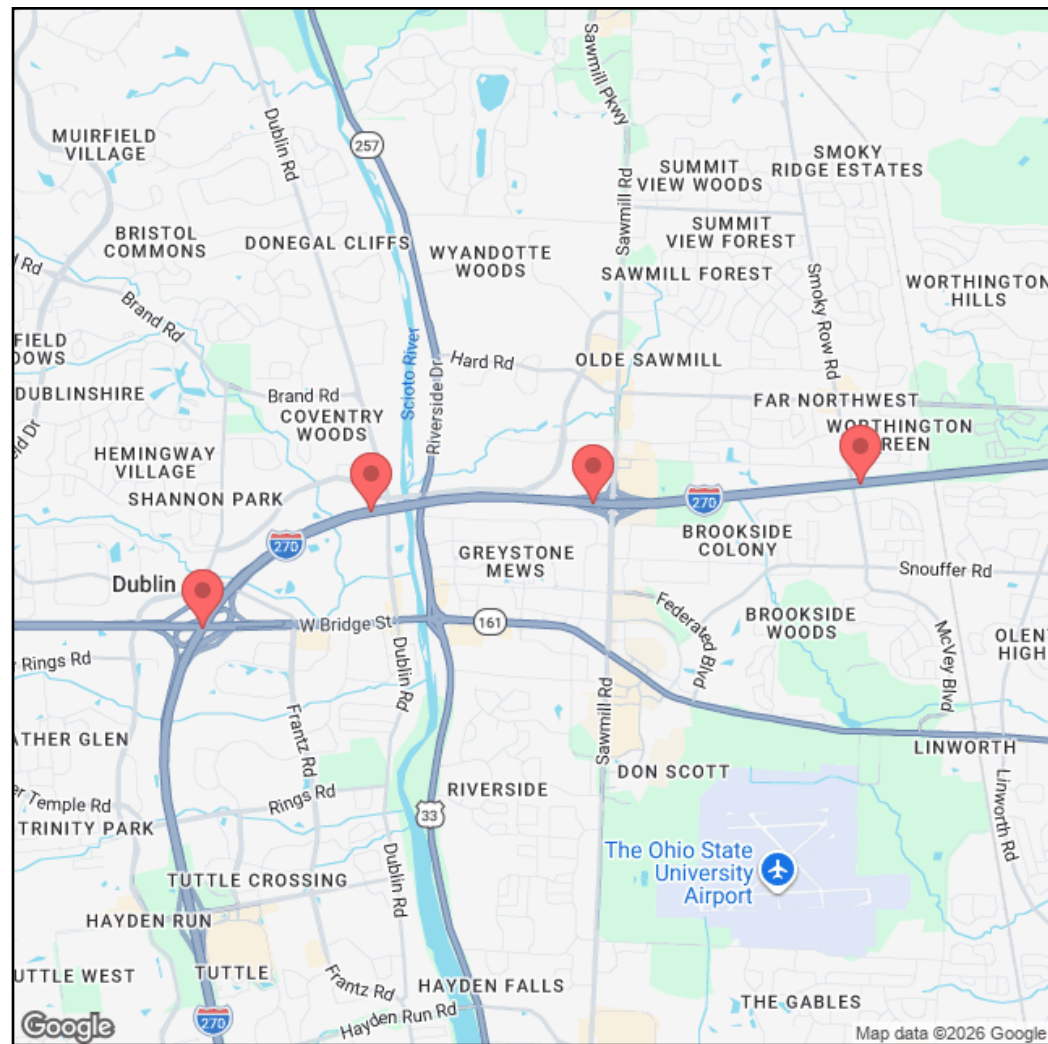
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude	Local Id
2458015	SFRAIR00270**C	17.245	17.331	0.086	-83.1343942393477	40.0988359922008	44325
2458016	SFRAIR00270**C	17.331	19.608	2.277	-83.1165169831343	40.108227249286	44325
2458020	SFRAIR00270**C	19.608	19.830	0.222	-83.0930564591259	40.1089252513302	44425
2458021	SFRAIR00270**C	19.830	22.623	2.793	-83.0647247351117	40.1105402881455	44425

