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
120944	JEF SR 7 13.9	2032	2052

Project Description

Replace sidehill bridge carrying SR 7 northbound over slope.

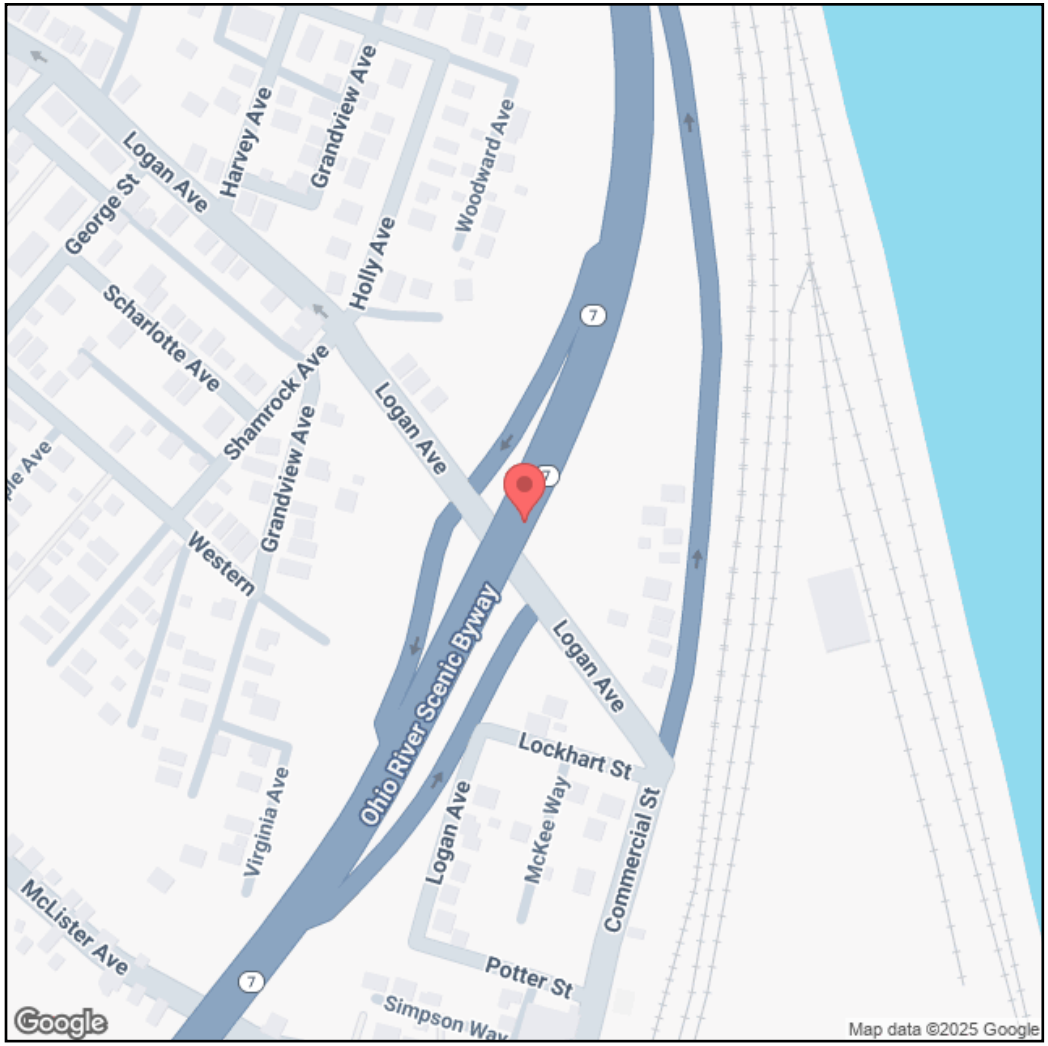
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
1933872	SJEFSR00007**C	13.462	13.959	0.497	-80.6063459115256	40.3245951165257

Forecast Information

Segment ID	2032 AADT	2052 AADT	DHV-30	K%	D%	T24%	TD%
1933872	15,500	17,000	2,000	11.8	55.1	18	22



Definitions:

- AADT – Annual Average Daily Traffic
- DHV30 – Design Hour Volume for 30th highest hour of the year
- DHV30 – K * AADT
- K % – Design Hour Factor
- D % – Peak Direction Factor
- T24 % – Percent Daily Trucks
- TD % – Percent Design Hour Trucks

Forecast Segment ID	Route	BMP	EMP
1933872	SJEFSR00007**C	13.462	13.959

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 11.8	21	14,000	Model	0.500	0.500
AADT	**D%**	**TD % (Existing)**	**BC AADT**	**BC Method**	**BC Growth Rate %**	**BC Calculated Rate %**
17,100	◆ 55.1	24	3,100	Model	● 0.000	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	224	5,490	5,714

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-31773	38596	-12743	19232	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-3.63	2.79	0	0	-1,491	5,819	224	5,490
2	-3.30	2.16	4	4	826	4,694	1,324	4,955
3	-3.57	2.27	0	0	-1,235	5,319	449	5,051
4	-3.84	2.79	4	4	-1,168	5,287	-458	5,485
5	-2.45	0.08	0	0	2,735	3,294	4,088	3,195
6	-4.09	3.08	4	4	-2,015	5,552	-1,256	5,735

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	4,922	16,494	2,906	3,110	0.41	-0.02
2	RAT	1.48	17,130	13.99	2,853	0.69	-0.33
3	MRAT	1.13	17,058	0.91	2,853	0.67	-0.33
4	RAF		16,776		2,982	0.54	-0.18

Adjust Method AADT	Adjust Method BC	Selected PA Growth Rate %	Selected BC Growth Rate %
Average	Difference	0.500	0.000

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total Max Volume
13384	14277	2853	3110	16237	17387

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

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2010	18,260	16,090	2,170
2013	17,874	15,750	2,124
2014	18,290	16,090	2,170
2017	13,486	8,295	5,191
2020	14,001	11,618	2,383
* 2023	15,168	12,038	3,130

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2032 AADT	Yr 2052 AADT	DHV30	K %	D %	T24 %	TD %
1933872	SJEFSR00007**C	13.462	13.959	0.497	15,500	17,000	2000	11.8	55.1	18	22