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
125042	TUS US 250 12.32	2030	2058

Project Description

Rehabilitate bridge carrying US 250 Eastbound over IR 77, Stone Creek and Ramp E.

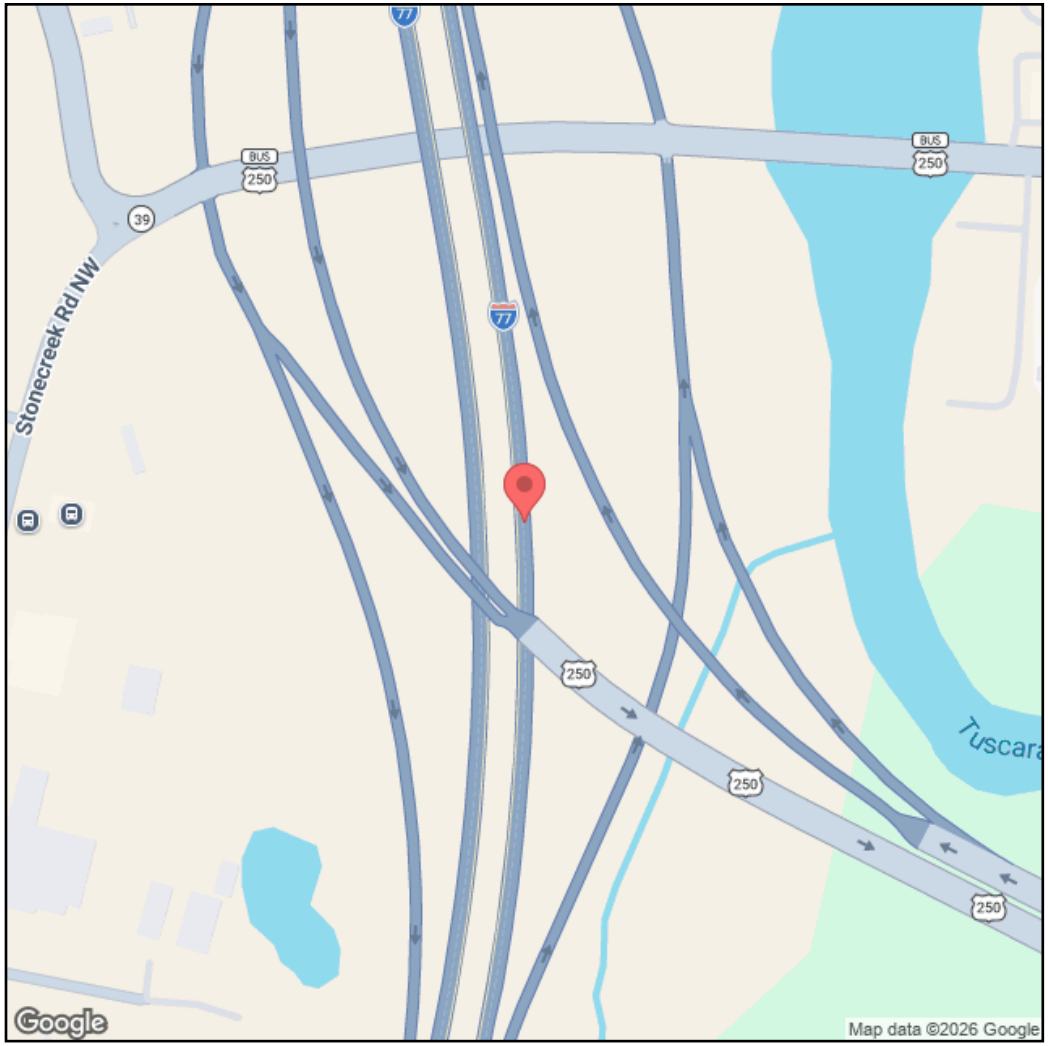
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
2252623	STUSIR00077**C	20.710	20.847	0.137	-81.4783043833535	40.4916250174159

Forecast Information

Segment ID	2030 AADT	2058 AADT	DHV-30	K%	D%	T24%	TD%
2252623	22,000	26,500	3,400	13.0	50.5	17	10



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
2252623	STUSIR00077**C	20.710	20.847