Forecast Information

Segment ID	2032 AADT	2052 AADT	DHV-30	K%	D%	T24%	TD%
2458015	133,000	151,000	18,000	12.0	50.8	15	13
2458016	131,000	143,000	14,500	10.0	50.8	17	16
2458020	152,000	166,000	19,500	11.7	50.9	17	13
2458021	154,000	171,000	20,000	11.7	50.9	16	12



Definitions:

- o AADT – Annual Average Daily Traffic
- o DHV30 – Design Hour Volume for 30th highest hour of the year
- o DHV30 – $K \times AADT$
- 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
2458015	SFRAIR00270**C	17.245	17.331

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	12.0	15	127,000	Model	0.700	0.700
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
150,000	50.8	13	23,000	Model	0.700	0.700

Regression

Method Number	PA AADT	BC AADT	AADT
2	104,492	19,098	123,590

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
57695	166968	8570	47072	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.35	1.17	0	0	93,500	22,606	98,234	24,932
2	-0.11	-0.04	5	6	103,096	14,232	104,492	19,098
3	-0.27	1.75	0	0	95,857	25,815	100,266	27,698
4	0.01	0.13	5	6	106,880	15,144	107,714	19,921
5	0.28	3.00	0	0	112,512	32,564	115,136	33,724
6	0.56	3.41	5	5	123,535	35,469	122,584	35,687

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	36,000	146,145	5,594	22,258	0.61	0.62
2	RAT	1.40	153,815	1.41	23,478	0.85	0.87
3	MRAT	1.21	152,468	1.22	23,260	0.81	0.83
4	RAF		149,306		22,759	0.71	0.72
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.700		0.700	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
123887	130337	22258	23478	146145	153815

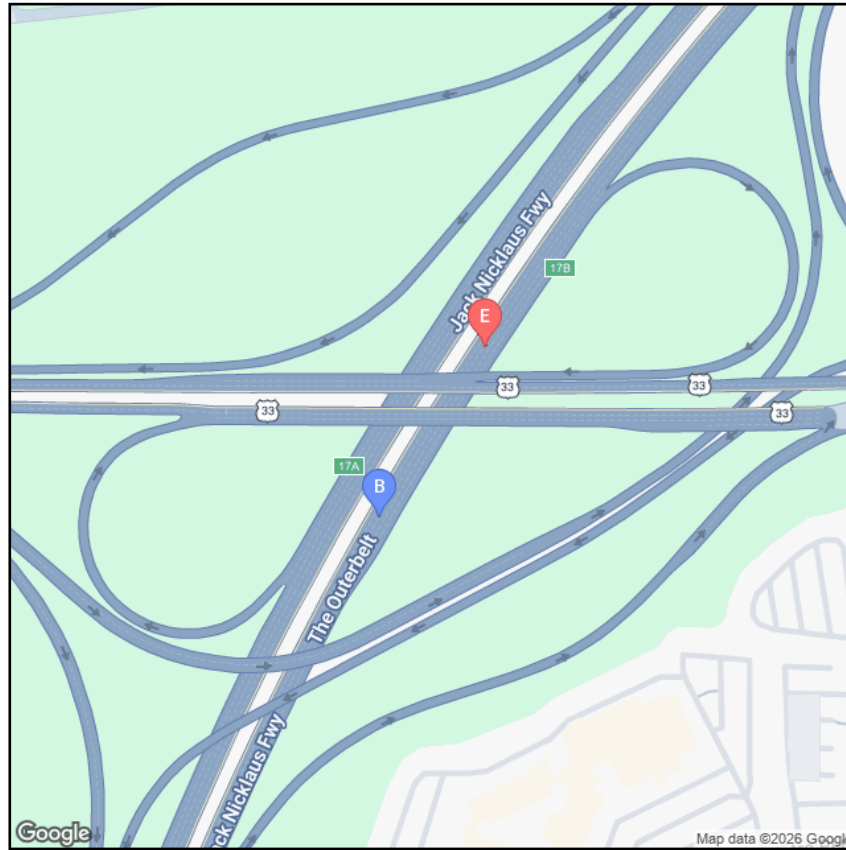
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Historical Count

