

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
116483	LOG-CR-FY26	2026	2046

Project Description

Replace culverts at various locations in Logan County

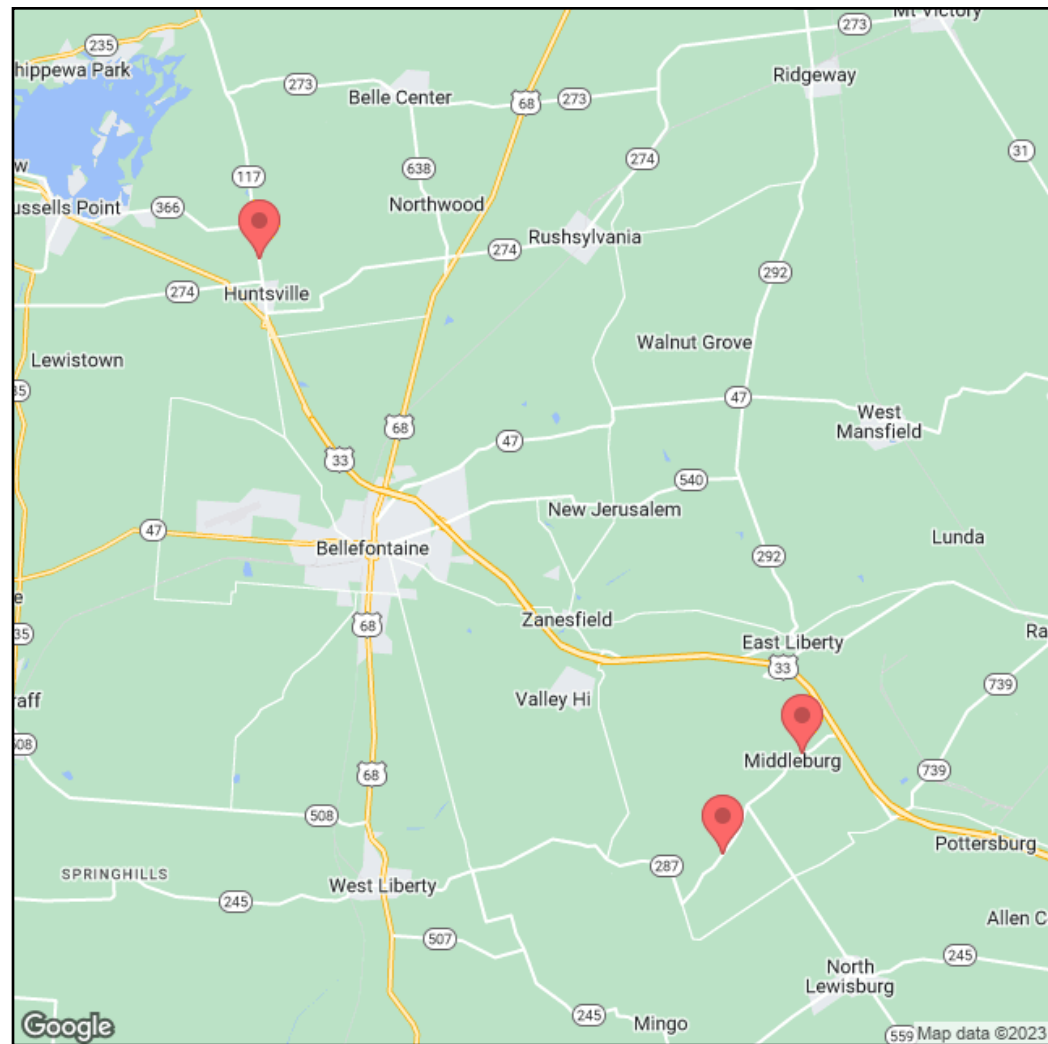
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
1847868	SLOGSR00117**C	4.821	5.832	1.011	-83.8078190956125	40.4543767719773
1848010	SLOGSR00287**C	5.899	8.369	2.470	-83.6114640656221	40.2623271166179
1848013	SLOGSR00287**C	9.820	10.360	0.540	-83.5775867216852	40.2944861368353

Forecast Information

Segment ID	2026 AADT	2046 AADT	DHV-30	K%	D%	T24%	TD%
1847868	8,500	8,600	900	10.6	56.4	17	9
1848010	1,500	1,700	300	18.7	70.0	6	4
1848013	1,400	1,400	250	17.9	67.2	8	5



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
1847868	SLOGSR00117**C	4.821	5.832

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 10.6	16	7,200	Model	● -0.300	0.000
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
8,700	◆ 56.4	9	1,500	Model	0.300	0.300

● Warning: The growth rate was negative and was capped.

