

TFMS - Segment Forecast Report

Username	Email	Script Import Date	Script Version	Model Version
eric.debolt	eric.debolt@dot.ohio.gov	4/14/2020 5:30:19 PM	2020.001	2024.1900

Forecast Summary

Project ID	Project Name	Opening Year	Design Year
122460	TUS US 36 18.00	2027	2047

Project Description

PROTECT bridge carrying Exit Ramp J over the Big Stillwater Creek by placing Rock Channel Protection to correct Scour.

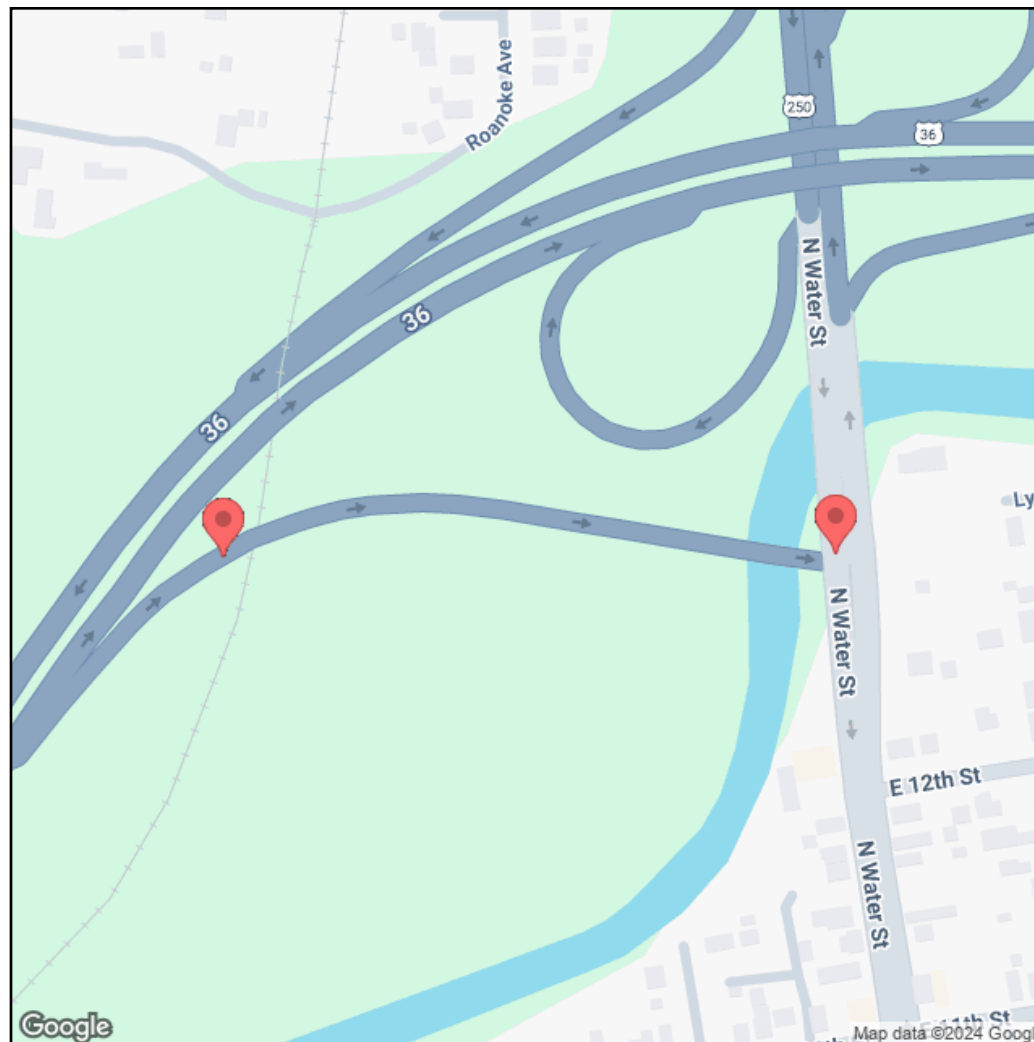
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
1955682	STUSRA79050**C	0.000	0.403	0.403	-81.3528721057852	40.4024657723201
1955684	STUSRA79050**C	0.403	0.440	0.037	-81.3488065656488	40.4024753586764

Forecast Information

Segment ID	2027 AADT	2047 AADT	DHV-30	K%	D%	T24%	TD%
1955682	3,400	3,500	450	13.0	100.0	4	6
1955684	3,400	3,500	450	13.0	56.0	4	6



Definitions:

- o AADT – Annual Average Daily Traffic
- o DHV30 – Design Hour Volume for 30th highest hour of the year
- o $DHV30 = K \times AADT$
- 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
1955682	STUSRA79050**C	0.000	0.403

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 13.0	4	3,400	Average	0.100	0.100
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
3,530	100.0	6	130	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
2	3,402	-19	3,383

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
262	5579	-708	721	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-0.21	-3.62	0	0	2,891	22	3,070	3
2	0.17	-4.25	5	4	3,368	-24	3,402	-19
3	-0.56	0.09	0	0	2,539	171	2,761	133
4	-0.15	0.66	5	4	3,049	169	3,124	153
5	-0.33	-4.05	0	0	2,764	12	2,967	-12
6	0.04	-0.94	5	4	3,223	109	3,285	97

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	1,455	3,422	42	126	0.05	-0.11
2	RAT	1.75	3,451	1.48	125	0.08	-0.14
3	MRAT	1.02	3,450	0.96	125	0.08	-0.14
4	RAF		3,436		126	0.06	-0.11
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.100		-0.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
3296	3326	125	126	3421	3452

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

Historical Count

Year	All	Cars	Trucks
2010	3,311	3,055	256
2013	3,398	3,276	122
2014	3,452	3,304	147
2017	3,269	2,999	271
2020	2,999	2,835	164
* 2023	3,383	3,253	130

* Pivot Point



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Forecast Segment ID	Route	BMP	EMP
1955684	STUSRA79050**C	0.403	0.440

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 13.0	4	3,400	Count	0.200	0.200
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
3,530	56.0	6	130	Count	● -4.300	0.000

● Warning: The growth rate was negative and was capped.

◆ K/D factors from TCDS were used.

Regression

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5	-0.33	-4.05	0	0	2,764	12	2,967	-12
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Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
				-999999.000		-999999.000	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
0	0	0	0	0	0

Process Flag:	No model vloumes were joined to TSR segment
Comment:	No Comment

Historical Count

Year	All	Cars	Trucks
2010	3,311	3,055	256
2013	3,398	3,276	122
2014	3,452	3,304	147
2017	3,269	2,999	271
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