

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
121088	TUS SR 800 1.92	2030	2050

Project Description

Replace bridge carrying SR 800 over Stillwater Creek.

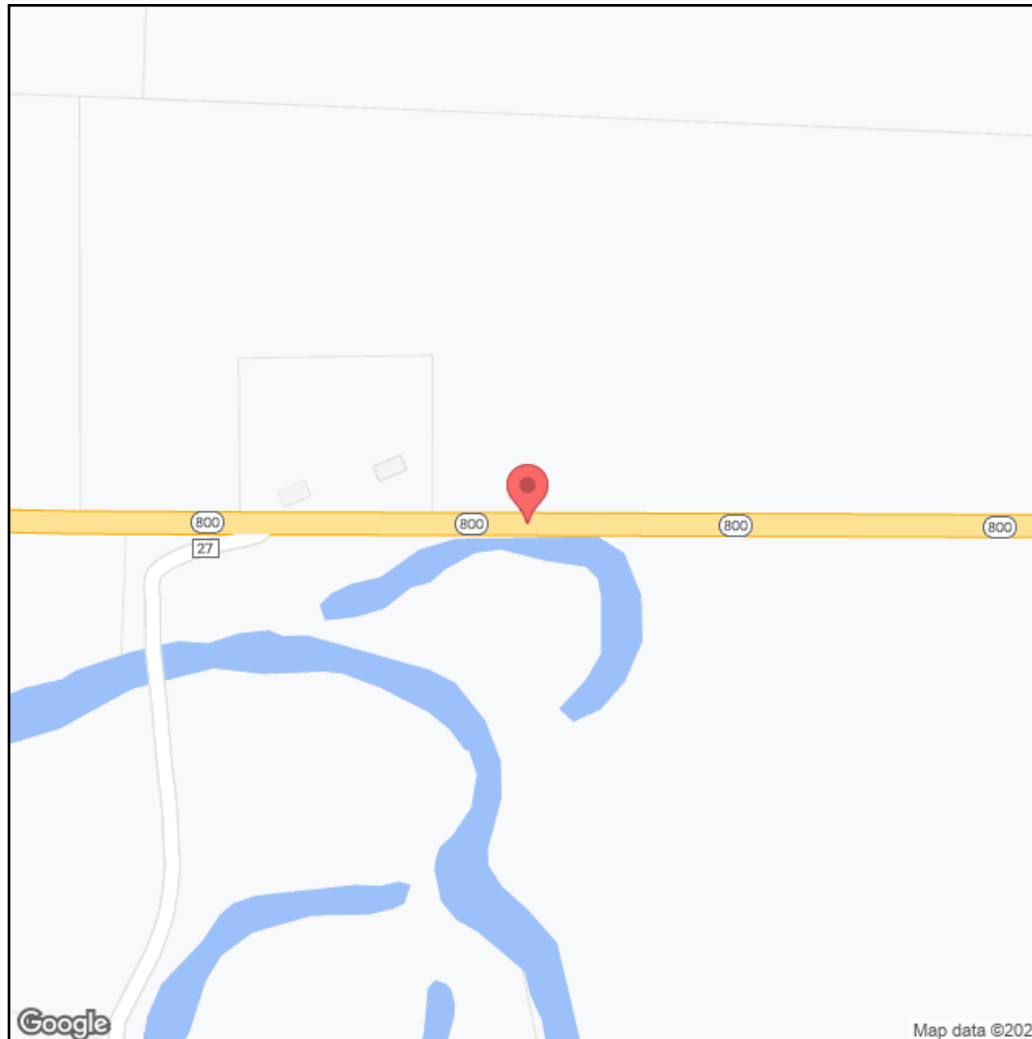
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
1866890	STUSSR00800**C	0.000	2.029	2.029	-81.3013107136141	40.3091814879103

Forecast Information

Segment ID	2030 AADT	2050 AADT	DHV-30	K%	D%	T24%	TD%
1866890	1,300	1,300	150	13.0	54.3	13	6



