

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
106237	BEL SR 7 19.750	2031	2051

Project Description

Replace bridge carrying SR 7 over Us 250, US 40, and SR 7 ramps and Wheeling Creek. AER developed under PID 105324.

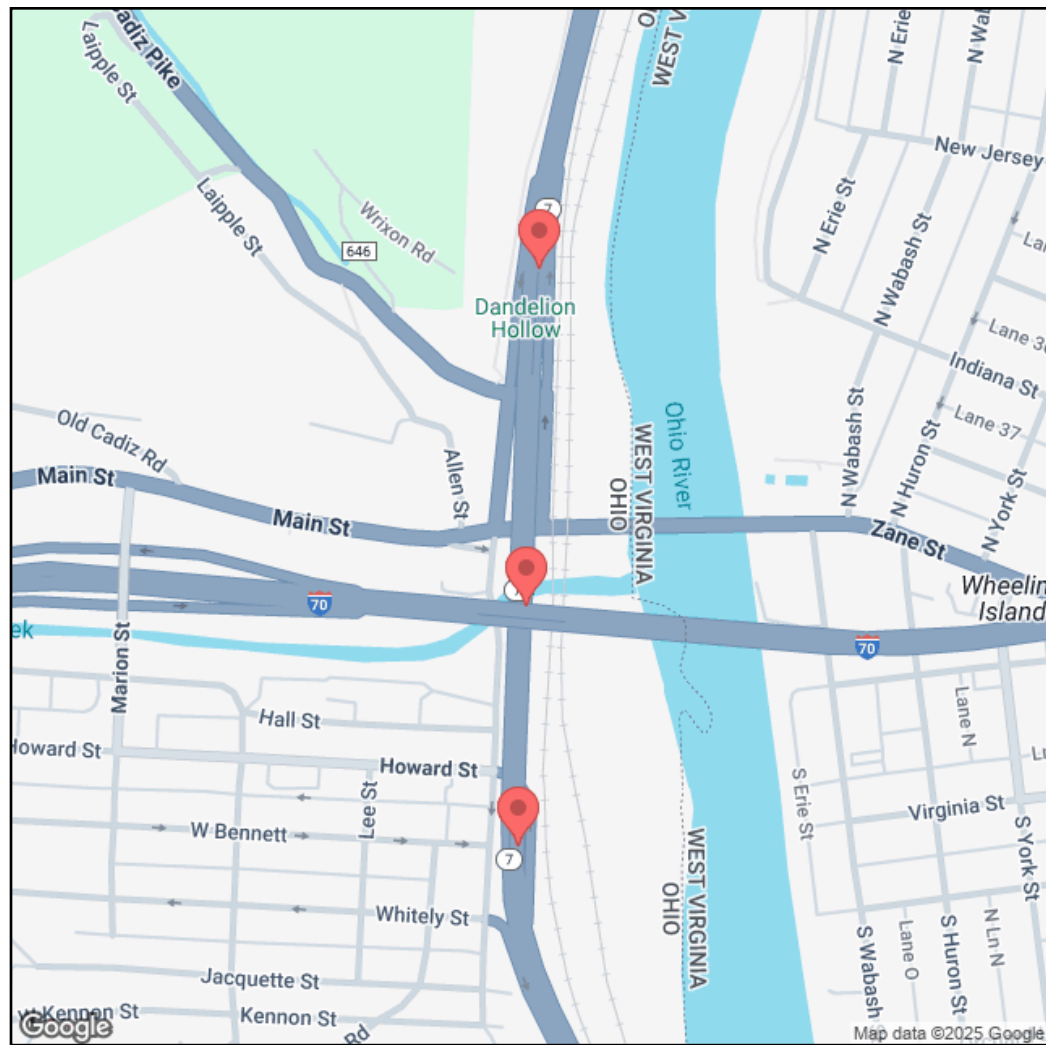
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
2296751	SBELSR00007**C	19.803	19.834	0.031	-80.7404567575556	40.0690773913232
2296752	SBELSR00007**C	19.834	20.138	0.304	-80.740340443043	40.0715020723614
2296753	SBELSR00007**C	20.138	20.306	0.168	-80.7401724784021	40.0749180554605