Year	All	Cars	Trucks
2010	123,840	109,180	14,660
2013	124,964	110,171	14,793
2016	114,737	101,154	13,583
2019	122,178	107,715	14,463
2022	112,463	97,732	14,731
* 2025	126,800	107,526	19,274

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458015	SFRAIR00270**C	17.245	17.331	0.086	133,000	151,000	18000	12.0	50.8	15	13

Forecast Segment ID	Route	BMP	EMP
2458016	SFRAIR00270**C	17.331	19.608

Forecast						
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	10.0	17	118,000	Average	0.400	0.400
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
142,000	50.8	16	24,000	Model	0.900	0.900

Regression			
Method Number	PA AADT	BC AADT	AADT
2	104,492	19,098	123,590

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
57695	166968	8570	47072	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.35	1.17	0	0	93,500	22,606	98,234	24,932
2	-0.11	-0.04	5	6	103,096	14,232	104,492	19,098
3	-0.27	1.75	0	0	95,857	25,815	100,266	27,698
4	0.01	0.13	5	6	106,880	15,144	107,714	19,921
5	0.28	3.00	0	0	112,512	32,564	115,136	33,724
6	0.56	3.41	5	5	123,535	35,469	122,584	35,687

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	627	155,426	2,565	23,397	0.91	0.86
2	RAT	1.00	155,568	1.15	24,030	0.89	0.99
3	MRAT	1.23	155,542	1.25	23,905	0.90	0.96
4	RAF		155,484		23,651	0.90	0.91
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.900		0.900	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
131538	132029	23397	24030	154935	156059

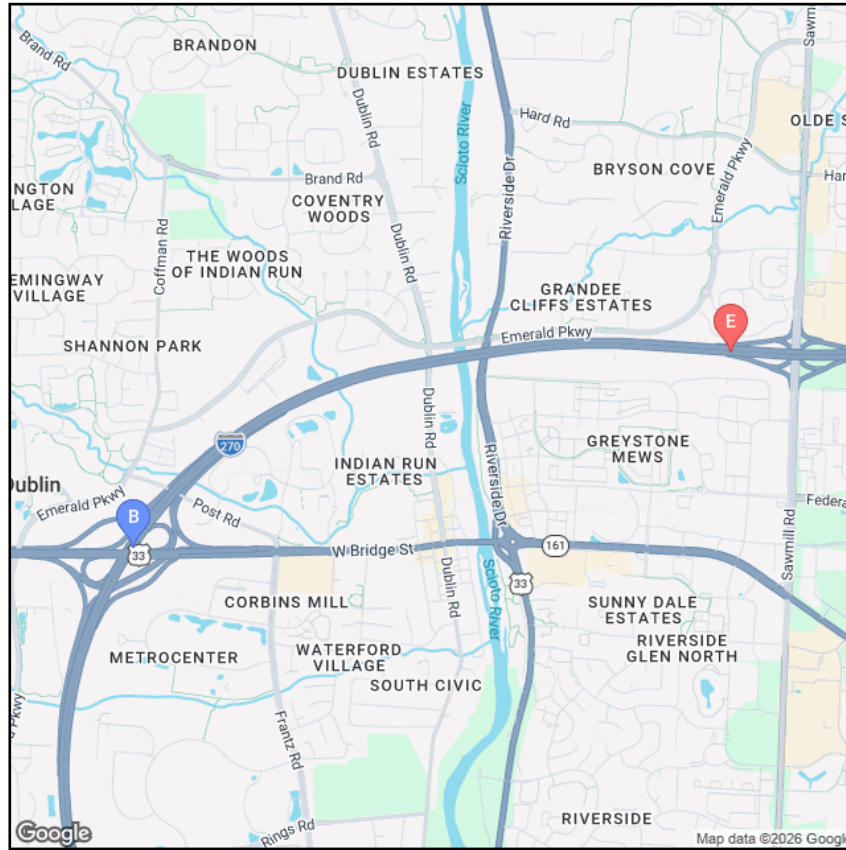
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Historical Count