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
1866890	STUSSR00800**C	0.000	2.029

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 13.0	7	1,200	Model	● -1.200	0.000
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
1,370	◆ 54.3	3	170	Average	3.900	3.900

● 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	823	33	856

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-3063	3549	-499	366	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-1.03	-2.13	0	0	1,041	61	823	33
2	-0.46	-1.00	3	3	1,160	78	1,008	59
3	-1.94	-7.62	0	0	707	-83	530	-93
4	0.19	-4.31	3	3	1,396	-7	1,219	-17
5	-7.72	-17.12	0	0	-1,369	-325	-1,345	-311
6	-8.57	-16.11	4	5	-1,614	-292	-1,619	-288

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	-2,068	840	-90	366	-2.11	12.37
2	RAT	0.37	1,089	0.48	217	-0.88	5.88
3	MRAT	0.88	1,089	2.65	310	-1.17	9.93
4	RAF		964		338	-1.64	11.15

Adjust Method AADT	Adjust Method BC	Selected PA Growth Rate %	Selected BC Growth Rate %
Ratio	Model Ratio	-1.200	9.900

Method 1 - 4 Volume

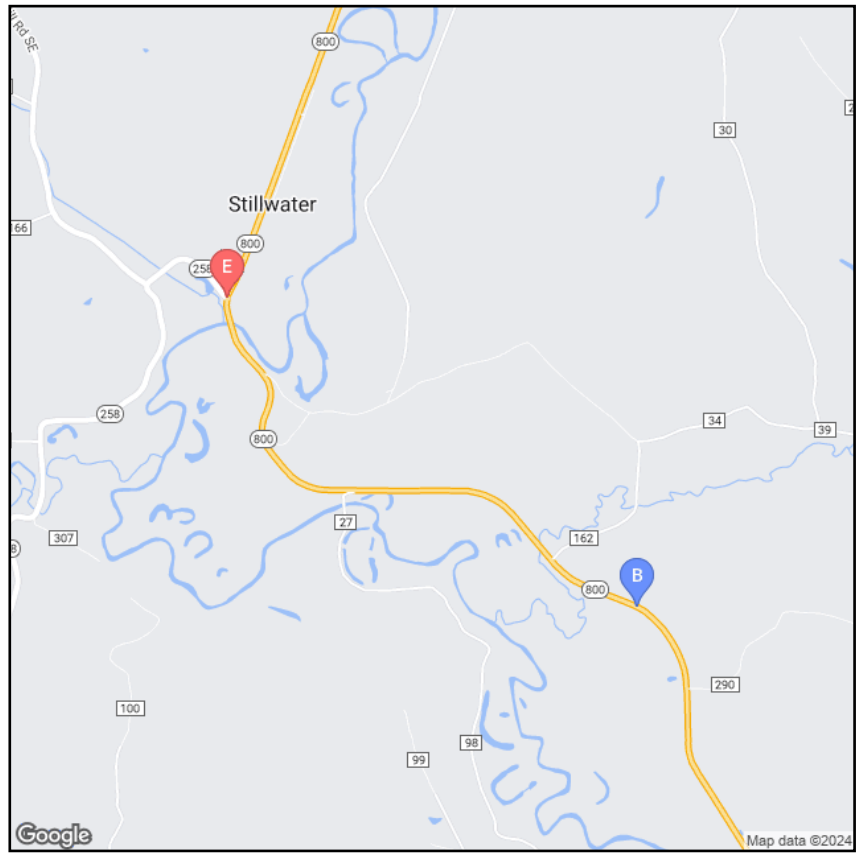
PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
474	872	217	366	691	1238

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

Historical Count

Year	All	Cars	Trucks
2007	1,540	1,450	90
2010	1,320	1,200	120
2013	2,257	2,052	205
2016	1,609	1,463	146
2019	1,560	1,467	93
* 2022	1,239	1,157	82

* Pivot Point



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1866890	STUSSR00800**C	0.000	2.029	2.029	1,300	1,300	150	13.0	54.3	13	6