

# 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.

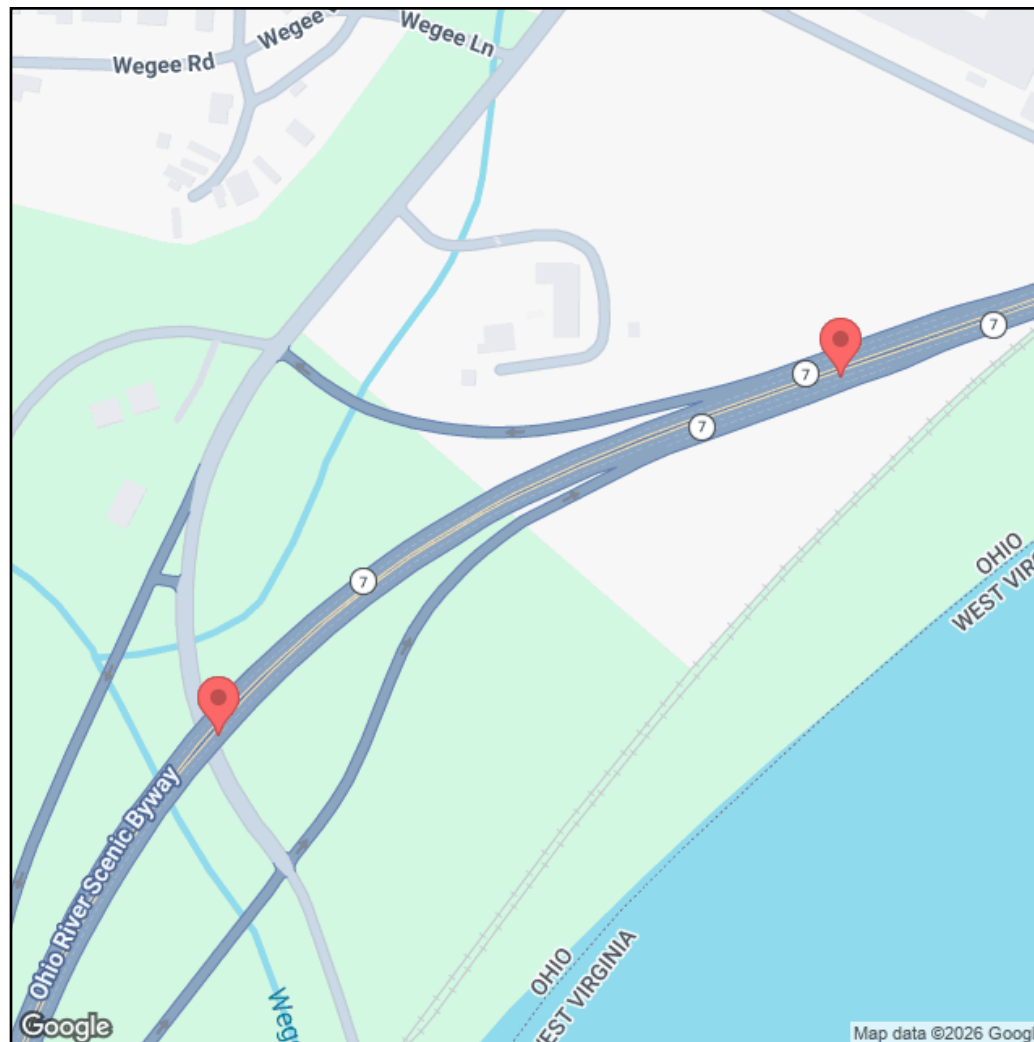
\*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

## Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude	Local Id
2296716	SBELSR00007**C	11.424	11.865	0.441	-80.7605684844748	39.960597376998	24507
2296717	SBELSR00007**C	11.865	11.935	0.070	-80.7564534490784	39.9624162816559	24507

## Forecast Information

Segment ID	2031 AADT	2051 AADT	DHV-30	K%	D%	T24%	TD%
2296716	12,500	12,500	1,600	12.5	53.9	14	18
2296717	12,500	13,000	1,600	12.5	53.9	14	17



**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
2296716	SBELSR00007**C	11.424	11.865

## Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.5	13	11,000	Model	0.100	0.100
AAADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
12,800	◆ 53.9	17	1,800	Model	0.300	0.300

◆ K/D factors from TCDS were used.

## Regression

Method Number	PA AADT	BC AADT	AAADT
2	11,574	2,130	13,704

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-2711	18391	-10008	8493	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.48	2.18	0	0	12,136	3,092	12,005	2,585
2	0.33	1.12	4	4	11,290	2,198	11,574	2,130
3	0.06	-0.37	0	0	10,793	1,831	10,841	1,493
4	0.06	-0.37	4	4	10,459	1,475	10,841	1,492
5	-1.06	-7.04	0	0	7,335	-1,362	7,741	-1,370
6	-0.57	-3.89	5	4	9,322	-165	9,100	-17

## 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	9,445	12,693	1,482	1,759	0.09	0.25
2	RAT	4.28	13,911	9.83	2,724	0.19	2.50
3	MRAT	1.13	13,772	1.65	2,344	0.27	1.62
4	RAF		13,232		2,051	0.18	0.93

Adjust Method AADT	Adjust Method BC	Selected PA Growth Rate %	Selected BC Growth Rate %
Difference	Difference	0.100	0.300

### Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
10934	11428	1759	2724	12693	14152

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

## Historical Count

Year	All	Cars	Trucks
2009	10,782	9,586	1,196
2012	11,230	9,830	1,400
2015	13,148	10,994	2,153
2018	15,370	11,922	3,448
2021	10,978	9,506	1,472
* 2024	12,322	10,672	1,650

\* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2031 AADT	Yr 2051 AADT	DHV30	K %	D %	T24 %	TD %
2296716	SBELSR00007**C	11.424	11.865	0.441	12,500	12,500	1600	12.5	53.9	14	18

Forecast Segment ID	Route	BMP	EMP
2296717	SBELSR00007**C	11.865	11.935

## Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.5	13	11,000	Model	0.100	0.100
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
12,800	◆ 53.9	17	1,800	Model	0.300	0.300

◆ K/D factors from TCDS were used.

## Regression

Method Number	PA AADT	BC AADT	AADT
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-2711	18391	-10008	8493	2050

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5	-1.06	-7.04	0	0	7,335	-1,362	7,741	-1,370
6	-0.57	-3.89	5	4	9,322	-165	9,100	-17

## 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	8,512	12,736	1,420	1,765	0.11	0.27
2	RAT	3.23	13,662	7.18	2,478	0.18	1.93
3	MRAT	1.11	13,571	1.50	2,240	0.24	1.38
4	RAF		13,154		2,003	0.17	0.82

Adjust Method AADT	Adjust Method BC	Selected PA Growth Rate %	Selected BC Growth Rate %
Difference	Difference	0.100	0.300

### Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
10971	11331	1765	2478	12736	13809

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

## Historical Count

Year	All	Cars	Trucks
2009	10,782	9,586	1,196
2012	11,230	9,830	1,400
2015	13,148	10,994	2,153
2018	15,370	11,922	3,448
2021	10,978	9,506	1,472
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\* Pivot Point



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2296717	SBELSR00007**C	11.865	11.935	0.070	12,500	13,000	1600	12.5	53.9	14	17