

TFMS - Segment Forecast Report

Username	Email	Script Import Date	Script Version	Model Version
eric.debolt	eric.debolt@dot.ohio.gov	4/14/2020 5:30:19 PM	2020.001	2024.1900

Forecast Summary

Project ID	Project Name	Opening Year	Design Year
122330	CAR SR 39 18.07	2031	2051

Project Description

Replace bridge carrying SR 39 over Friday Creek. In Stream work is required.

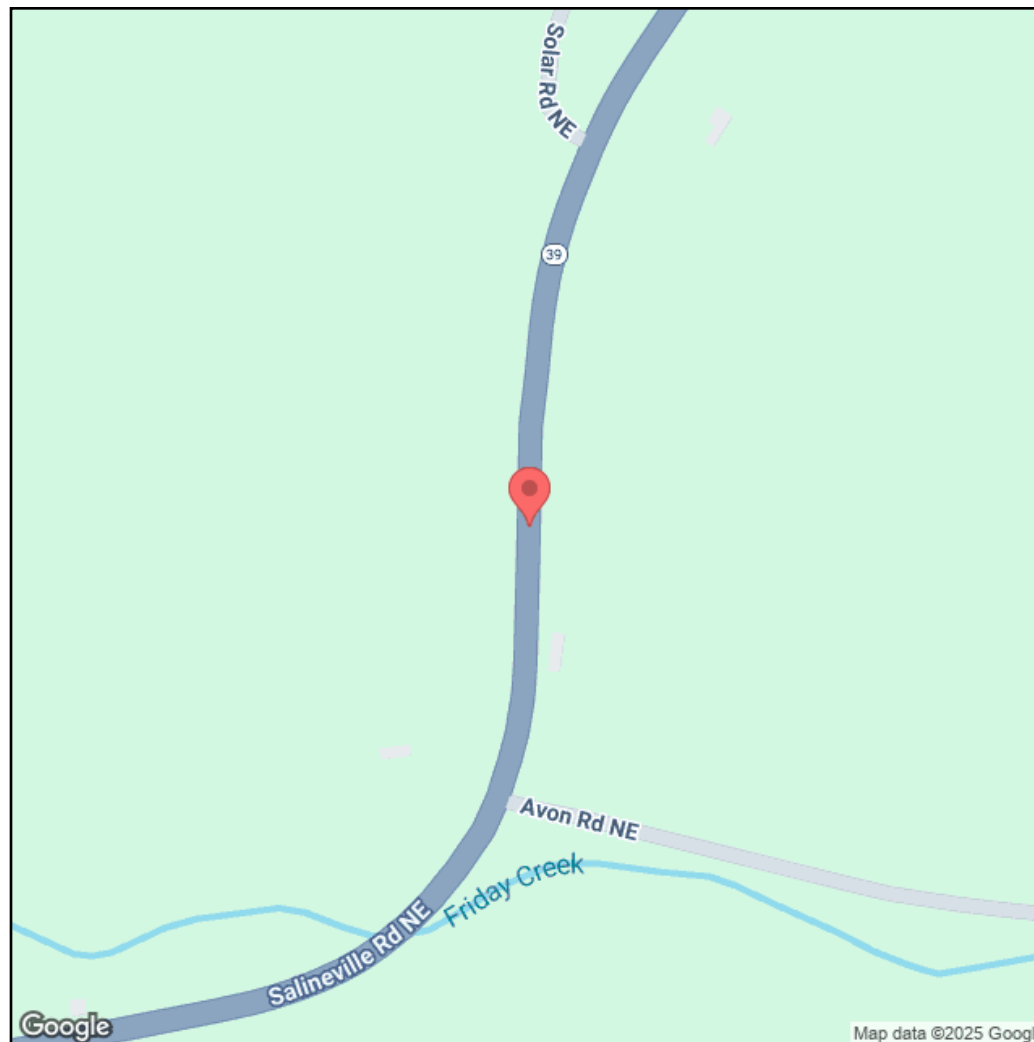
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
1914577	SCARSR00039**C	15.149	21.356	6.207	-81.0295272515418	40.5836447903142

