

TFMS - Segment Forecast Report

Username	Email	Script Import Date	Script Version	Model Version
Jzickafoose	Joshua.Zickafoose@dot.ohio.gov	7/1/2026 4:28:45 PM	Initial	2026.1900

Forecast Summary

Project ID	Project Name	Opening Year	Design Year
125514	ROS-159-6.61	2029	2049

Project Description

Bridge replacement on state Route 159 in Ross County.

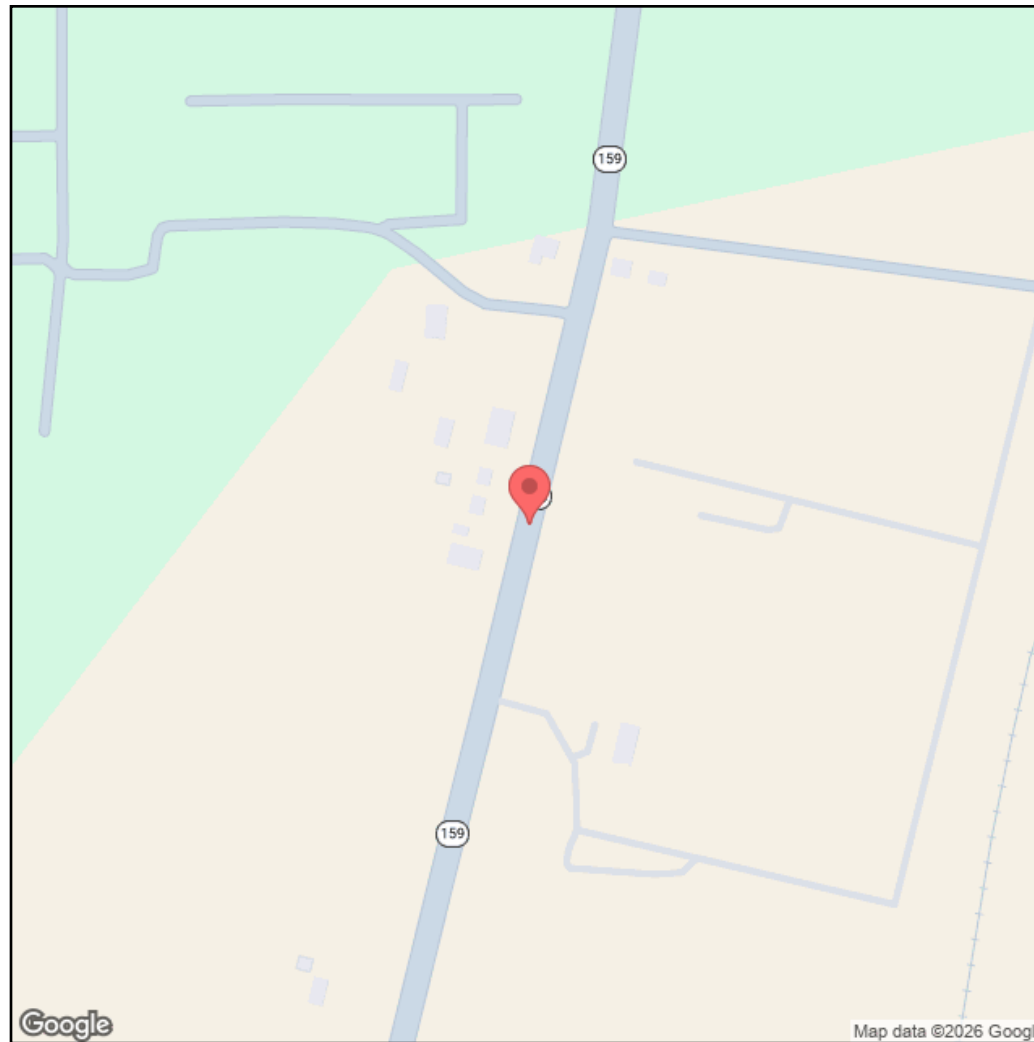
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude	Local Id
2421894	SROSSR00159**C	5.230	6.450	1.220	-82.9569905043637	39.415686578369	7671

