

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
107668	BEL SR 7 11.870	2031	2051

Project Description

Replace deck on existing steel beam bridge carrying SR 7 over railroad. Project will also repair the retaining walls and substructure units. Traffic data for the NB on ramp.

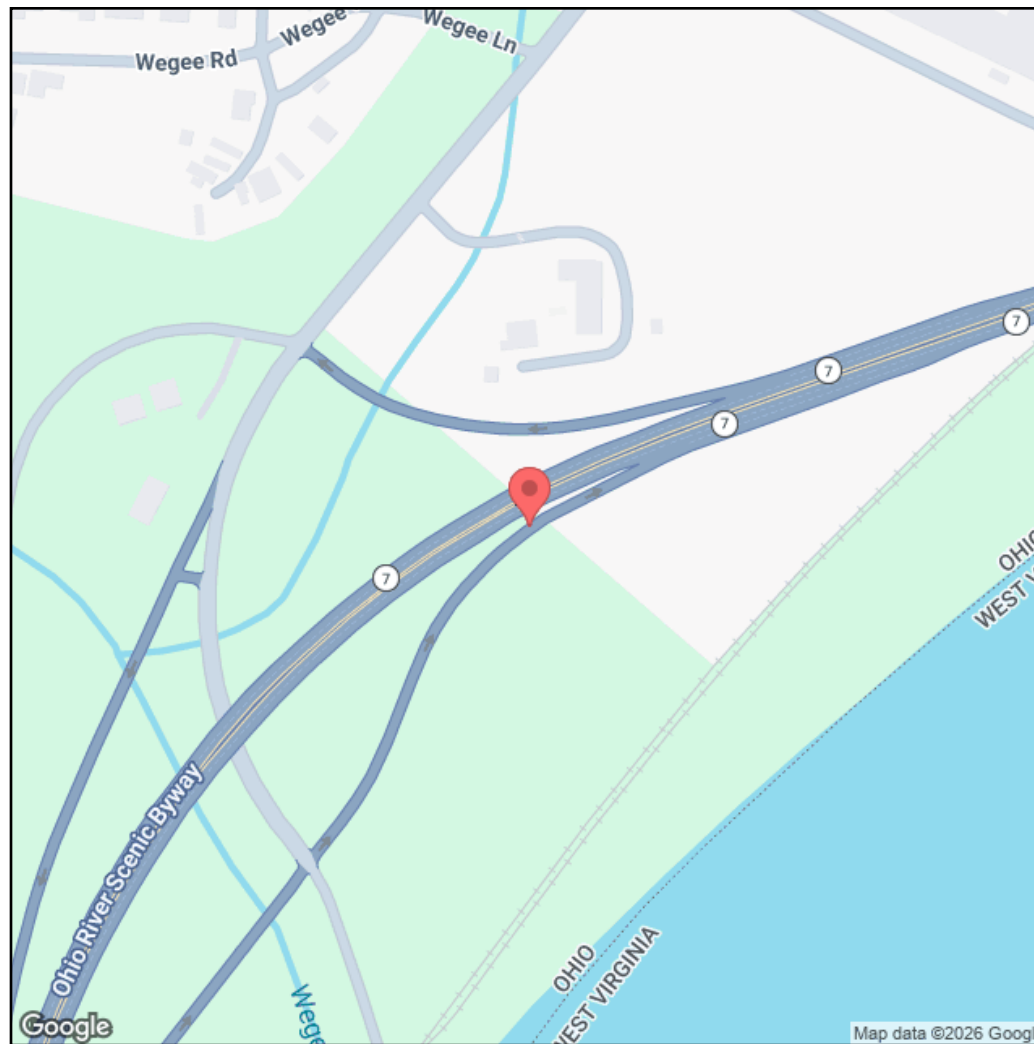
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude	Local Id
2296631	SBELRA07050**C	0.000	0.284	0.284	-80.7586593853051	39.9616396182185	32607