Forecast Information

Segment ID	2031 AADT	2051 AADT	DHV-30	K%	D%	T24%	TD%
1914577	2,300	2,300	250	11.5	59.9	9	4



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
1914577	SCARSR00039**C	15.149	21.356

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 11.5	7	2,100	Average	● -0.500	0.000
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
2,310	◆ 59.9	3	210	Model	1.500	1.500

● 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	1,616	68	1,684

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-1027	2921	-594	368	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-1.06	-2.65	0	0	1,611	80	1,505	43
2	-0.87	-2.04	3	3	1,681	96	1,616	68
3	-2.16	-4.54	0	0	895	-8	881	-34
4	-1.62	-2.38	3	3	1,202	80	1,188	54
5	-3.65	-9.98	0	0	-47	-255	33	-256
6	-3.40	-11.28	5	4	157	-302	174	-309

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	515	2,267	73	199	-0.07	1.18
2	RAT	1.30	2,269	1.93	243	-0.15	2.26
3	MRAT	1.00	2,269	1.61	226	-0.12	1.84
4	RAF		2,268		212	-0.09	1.50
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		-0.100		1.500	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
2026	2068	199	243	2225	2311

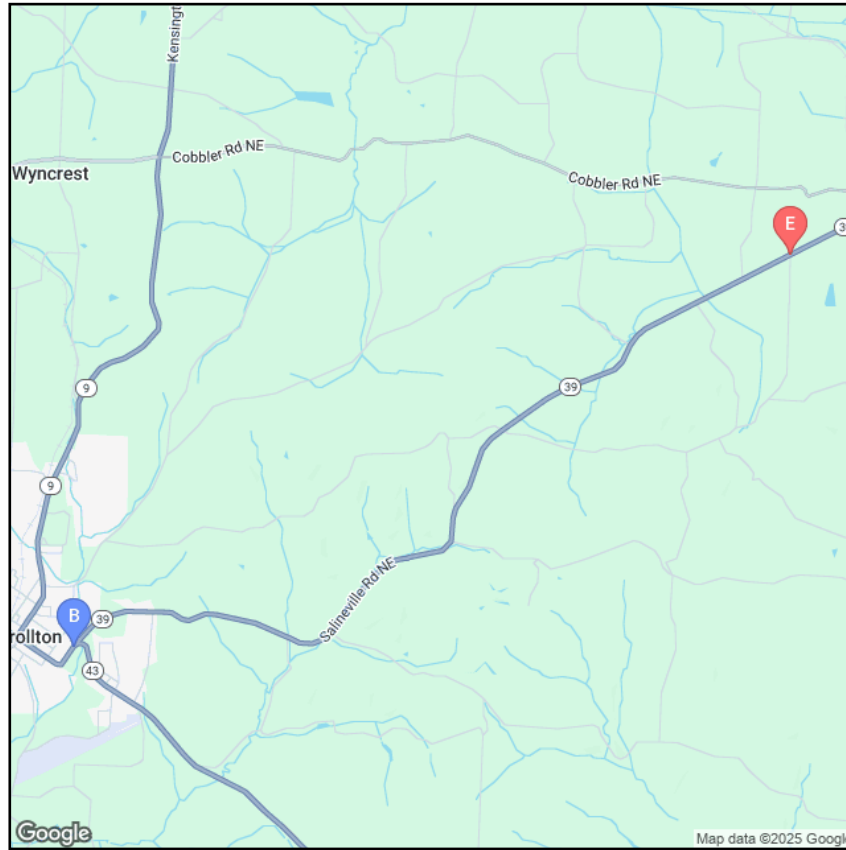
Process Flag: Adjusted model to counts with process per ODOT 255 spreadsheet

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2008	2,540	2,320	220
2011	2,690	2,480	210
2014	3,080	2,771	308
2017	2,672	2,470	202
2020	2,369	2,149	220
* 2023	2,260	2,109	151

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2031 AADT	Yr 2051 AADT	DHV30	K %	D %	T24 %	TD %
1914577	SCARSR00039**C	15.149	21.356	6.207	2,300	2,300	250	11.5	59.9	9	4