

TFMS - Segment Forecast Report

Username	Email	Script Import Date	Script Version	Model Version
baylor.garmatter	baylor.garmatter@dot.ohio.gov	5/15/2025 10:30:27 AM	Initial	2025.1900

Forecast Summary

Project ID	Project Name	Opening Year	Design Year
105490	GUE IR 70/77 VAR	2026	2046

Project Description

Bridge rehabilitation on Gue-IR 77-5.17 L/R and on Gue-77-05.99.

*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
2280359	SGUEIR00070**C	8.765	8.983	0.218	-81.575139826151	39.9982776572963
2280360	SGUEIR00070**C	8.983	9.174	0.191	-81.5714968016108	39.9973154678594
2280361	SGUEIR00070**C	9.174	9.435	0.261	-81.5673454173049	39.9966524566791
2280362	SGUEIR00070**C	9.435	9.519	0.084	-81.564098392445	39.9965800195359
2325404	CGUECR00035**C	6.928	7.953	1.025	-81.5643682547004	39.9968253340265

Forecast Information

Segment ID	2026 AADT	2046 AADT	DHV-30	K%	D%	T24%	TD%
2280359	40,000	45,000	4,000	9.0	53.7	43	31
2280360	40,000	45,000	4,000	9.0	56.3	43	21
2280361	40,000	45,000	4,000	9.0	54.4	43	26
2280362	39,500	43,500	4,400	10.0	100.0	43	23
2325404	2,200	2,200	200	10.0	56.0	0	0



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
2280359	SGUEIR00070**C	8.765	8.983

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	9.0	44	26,000	Average	0.200	0.200
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
46,000	53.7	32	20,000	Model	1.300	1.300

Regression

Method Number	PA AADT	BC AADT	AADT
2	23,201	21,238	44,439

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-247	32662	16697	23720	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.26	1.62	0	0	23,250	21,708	22,673	21,418
2	-0.17	1.57	3	4	23,407	21,358	23,201	21,238
3	-0.84	1.53	0	0	19,004	21,314	19,006	21,078
4	-0.54	1.52	3	4	20,815	21,137	20,900	21,044
5	-1.98	1.21	0	0	10,935	19,888	11,815	19,807
6	-1.69	1.33	5	4	13,529	20,327	13,590	20,303

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	5,480	47,874	1,901	19,775	0.60	1.20
2	RAT	1.16	49,247	1.14	20,452	0.71	1.37
3	MRAT	1.25	48,972	1.36	20,274	0.70	1.32
4	RAF		48,423		20,024	0.65	1.26
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.700		1.300	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
28099	28795	19775	20452	47874	49247

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

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2008	35,724	24,390	11,334
2011	37,534	25,474	12,060
2015	41,346	28,061	13,285
2018	40,995	26,523	14,472
2021	37,959	23,421	14,538
* 2024	39,376	24,295	15,081

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2046 AADT	DHV30	K %	D %	T24 %	TD %
2280359	SGUEIR00070**C	8.765	8.983	0.218	40,000	45,000	4000	9.0	53.7	43	31

Forecast Segment ID	Route	BMP	EMP
2280360	SGUEIR00070**C	8.983	9.174

Forecast						
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	9.0	44	25,000	Average	0.200	0.200
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
45,000	56.3	22	20,000	Model	1.300	1.300

Regression			
Method Number	PA AADT	BC AADT	AADT
2	23,201	21,238	44,439

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-247	32662	16697	23720	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.26	1.62	0	0	23,250	21,708	22,673	21,418
2	-0.17	1.57	3	4	23,407	21,358	23,201	21,238
3	-0.84	1.53	0	0	19,004	21,314	19,006	21,078
4	-0.54	1.52	3	4	20,815	21,137	20,900	21,044
5	-1.98	1.21	0	0	10,935	19,888	11,815	19,807
6	-1.69	1.33	5	4	13,529	20,327	13,590	20,303

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	2,459	47,799	1,427	20,075	0.54	1.27
2	RAT	1.07	48,360	1.10	20,597	0.55	1.41
3	MRAT	1.23	48,256	1.37	20,457	0.55	1.37
4	RAF		48,028		20,266	0.55	1.32
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.600		1.300	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
27724	27799	20075	20597	47799	48396

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

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2008	35,724	24,390	11,334
2011	37,534	25,474	12,060
2015	41,346	28,061	13,285
2018	40,995	26,523	14,472
2021	37,959	23,421	14,538
* 2024	39,376	24,295	15,081

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2046 AADT	DHV30	K %	D %	T24 %	TD %
2280360	SGUEIR00070**C	8.983	9.174	0.191	40,000	45,000	4000	9.0	56.3	43	21