Forecast Information

Segment ID	2031 AADT	2051 AADT	DHV-30	K%	D%	T24%	TD%
2296751	15,000	15,500	2,000	12.8	51.0	13	10
2296752	26,000	26,000	3,300	12.8	51.7	12	12
2296753	26,000	26,000	3,300	12.8	51.7	12	12



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
2296751	SBELSR00007**C	19.803	19.834

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.8	10	14,000	Average	● -0.400	0.000
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
16,000	◆ 51.0	7	2,000	Average	1.400	1.400

● 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	11,209	2,549	13,758

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-31932	53573	-7044	10274	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-0.67	3.03	0	0	15,644	3,545	11,209	2,549
2	2.51	10.35	6	6	30,503	6,882	22,446	5,264
3	-1.85	0.61	0	0	10,816	2,502	7,052	1,651
4	3.09	-9.62	6	2	32,771	-1,726	24,490	-2,140
5	-6.13	-9.62	0	0	-6,031	-1,726	-8,052	-2,140
6	-7.05	-11.37	5	5	-10,817	-2,673	-11,327	-2,788

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	5,892	14,896	1,133	1,361	-0.01	-0.18
2	RAT	1.65	14,824	4.87	1,110	0.04	-0.85
3	MRAT	0.99	14,824	0.78	1,110	0.04	-0.85
4	RAF		14,860		1,235	0.01	-0.52
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		0.000		-0.200	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
13499	13714	1110	1361	14609	15075

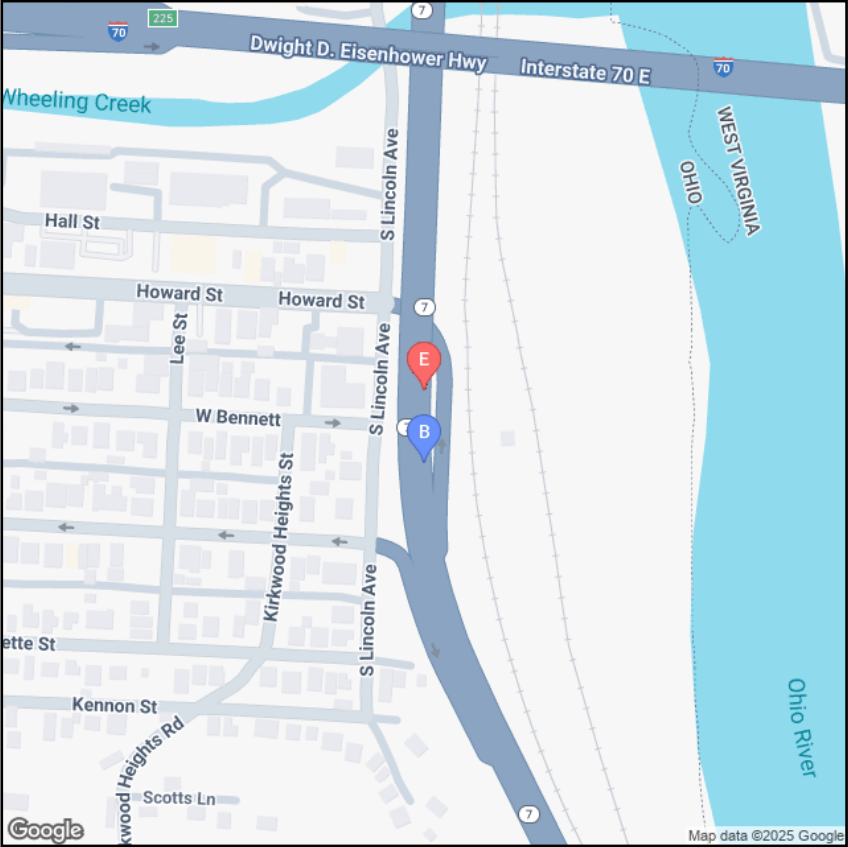
Process Flag: Adjusted model to counts with process per ODOT 255 spreadsheet