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	10,764	1,258	12,022

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
3766	21530	200	4637	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	1.62	1.50	0	0	10,303	1,707	10,409	1,937
2	1.80	-0.28	4	6	10,987	782	10,764	1,258
3	2.14	2.58	0	0	11,489	2,176	11,444	2,346
4	2.09	2.54	4	4	11,646	2,203	11,347	2,331
5	2.70	3.58	0	0	12,726	2,595	12,570	2,728
6	2.06	3.09	4	4	11,576	2,428	11,282	2,541

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	-1,094	7,962	1,215	1,461	-0.33	0.26
2	RAT	0.89	8,026	9.21	2,266	-0.70	2.37
3	MRAT	0.94	8,026	1.66	1,945	-0.54	1.52
4	RAF		7,994		1,703	-0.43	0.89
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Ratio		Difference		-0.300		0.300	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
5760	6565	1461	2266	7221	8831

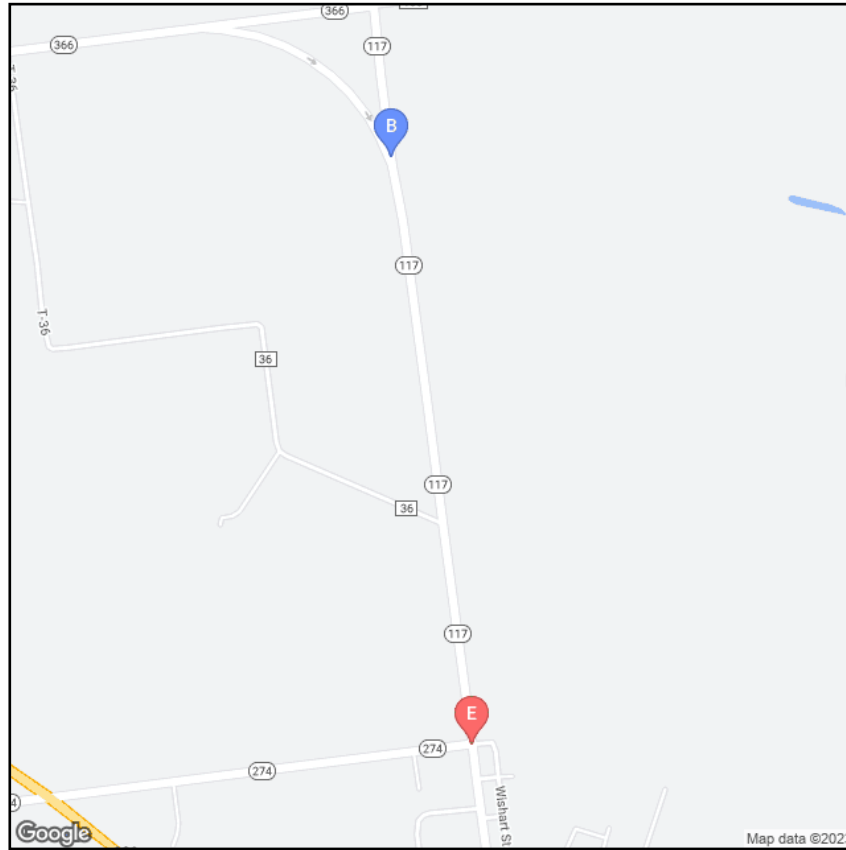
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Historical Count

Year	All	Cars	Trucks
2007	6,580	5,630	950
2011	6,700	5,800	900
2013	6,910	5,982	928
2016	5,990	5,192	797
2019	8,409	7,454	955
* 2022	8,523	7,160	1,363

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2046 AADT	DHV30	K %	D %	T24 %	TD %
1847868	SLOGSR00117**C	4.821	5.832	1.011	8,500	8,600	900	10.6	56.4	17	9

Forecast Segment ID	Route	BMP	EMP
1848010	SLOGSR00287**C	5.899	8.369

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 18.7	7	1,700	Average	1.000	1.000
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
1,800	◆ 70.0	5	100	Average	● -3.700	0.000

● Warning: The growth rate was negative and was capped.

