

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
	WAR US 22 19.24	2029	2049

Project Description

Formal safety application for a single lane roundabout

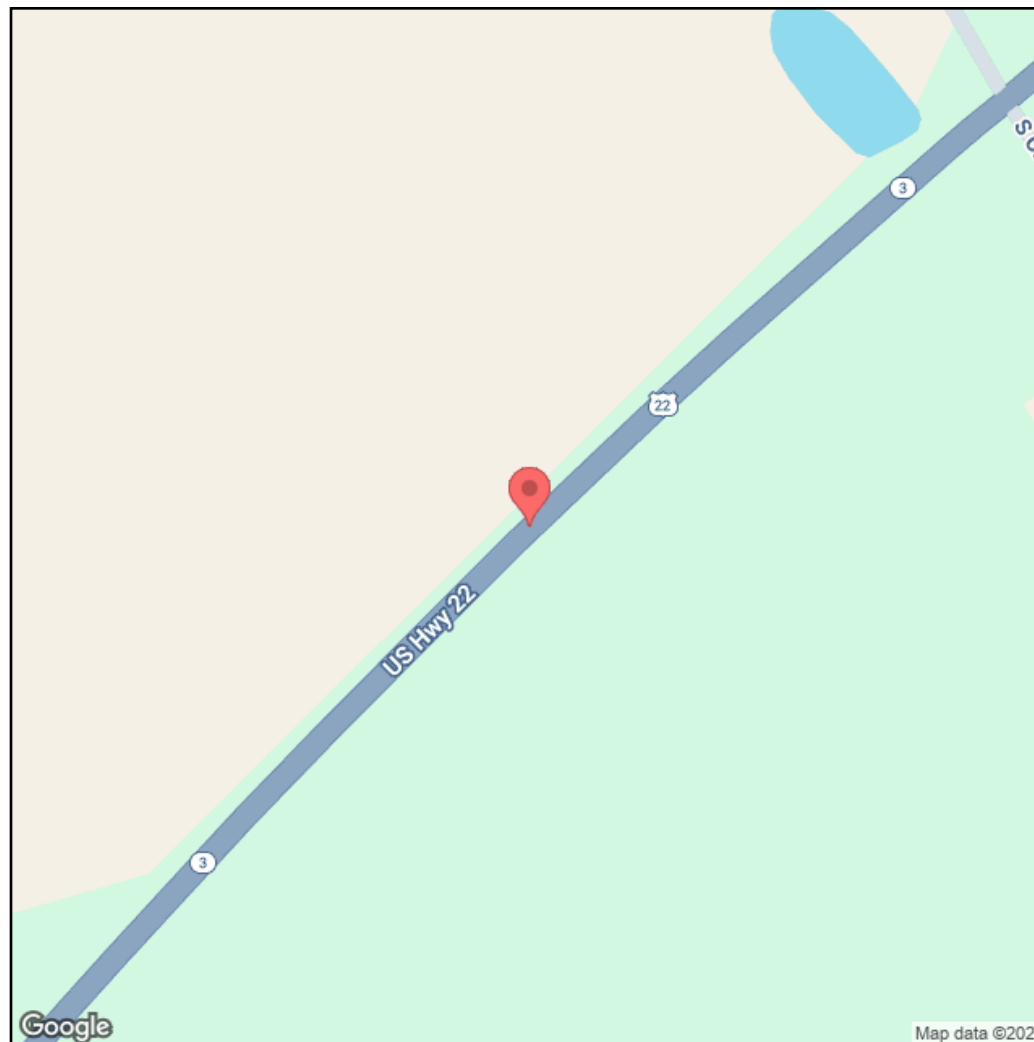
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
1957887	SWARUS00022**C	18.259	19.763	1.504	-84.0018339873675	39.415041380904

Forecast Information

Segment ID	2029 AADT	2049 AADT	DHV-30	K%	D%	T24%	TD%
1957887	2,200	2,400	300	12.0	56.3	9	3



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
1957887	SWARUS00022**C	18.259	19.763

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.0	9	2,200	Average	0.600	0.600
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
2,410	◆ 56.3	3	210	Model	0.500	0.500

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	2,416	309	2,725

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
1573	3203	-16	630	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	0.85	1.62	0	0	2,377	235	2,392	266
2	0.90	2.48	4	5	2,429	296	2,416	309
3	0.71	1.96	0	0	2,294	254	2,319	283
4	0.67	2.90	4	5	2,296	321	2,297	330
5	0.86	2.70	0	0	2,379	294	2,397	320
6	0.61	3.52	4	5	2,263	354	2,266	361

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	133	2,266	46	207	0.22	0.44
2	RAT	1.07	2,275	1.33	214	0.22	0.58
3	MRAT	1.07	2,274	1.15	213	0.22	0.56
4	RAF		2,270		210	0.22	0.50
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.200		0.500	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
2059	2061	207	214	2266	2275

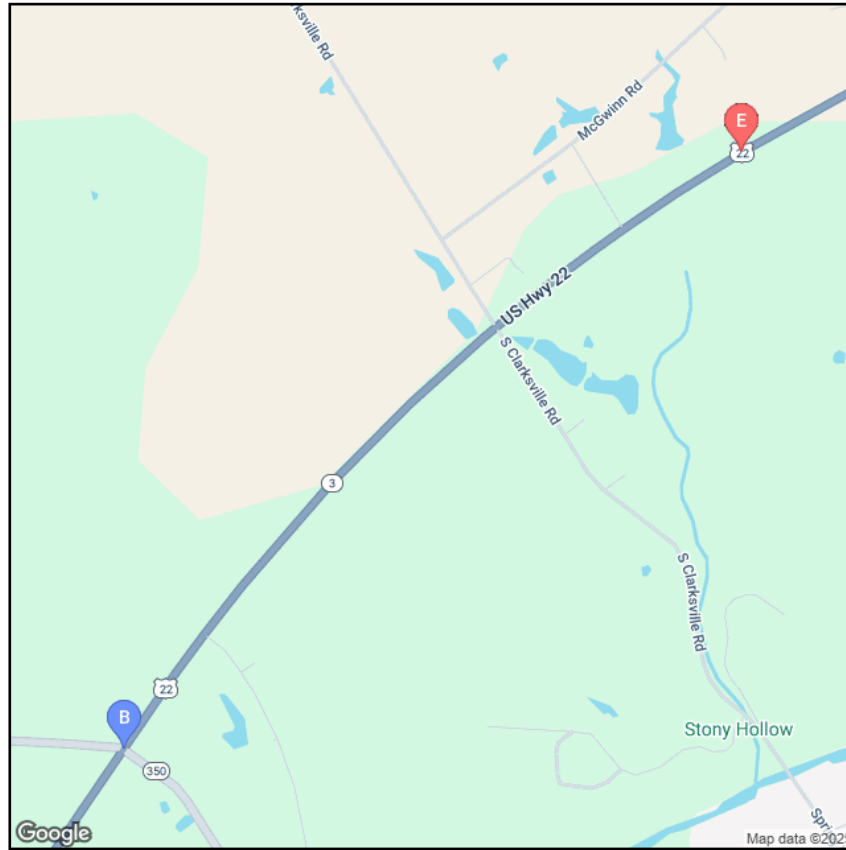
Process Flag: Adjusted model to counts with process per ODOT 255 spreadsheet

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2010	1,810	1,690	120
2013	1,937	1,805	131
2014	1,970	1,836	133
2017	1,845	1,726	118
2020	2,013	1,901	112
* 2023	2,130	1,945	185

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2029 AADT	Yr 2049 AADT	DHV30	K %	D %	T24 %	TD %
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