

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
122459	TUS SR 39 12.94	2027	2047

Project Description

PROTECT bridge carrying SR 39 over the Tuscarawas River.

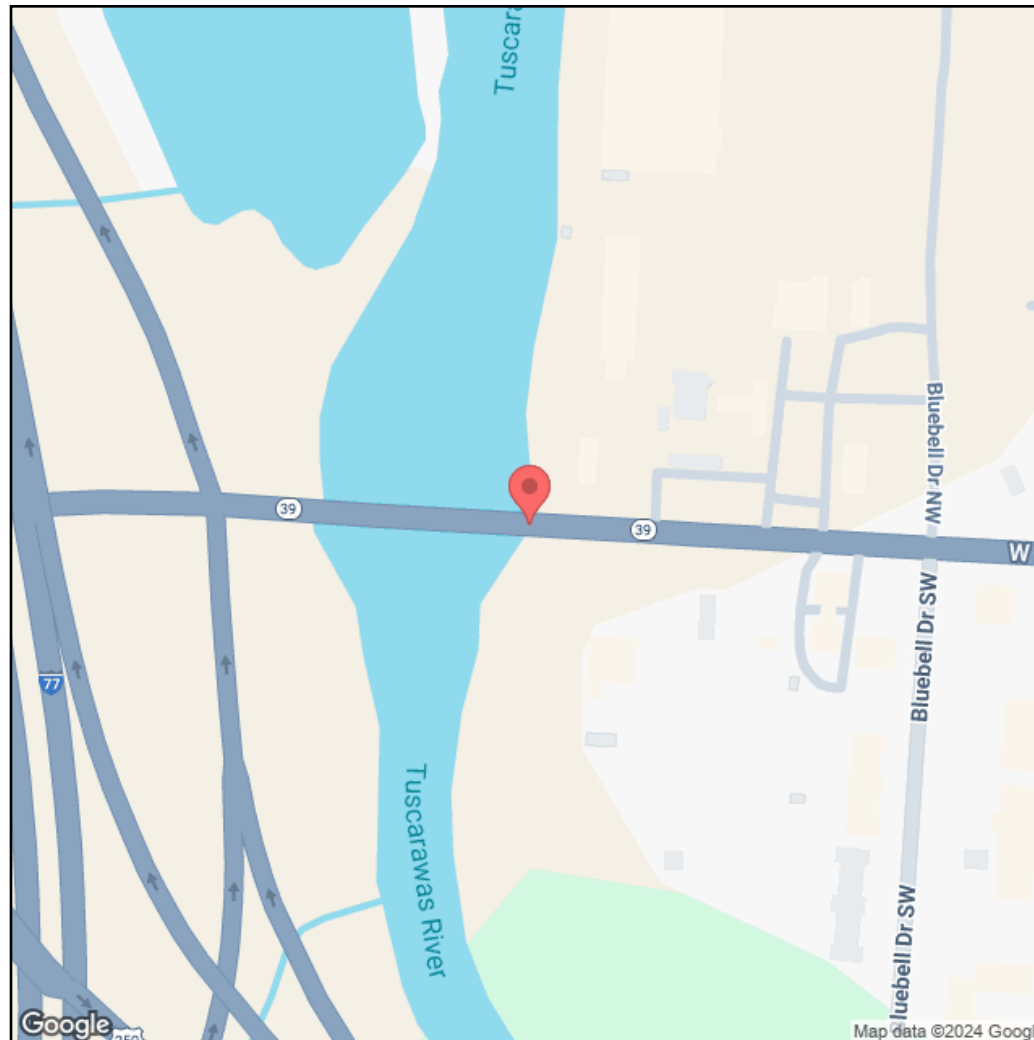
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
1955780	STUSSR00039**C	12.896	13.116	0.220	-81.4752789324794	40.4934639411164

Forecast Information

Segment ID	2027 AADT	2047 AADT	DHV-30	K%	D%	T24%	TD%
1955780	22,500	27,000	2,900	10.9	63.3	8	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
1955780	STUSSR00039**C	12.896	13.116

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 10.9	9	26,000	Average	1.200	1.200
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
28,200	◆ 63.3	12	2,200	Model	0.300	0.300

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	30,990	3,923	34,913

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
11739	43396	-31034	27813	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	1.05	5.51	0	0	22,965	6,166	24,756	4,966
2	2.24	3.58	1	4	30,060	3,971	30,990	3,923
3	2.24	-0.09	0	0	30,060	2,731	30,990	1,948
4	2.20	1.42	4	4	30,076	2,671	30,768	2,761
5	2.64	-7.10	0	0	32,323	-1,391	33,064	-1,830
6	2.43	1.62	4	4	31,340	2,787	31,958	2,870

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	5,888	22,254	1,486	2,181	0.15	0.34
2	RAT	1.38	22,620	3.92	2,722	0.11	1.35
3	MRAT	1.06	22,598	1.36	2,578	0.14	1.08
4	RAF		22,426		2,380	0.14	0.71
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		0.200		0.300	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
19898	20245	2181	2722	22079	22967

Process Flag:

Adjusted model to counts with process per ODOT 255 spreadsheet

Comment:

No Comment

Historical Count

Year	All	Cars	Trucks
2010	17,760	17,040	720
2013	16,320	14,668	1,651
2014	16,434	14,770	1,663
2017	21,581	14,639	6,942
2020	18,038	16,347	1,691
* 2023	21,295	19,299	1,996

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2027 AADT	Yr 2047 AADT	DHV30	K %	D %	T24 %	TD %
1955780	STUSSR00039**C	12.896	13.116	0.220	22,500	27,000	2900	10.9	63.3	8	10