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
4	2,155	-109	2,046

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-843	2859	-183	156	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-0.99	-5.72	0	0	1,069	-53	952	-59
2	-1.46	-5.25	5	2	818	-40	781	-46
3	-0.33	-6.89	0	0	1,349	-89	1,197	-91
4	2.26	-7.54	6	3	2,483	-107	2,155	-109
5	-1.62	-5.87	0	0	822	-59	719	-63
6	-2.14	-5.07	5	4	550	-37	527	-41

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	1,121	1,285	95	100	-0.36	0.07
2	RAT	4.79	786	31.28	156	-1.87	2.11
3	MRAT	0.55	786	1.60	135	-1.81	1.35
4	RAF		1,036		118	-1.09	0.73
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Difference		Difference		-0.400		0.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
630	1185	100	156	730	1341

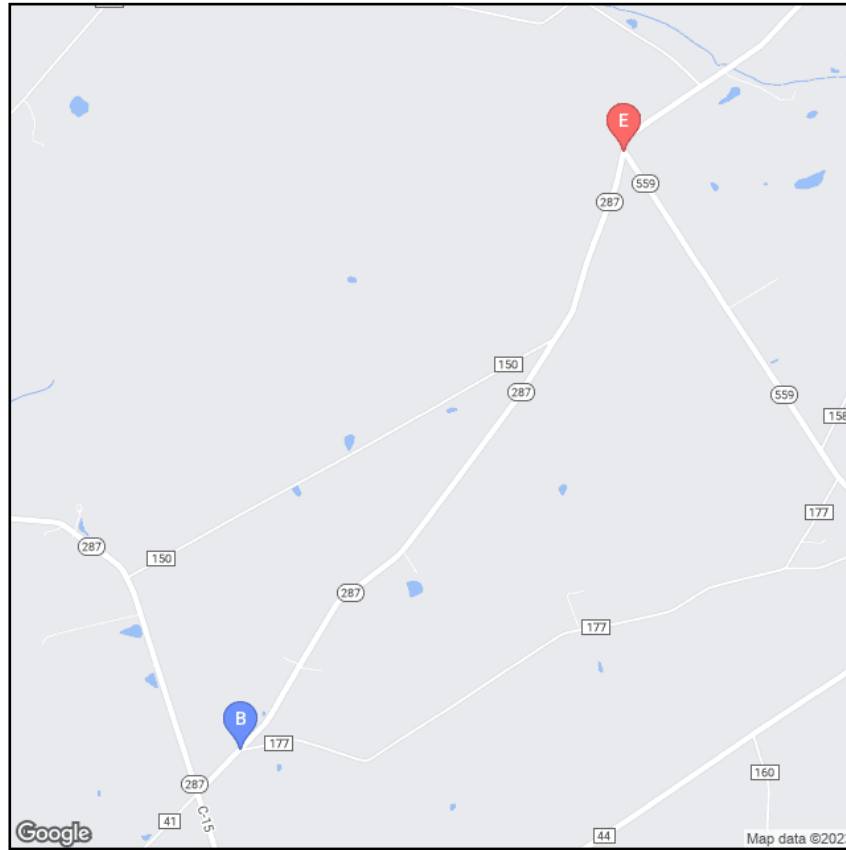
Process Flag: Adjusted model to counts with process per ODOT 255 spreadsheet

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2007	1,880	1,700	180
2011	1,605	1,426	179
2014	1,639	1,499	139
2016	1,754	1,604	149
2019	1,751	1,629	122
* 2022	1,417	1,319	98

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2046 AADT	DHV30	K %	D %	T24 %	TD %
1848010	SLOGSR00287**C	5.899	8.369	2.470	1,500	1,700	300	18.7	70.0	6	4

Forecast Segment ID	Route	BMP	EMP
1848013	SLOGSR00287**C	9.820	10.360

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 17.9	8	1,300	Average	● -1.000	0.000
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
1,410	◆ 67.2	5	110	Average	● -0.900	0.000

● Warning: The growth rate was negative and was capped.