Forecast Information

Segment ID	2031 AADT	2051 AADT	DHV-30	K%	D%	T24%	TD%
2296631	600	600	100	17.3	100.0	8	1



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
2296631	SBELRA07050**C	0.000	0.284

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 17.3	7	570	Average	● -0.800	0.000
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
620	100.0	1	50	Model	0.400	0.400

● 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	314	67	381

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-823	876	-69	188	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-1.72	2.01	0	0	312	63	314	67
2	-0.99	3.32	5	5	476	85	423	82
3	-3.07	1.84	0	0	82	60	115	65
4	-2.26	3.23	5	5	255	84	234	81
5	-4.03	1.57	0	0	-77	57	-27	62
6	-3.24	3.06	5	5	94	82	89	79

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	-320	655	-18	50	0.24	0.52
2	RAT	0.66	641	0.71	48	0.16	0.35
3	MRAT	1.05	642	1.10	48	0.17	0.35
4	RAF		649		49	0.21	0.44

Adjust Method AADT	Adjust Method BC	Selected PA Growth Rate %	Selected BC Growth Rate %
Average	Average	0.200	0.400

Method 1 - 4 Volume

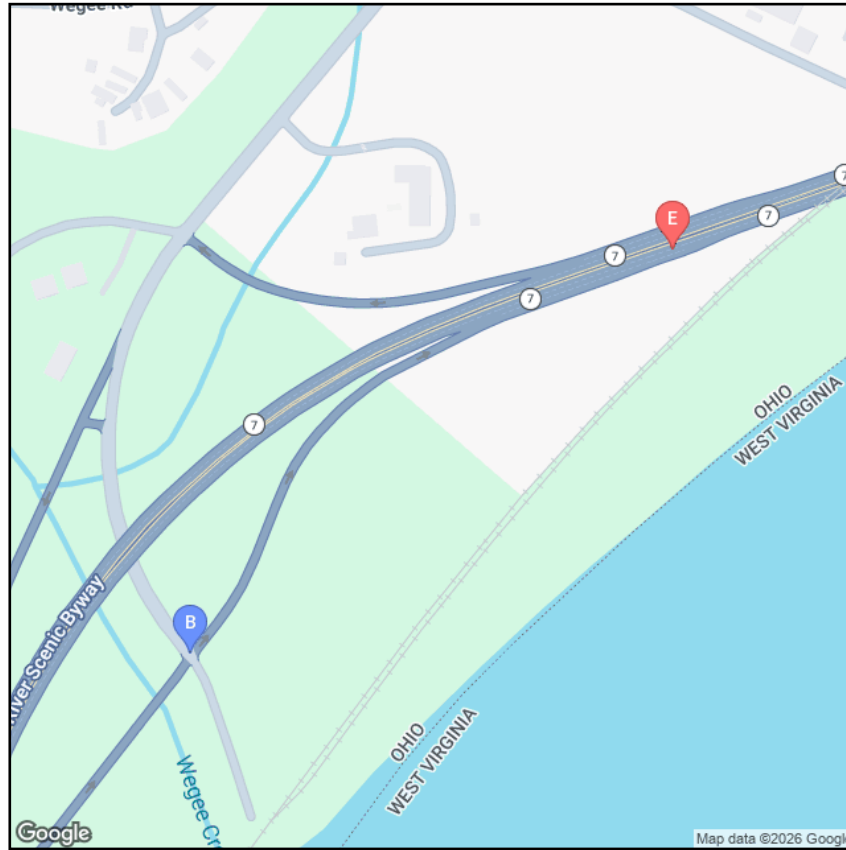
PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
593	605	48	50	641	655

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

Historical Count

Year	All	Cars	Trucks
2009	662	637	25
2012	741	712	29
2015	760	730	29
2018	746	699	47
2021	516	493	23
* 2024	613	569	44

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2031 AADT	Yr 2051 AADT	DHV30	K %	D %	T24 %	TD %
2296631	SBELRA07050**C	0.000	0.284	0.284	600	600	100	17.3	100.0	8	1