Forecast Information

Segment ID	2029 AADT	2049 AADT	DHV-30	K%	D%	T24%	TD%
2421894	7,600	7,600	1,200	16.3	70.7	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
2421894	SROSSR00159**C	5.230	6.450

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 16.3	8	7,000	Average	● -0.200	0.000
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
7,640	◆ 70.7	5	640	Average	● -0.800	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
2	6,312	358	6,670

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
2920	7912	-507	1598	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.72	1.05	0	0	5,776	840	5,749	809
2	-0.40	-1.77	2	1	6,377	317	6,312	358
3	-1.44	-1.77	0	0	4,320	317	4,494	358
4	-1.44	-1.18	4	3	4,390	411	4,493	452
5	-1.07	-2.11	0	0	5,040	255	5,136	303
6	-1.21	-2.74	4	4	4,826	166	4,893	202

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	5,410	7,737	412	671	0.03	0.19
2	RAT	3.41	7,946	2.80	725	0.12	0.52
3	MRAT	1.04	7,938	1.13	719	0.12	0.49
4	RAF		7,837		695	0.08	0.34
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Difference		Difference		0.000		0.200	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
7066	7221	671	725	7737	7946

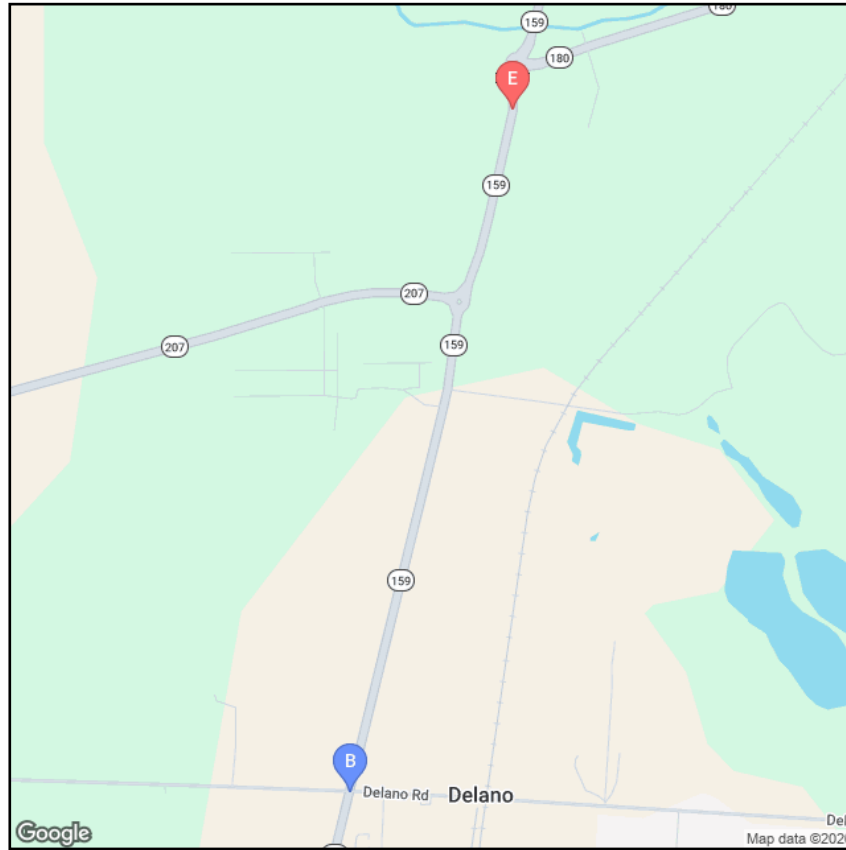
Process Flag: Adjusted model to counts with process per ODOT 255 spreadsheet

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2010	7,680	7,290	390
2013	8,920	8,197	722
2016	8,519	7,737	781
2019	7,746	7,157	589
2022	7,699	7,095	604
* 2025	7,650	7,009	641

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2029 AADT	Yr 2049 AADT	DHV30	K %	D %	T24 %	TD %
2421894	SROSSR00159**C	5.230	6.450	1.220	7,600	7,600	1200	16.3	70.7	8	5