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
1	872	56	928

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-875	3486	-150	317	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-1.10	-1.82	0	0	969	69	872	56
2	-1.82	-2.63	5	5	596	30	617	30
3	-0.65	-1.50	0	0	1,153	80	1,032	66
4	-1.53	-2.57	5	5	714	33	719	32
5	-0.07	-1.19	0	0	1,376	91	1,235	76
6	-0.93	-2.19	5	5	950	46	933	44

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	414	1,104	110	116	-0.77	0.06
2	RAT	1.43	988	27.58	165	-1.24	1.60
3	MRAT	0.72	988	1.45	150	-1.20	1.13
4	RAF		1,046		133	-0.98	0.60
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
823	988	116	165	939	1153

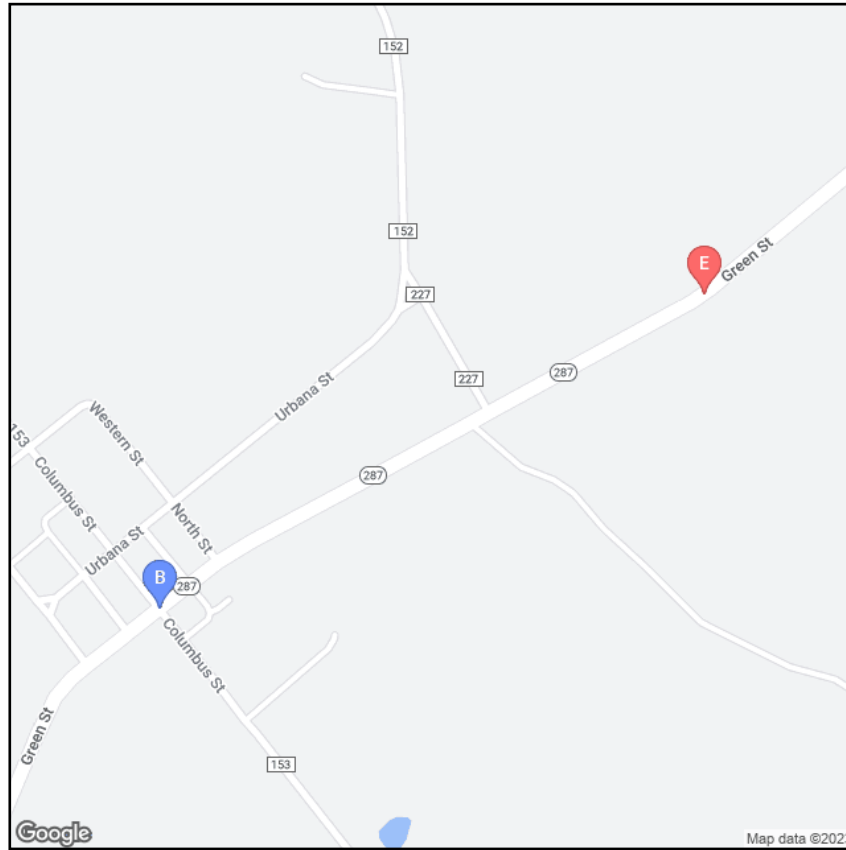
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Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2007	1,770	1,610	160
2011	1,658	1,509	149
2014	1,450	1,320	130
2016	1,552	1,413	139
2019	1,785	1,628	157
* 2022	1,374	1,260	114

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2046 AADT	DHV30	K %	D %	T24 %	TD %
1848013	SLOGSR00287**C	9.820	10.360	0.540	1,400	1,400	250	17.9	67.2	8	5