Year	All	Cars	Trucks
2010	123,840	109,180	14,660
2013	124,964	110,171	14,793
2016	114,737	101,154	13,583
2019	122,178	107,715	14,463
2022	112,463	97,732	14,731
* 2025	126,800	107,526	19,274

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458016	SFRAIR00270**C	17.331	19.608	2.277	131,000	143,000	14500	10.0	50.8	17	16

Forecast Segment ID	Route	BMP	EMP
2458020	SFRAIR00270**C	19.608	19.830

Forecast							
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %	
2050	◆ 11.7	15	137,000	Average	0.400	0.400	
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %	
165,000	◆ 50.9	11	28,000	Model	0.900	0.900	

◆ K/D factors from TCDS were used.

Regression			
Method Number	PA AADT	BC AADT	AADT
2	125,062	27,298	152,360

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
74327	180885	15426	52876	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.18	1.63	0	0	116,971	29,656	119,557	31,575
2	0.00	0.87	5	6	125,411	22,748	125,062	27,298
3	-0.25	2.10	0	0	114,577	32,706	117,493	34,204
4	-0.04	2.47	5	5	124,001	35,810	123,861	36,301
5	0.10	3.02	0	0	126,803	38,483	128,409	39,362
6	0.33	3.39	4	5	132,960	41,587	135,406	41,460

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	52,067	171,465	6,829	26,874	0.62	0.79
2	RAT	1.54	184,455	1.44	28,814	0.97	1.14
3	MRAT	1.25	181,861	1.28	28,385	0.90	1.06
4	RAF		176,663		27,629	0.76	0.93
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.800		0.900	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
144591	155641	26874	28814	171465	184455

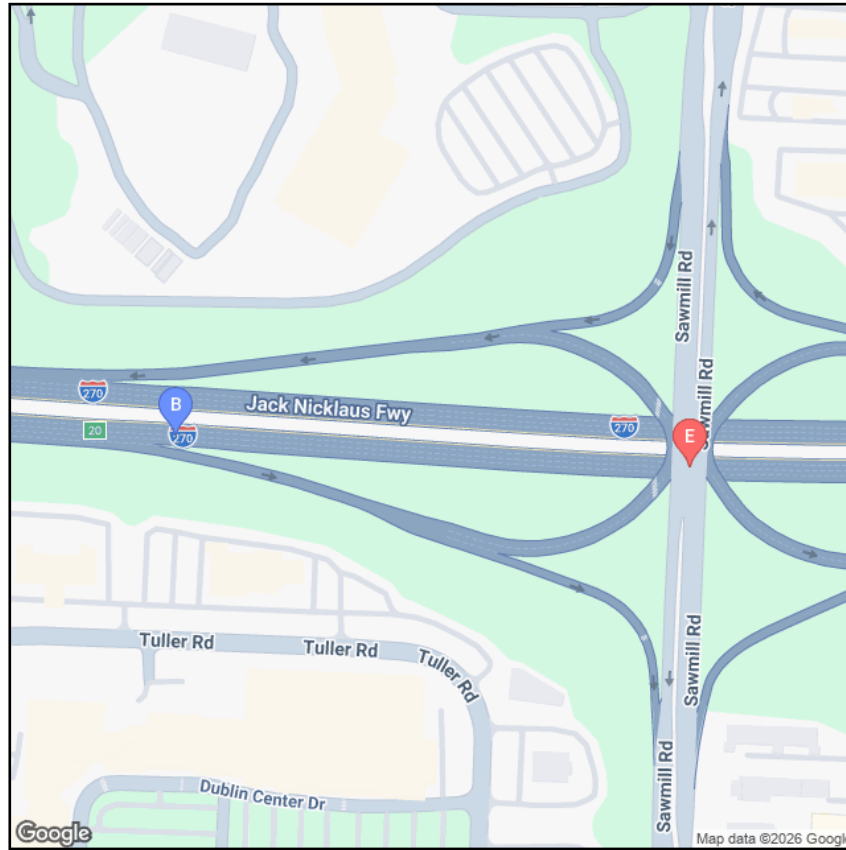
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Historical Count