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 13.0	12	21,000	Model	0.500	0.500
AADT	**D%**	**TD % (Existing)**	**BC AADT**	**BC Method**	**BC Growth Rate %**	**BC Calculated Rate %**
25,000	◆ 50.5	7	4,000	Model	2.100	2.100

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
4	14,233	2,714	16,947

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-23191	58121	-5585	7005	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.48	-4.11	0	0	20,212	-749	20,830	-181
2	0.77	0.24	4	1	22,996	2,629	22,211	2,759
3	-0.80	0.24	0	0	13,157	2,629	14,691	2,759
4	-0.89	0.17	4	4	13,986	2,711	14,233	2,714
5	-0.10	0.72	0	0	16,877	2,990	18,053	3,085
6	-1.42	-0.20	4	4	11,251	2,436	11,693	2,459

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	869	25,036	-2,951	4,904	0.33	3.42
2	RAT	1.04	25,204	0.47	3,676	0.62	1.60
3	MRAT	1.19	25,177	1.42	4,037	0.54	2.13
4	RAF		25,107		4,470	0.44	2.78

Adjust Method AADT	Adjust Method BC	Selected PA Growth Rate %	Selected BC Growth Rate %
Average	Model Ratio	0.500	2.100

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
20132	21528	3676	4904	23808	26432

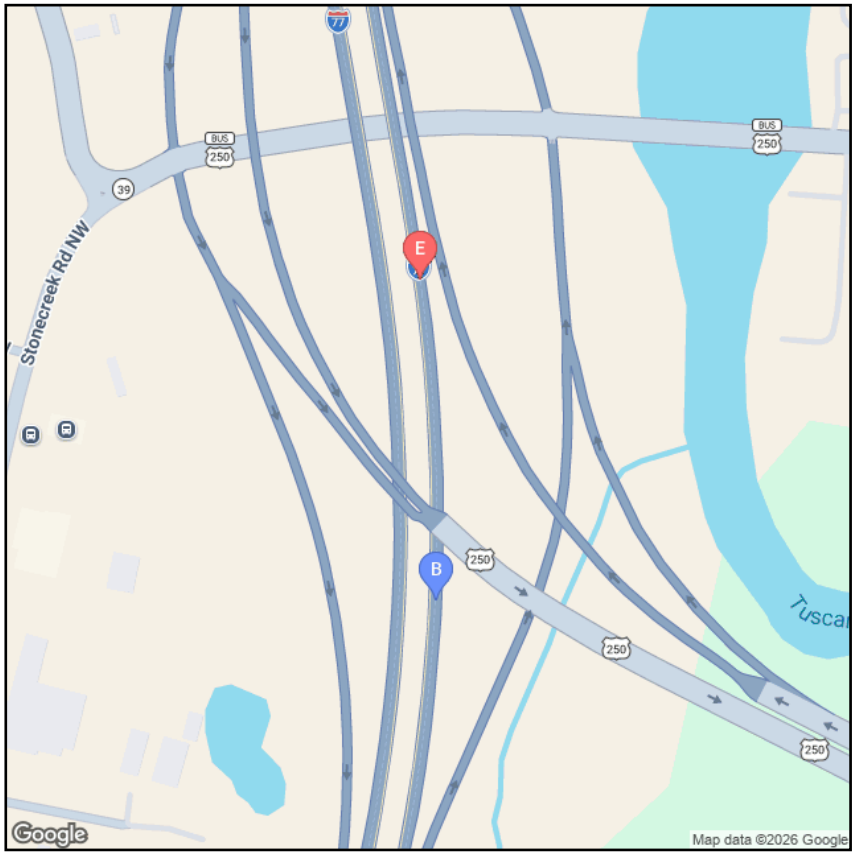
Process Flag: Adjusted model to counts with process per ODOT 255 spreadsheet

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2010	19,000	14,390	4,610
2013	21,987	19,502	2,484
2015	23,296	20,663	2,632
2018	14,199	12,317	1,882
2021	20,758	18,203	2,555
* 2024	21,117	18,521	2,596

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2030 AADT	Yr 2058 AADT	DHV30	K %	D %	T24 %	TD %
2252623	STUSIR00077**C	20.710	20.847	0.137	22,000	26,500	3400	13.0	50.5	17	10