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2008	19,460	18,040	1,420
2012	18,173	16,875	1,298
2015	24,467	21,696	2,770
2018	24,227	21,370	2,857
2021	23,519	20,745	2,774
* 2024	15,009	13,583	1,426

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2031 AADT	Yr 2051 AADT	DHV30	K %	D %	T24 %	TD %
2296751	SBELSR00007**C	19.803	19.834	0.031	15,000	15,500	2000	12.8	51.0	13	10

Forecast Segment ID	Route	BMP	EMP
2296752	SBELSR00007**C	19.834	20.138

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.8	12	23,000	Average	● -1.400	0.000
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
26,100	◆ 51.7	12	3,100	Model	● -0.100	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	6,044	3,816	9,860

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-6205	23226	923	7595	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-2.82	0.84	0	0	6,727	3,395	6,044	3,816
2	-2.47	0.28	2	2	8,913	2,919	8,149	3,357
3	-3.82	2.63	0	0	-123	5,087	147	5,272
4	-3.82	3.12	4	5	202	5,660	146	5,664
5	-3.40	2.24	0	0	2,674	4,729	2,654	4,951
6	-3.61	2.72	4	5	1,564	5,301	1,400	5,343

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	23,551	25,801	2,981	3,066	0.00	-0.08
2	RAT	11.12	25,020	21.10	1,794	0.08	-1.64
3	MRAT	0.97	25,020	0.57	1,794	0.08	-1.64
4	RAF		25,411		2,430	0.04	-0.86
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Difference		Difference		0.000		-0.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
22735	23226	1794	3066	24529	26292

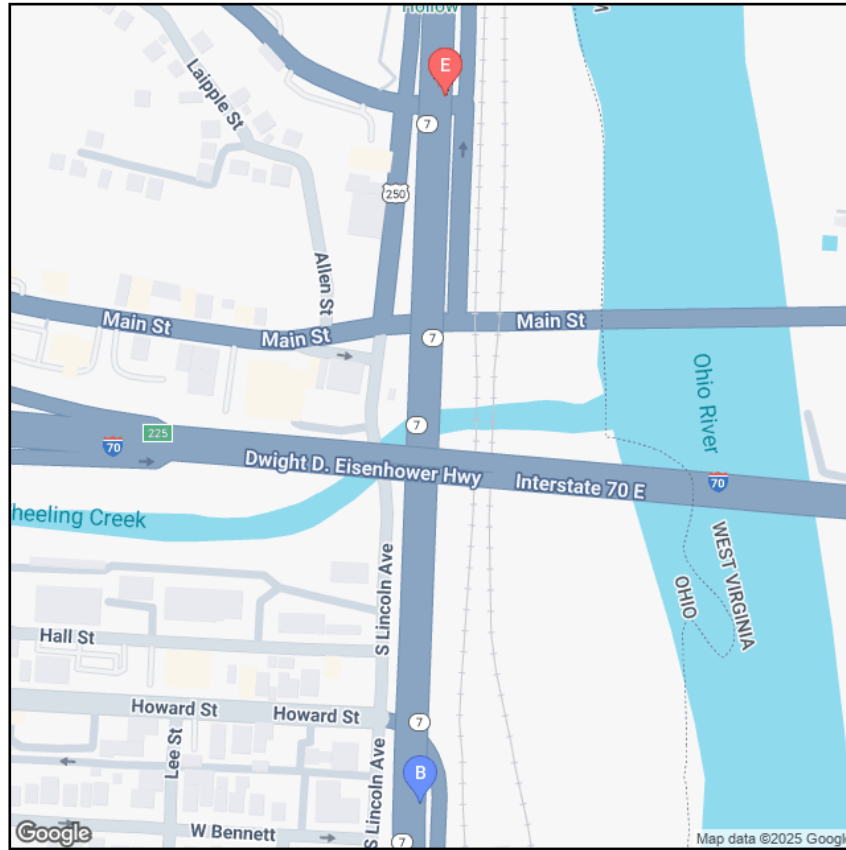
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Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2008	34,460	31,670	2,790
2012	35,370	33,490	1,880
2015	32,626	30,221	2,404
2018	28,845	26,393	2,452
2021	28,003	25,623	2,380
* 2024	25,878	22,749	3,129