Forecast Segment ID	Route	BMP	EMP
2280361	SGUEIR00070**C	9.174	9.435

Forecast						
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	9.0	44	26,000	Average	0.200	0.200
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
46,000	54.4	27	20,000	Model	1.300	1.300

Regression			
Method Number	PA AADT	BC AADT	AADT
2	23,201	21,238	44,439

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-247	32662	16697	23720	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.26	1.62	0	0	23,250	21,708	22,673	21,418
2	-0.17	1.57	3	4	23,407	21,358	23,201	21,238
3	-0.84	1.53	0	0	19,004	21,314	19,006	21,078
4	-0.54	1.52	3	4	20,815	21,137	20,900	21,044
5	-1.98	1.21	0	0	10,935	19,888	11,815	19,807
6	-1.69	1.33	5	4	13,529	20,327	13,590	20,303

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	5,412	47,669	2,038	19,925	0.55	1.24
2	RAT	1.16	48,991	1.16	20,682	0.64	1.43
3	MRAT	1.24	48,731	1.37	20,477	0.63	1.38
4	RAF		48,200		20,201	0.59	1.31
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.600		1.300	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
27744	28309	19925	20682	47669	48991

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

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2008	35,724	24,390	11,334
2011	37,534	25,474	12,060
2015	41,346	28,061	13,285
2018	40,995	26,523	14,472
2021	37,959	23,421	14,538
* 2024	39,376	24,295	15,081

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2046 AADT	DHV30	K %	D %	T24 %	TD %
2280361	SGUEIR00070**C	9.174	9.435	0.261	40,000	45,000	4000	9.0	54.4	43	26

Forecast Segment ID	Route	BMP	EMP
2280362	SGUEIR00070**C	9.435	9.519

Forecast						
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	10.0	44	25,000	Average	0.100	0.100
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
44,000	100.0	24	19,000	Average	1.100	1.100

Regression			
Method Number	PA AADT	BC AADT	AADT
2	23,201	21,238	44,439

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-247	32662	16697	23720	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.26	1.62	0	0	23,250	21,708	22,673	21,418
2	-0.17	1.57	3	4	23,407	21,358	23,201	21,238
3	-0.84	1.53	0	0	19,004	21,314	19,006	21,078
4	-0.54	1.52	3	4	20,815	21,137	20,900	21,044
5	-1.98	1.21	0	0	10,935	19,888	11,815	19,807
6	-1.69	1.33	5	4	13,529	20,327	13,590	20,303

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	21,079	43,786	8,203	17,738	0.28	0.68
2	RAT	2.15	48,868	2.19	20,907	0.58	1.49
3	MRAT	1.24	47,881	1.39	20,024	0.56	1.26
4	RAF		45,834		18,881	0.42	0.97
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Difference		Difference		0.300		0.700	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
26048	27961	17738	20907	43786	48868

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

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2008	35,724	24,390	11,334
2011	37,534	25,474	12,060
2015	41,346	28,061	13,285
2018	40,995	26,523	14,472
2021	37,959	23,421	14,538
* 2024	39,376	24,295	15,081

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2046 AADT	DHV30	K %	D %	T24 %	TD %
2280362	SGUEIR00070**C	9.435	9.519	0.084	39,500	43,500	4400	10.0	100.0	43	23

Forecast Segment ID	Route	BMP	EMP
2325404	CGUECR00035**C	6.928	7.953

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	10.0	0	2,200	Count	<div><div></div>-0.600</div>	0.000
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
2,200	56.0	0	<div><div></div>0</div>	Count	<div><div></div>-999999.000</div>	0.000

Warning: The growth rate was negative and was capped.

Warning: FORECAST TRUCKS ZERO BECAUSE NO TRUCK COUNTS ON SEGMENT

Regression

Method Number	PA AADT	BC AADT	AADT
2	1,867		1,867

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
0	2352	0	0	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.63	0.00	0	0	1,808		1,839	
2	-0.58	0.00	3	0	1,828		1,867	
3	-0.55	0.00	0	0	1,860		1,884	
4	-0.31	0.00	3	0	2,003		2,022	
5	-0.85	0.00	0	0	1,672		1,714	
6	-0.96	0.00	4	0	1,614		1,649	

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
				-999999.000		0.000	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
0	0	0	0	0	0

Process Flag: No model vloumes were joined to TSR segment

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2009	2,390	2,390	
2013	2,263	2,263	
2015	2,372	2,372	
2018	2,216	2,216	
2021	2,176	2,176	
* 2024	2,199	2,199	

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2046 AADT	DHV30	K %	D %	T24 %	TD %
2325404	CGUECR00035**C	6.928	7.953	1.025	2,200	2,200	200	10.0	56.0	0	0