

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
122985	ROS-50-32.76	2028	2048

Project Description

Bridge replacement state Route 50 in Ross County.

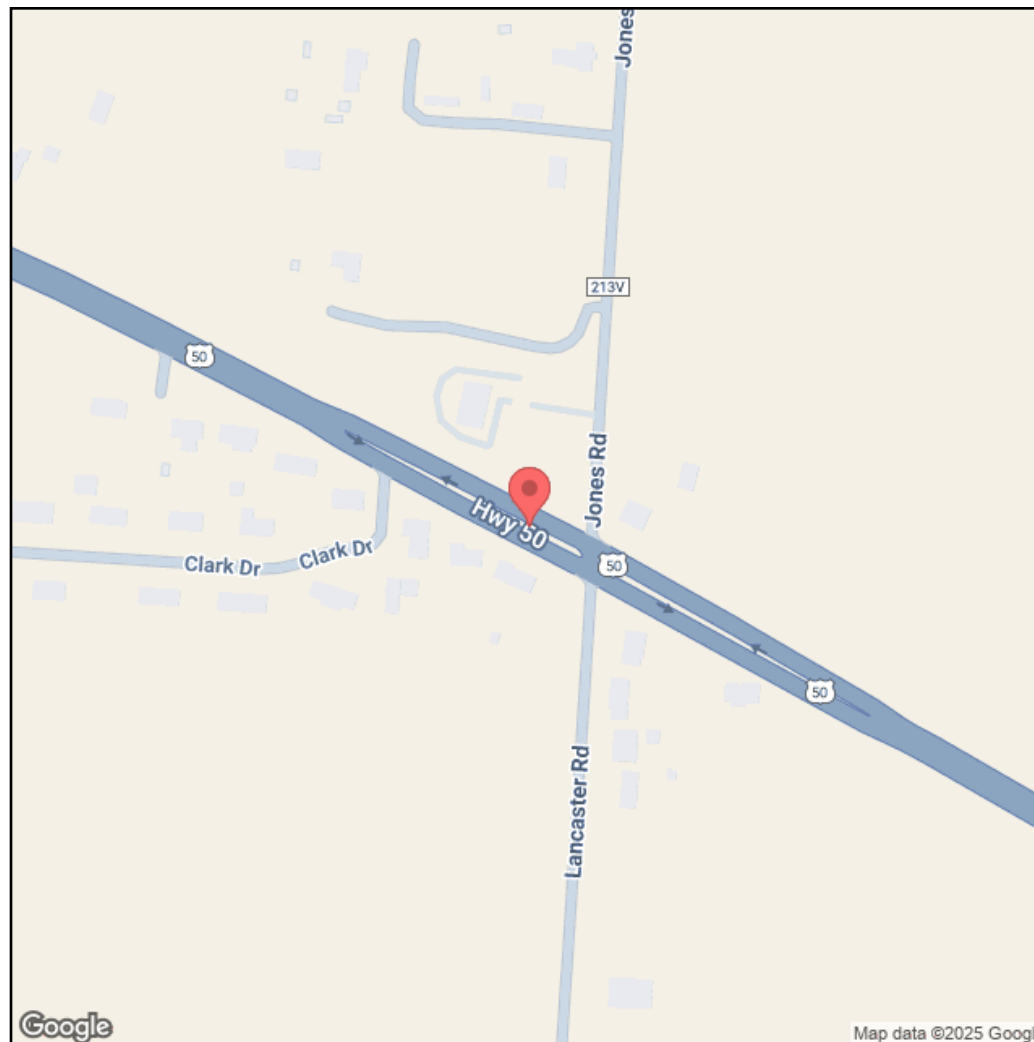
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
2255065	SROSUS00050**C	28.828	33.312	4.484	-82.8685412068603	39.2877783750023