Year	All	Cars	Trucks
2010	141,240	125,150	16,090
2013	145,111	128,580	16,531
2016	135,746	120,282	15,464
2019	147,066	128,682	18,384
2022	135,610	117,843	17,767
* 2025	147,624	125,185	22,439

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458020	SFRAIR00270**C	19.608	19.830	0.222	152,000	166,000	19500	11.7	50.9	17	13

Forecast Segment ID	Route	BMP	EMP
2458021	SFRAIR00270**C	19.830	22.623

Forecast							
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %	
2050	◆ 11.7	15	142,000	Average	0.500	0.500	
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %	
169,000	◆ 50.9	11	27,000	Model	0.800	0.800	

◆ K/D factors from TCDS were used.

Regression			
Method Number	PA AADT	BC AADT	AADT
2	125,062	27,298	152,360

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
74327	180885	15426	52876	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.18	1.63	0	0	116,971	29,656	119,557	31,575
2	0.00	0.87	5	6	125,411	22,748	125,062	27,298
3	-0.25	2.10	0	0	114,577	32,706	117,493	34,204
4	-0.04	2.47	5	5	124,001	35,810	123,861	36,301
5	0.10	3.02	0	0	126,803	38,483	128,409	39,362
6	0.33	3.39	4	5	132,960	41,587	135,406	41,460

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	-2,558	185,622	5,261	26,642	1.08	0.75
2	RAT	0.98	184,975	1.31	27,930	1.02	0.98
3	MRAT	1.25	185,106	1.24	27,677	1.03	0.93
4	RAF		185,364		27,160	1.06	0.84
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		1.100		0.800	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
157045	158980	26642	27930	183687	186910

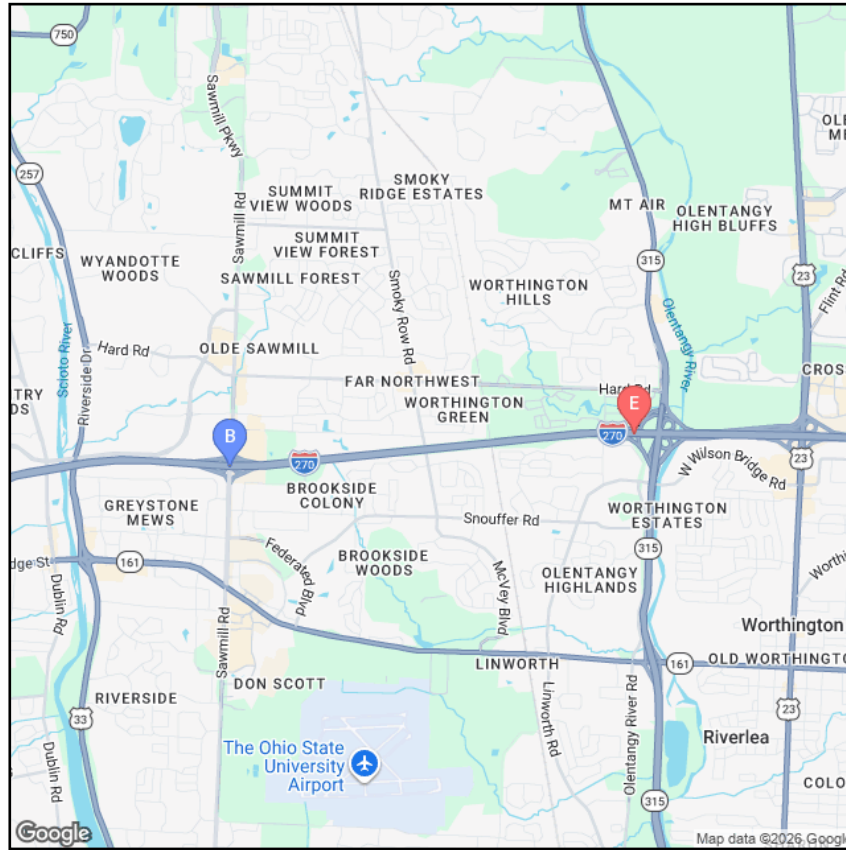
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Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
2458021	SFRAIR00270**C	19.830	22.623	2.793	154,000	171,000	20000	11.7	50.9	16	12