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2031 AADT	Yr 2051 AADT	DHV30	K %	D %	T24 %	TD %
2296752	SBELSR00007**C	19.834	20.138	0.304	26,000	26,000	3300	12.8	51.7	12	12

Forecast Segment ID	Route	BMP	EMP
2296753	SBELSR00007**C	20.138	20.306

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.8	12	23,000	Average	● -1.400	0.000
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
26,100	◆ 51.7	12	3,100	Model	● -0.100	0.000

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Regression

Method Number	PA AADT	BC AADT	AADT
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95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-6205	23123	923	7595	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-2.82	0.84	0	0	6,727	3,395	6,044	3,816
2	-2.47	0.28	2	2	8,913	2,919	8,149	3,357
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6	-3.61	2.72	4	5	1,564	5,301	1,400	5,343

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	16,761	25,765	2,836	3,064	-0.01	-0.08
2	RAT	2.84	25,558	10.68	2,435	0.06	-0.85
3	MRAT	0.99	25,558	0.78	2,435	0.06	-0.85
4	RAF		25,662		2,749	0.03	-0.47
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Difference		Difference		0.000		-0.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
22701	23123	2435	3064	25136	26187

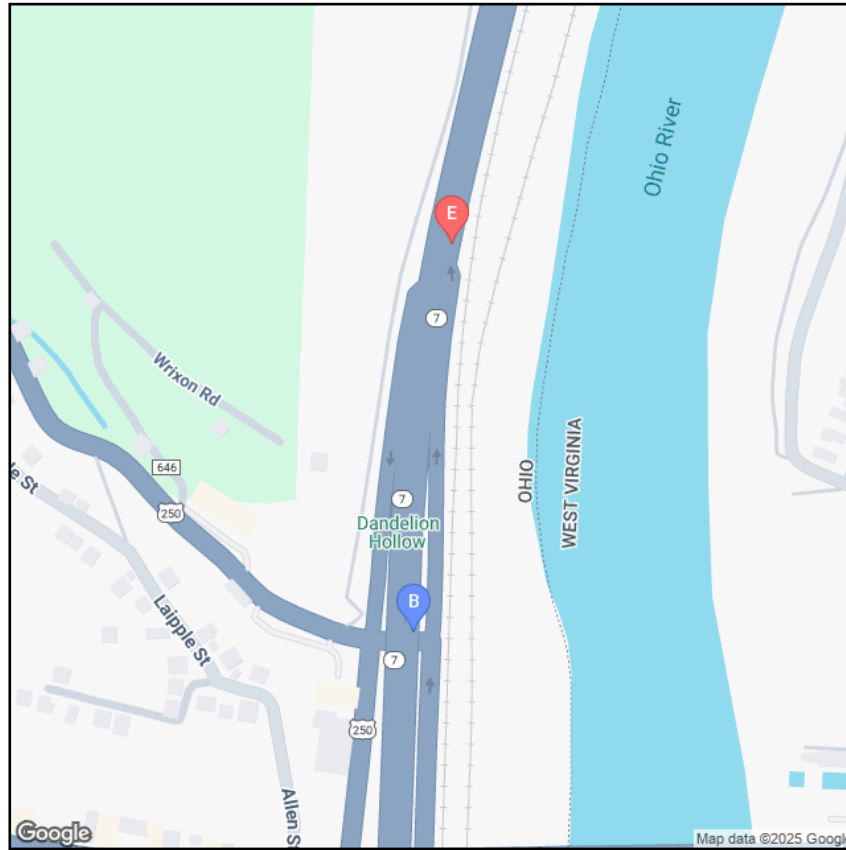
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