Forecast Information

Segment ID	2028 AADT	2048 AADT	DHV-30	K%	D%	T24%	TD%
2255065	7,100	7,300	850	11.9	64.4	9	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
2255065	SROSUS00050**C	28.828	33.312

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 11.9	8	6,700	Average	0.100	0.100
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
7,360	◆ 64.4	4	660	Model	0.900	0.900

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	6,289	563	6,852

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-1439	10508	-355	911	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.01	-2.24	0	0	6,690	181	6,492	226
2	-0.11	0.16	4	1	6,280	568	6,289	563
3	-1.13	0.16	0	0	4,475	568	4,565	563
4	-1.10	0.13	4	4	4,387	574	4,613	559
5	-1.74	0.16	0	0	3,347	569	3,545	564
6	-1.35	-0.20	5	4	4,302	524	4,199	513

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	-2,997	7,803	235	635	0.42	0.67
2	RAT	0.70	7,565	1.77	708	0.23	1.19
3	MRAT	1.08	7,583	1.31	691	0.25	1.07
4	RAF		7,693		663	0.33	0.87
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.300		0.900	

Method 1 - 4 Volume

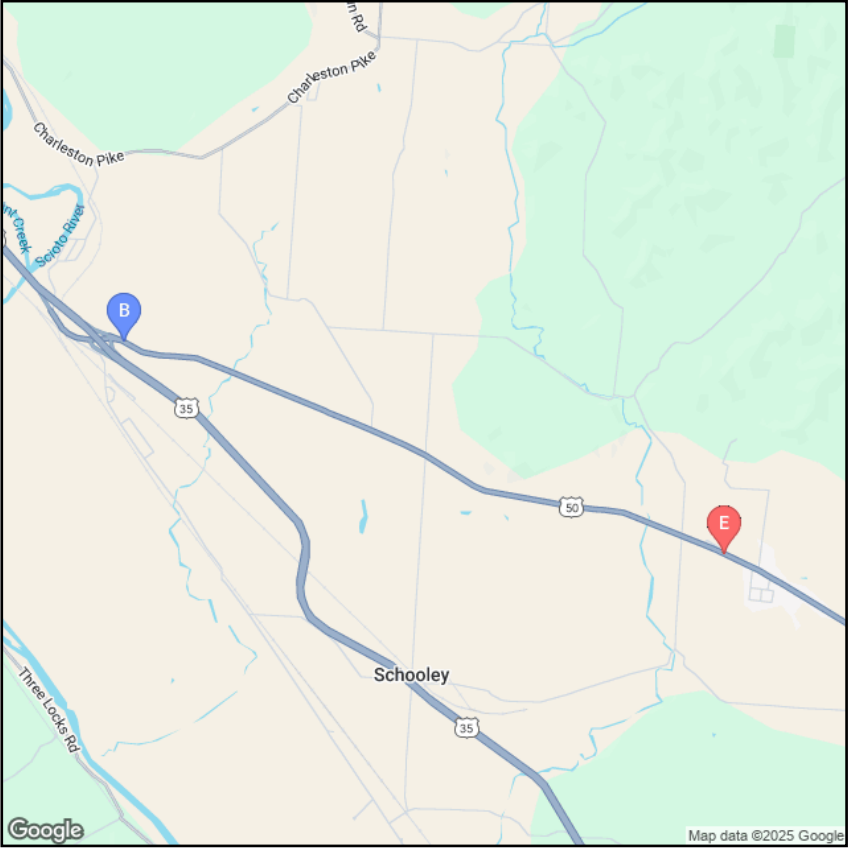
PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
6857	7168	635	708	7492	7876

Process Flag:	Adjusted model to counts with process per ODOT 255 spreadsheet
Comment:	No Comment

Historical Count

Year	All	Cars	Trucks
2010	6,730	5,940	790
2013	7,450	6,912	537
2015	7,707	7,150	556
2018	7,905	7,405	500
2021	6,651	6,079	572
* 2024	7,009	6,468	541

* Pivot Point



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