

TFMS - Segment Forecast Report

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

Forecast Summary

Project ID	Project Name	Opening Year	Design Year
116542	JEF SR 7 4.01	2031	2051

Project Description

Replace bridge carrying SR 7 over Shannon's Run. In stream work is required.

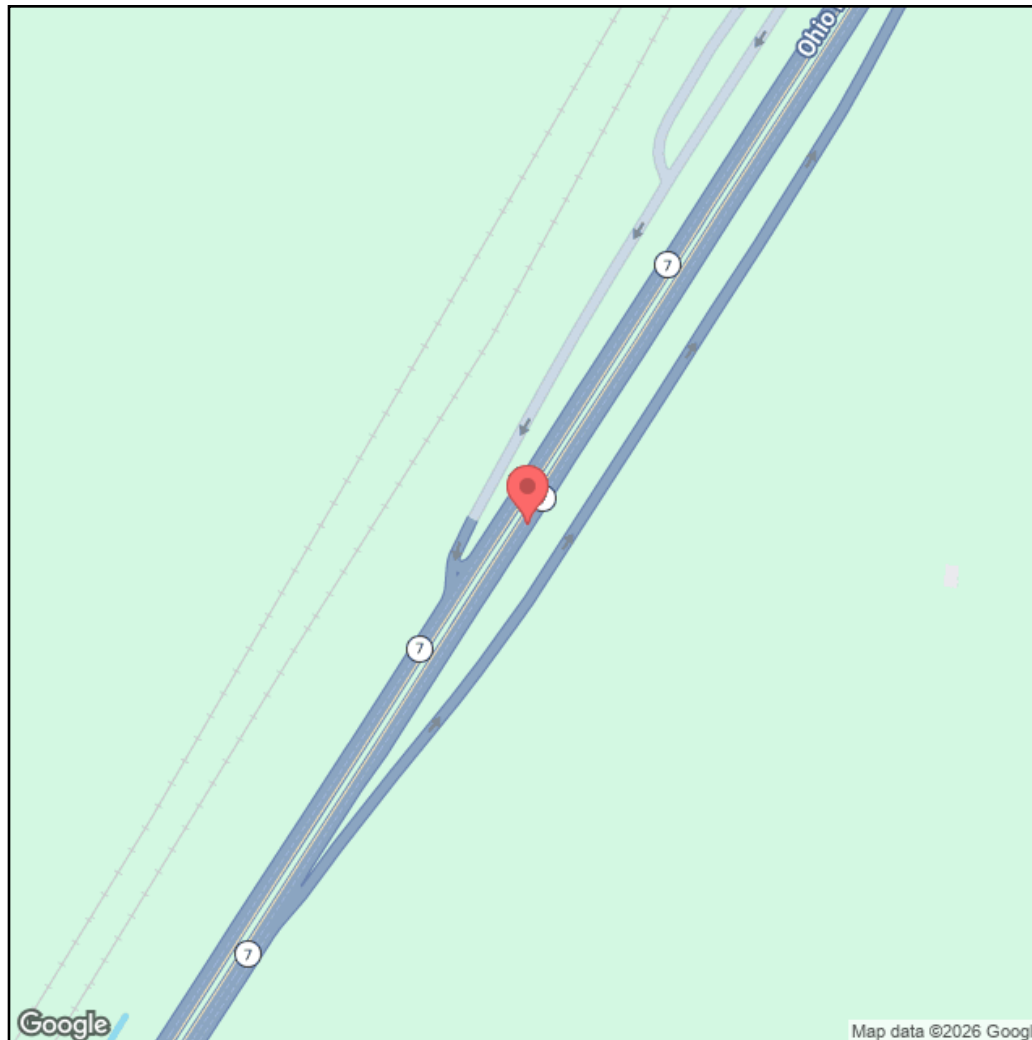
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
2274337	SJEFSR00007**C	2.797	4.945	2.148	-80.6724716782522	40.204553316718

Forecast Information

Segment ID	2031 AADT	2051 AADT	DHV-30	K%	D%	T24%	TD%
2274337	12,500	14,000	1,700	12.4	52.0	12	10



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
2274337	SJEFSR00007**C	2.797	4.945

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.4	14	12,000	Model	0.800	0.800
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
13,700	◆ 52.0	12	1,700	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	6,812	952	7,764

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-22440	35683	-1365	1878	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-1.24	-1.67	0	0	6,216	915	6,812	952
2	-0.84	-1.45	4	3	8,324	991	7,858	1,047
3	-2.12	-2.56	0	0	3,571	468	4,511	563
4	-2.25	-2.05	4	3	4,169	699	4,179	786
5	-1.19	-2.82	0	0	6,282	339	6,961	446
6	-2.94	-3.17	4	4	2,222	207	2,371	297

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	-2,063	13,817	1,270	1,647	0.80	-0.07
2	RAT	0.85	13,508	4.10	1,547	0.72	-0.30
3	MRAT	1.15	13,548	0.92	1,547	0.74	-0.30
4	RAF		13,683		1,597	0.77	-0.19
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		0.800		-0.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
11961	12170	1547	1647	13508	13817

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

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2010	12,260	10,370	1,890
2013	14,155	12,129	2,025
2015	14,769	12,655	2,112
2018	8,132	6,396	1,736
2021	12,194	10,581	1,613
* 2024	11,745	10,066	1,679

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2031 AADT	Yr 2051 AADT	DHV30	K %	D %	T24 %	TD %
2274337	SJEFSR00007**C	2.797	4.945	2.148	12,500	14,000	1700	12.4	52.0	12	10