

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
		2029	2049

Project Description

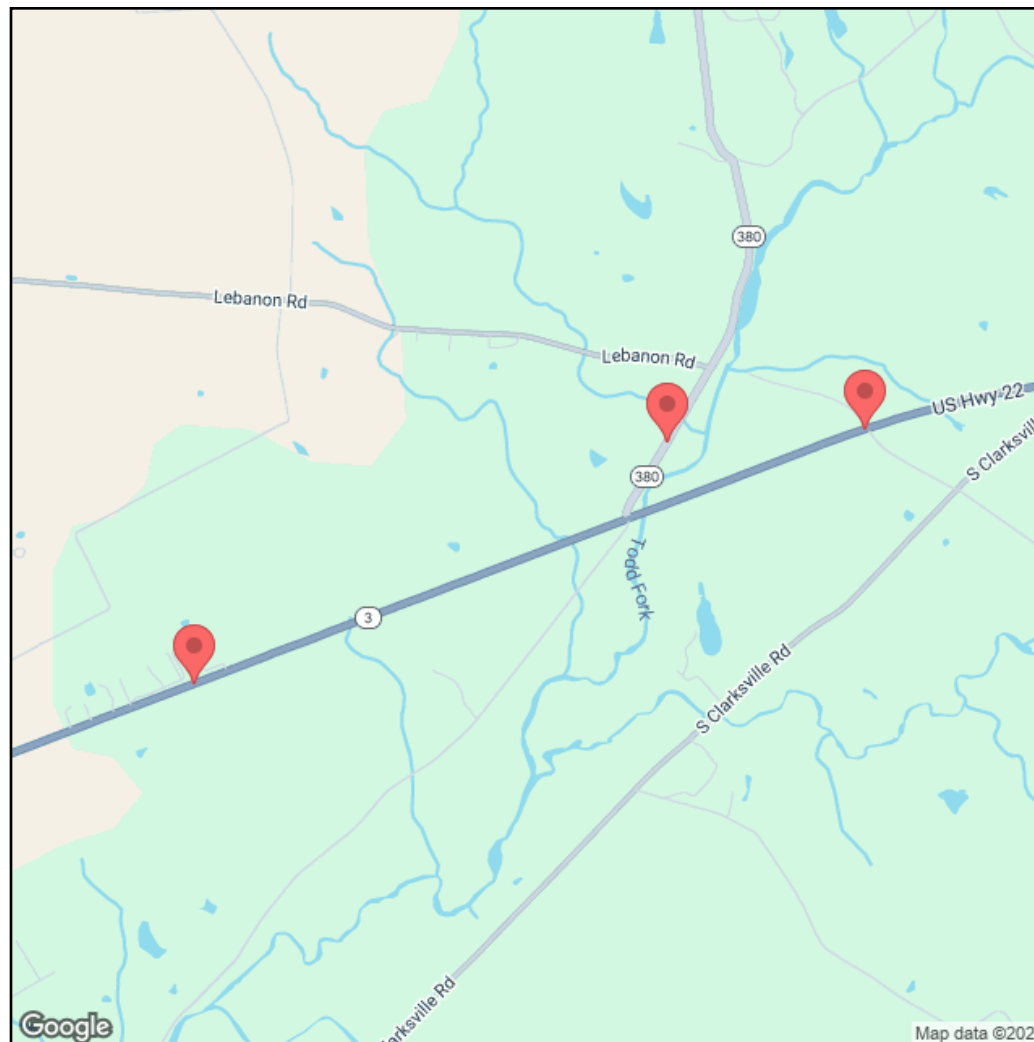
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
1916833	SCLISR00380**C	0.000	0.489	0.489	-83.9431270974568	39.4388298716519
1916893	SCLIUS00022**C	0.000	2.623	2.623	-83.9681251971917	39.4289952506713
1916895	SCLIUS00022**C	2.623	4.065	1.442	-83.9325861718646	39.439402154298

Forecast Information

Segment ID	2029 AADT	2049 AADT	DHV-30	K%	D%	T24%	TD%
1916833	2,400	2,600	450	16.5	64.4	9	10
1916893	3,000	3,100	450	14.1	60.1	6	6
1916895	5,000	5,100	700	14.0	54.1	5	5



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
1916833	SCLISR00380**C	0.000	0.489

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 16.5	8	2,400	Average	0.300	0.300
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
2,620	◆ 64.4	9	220	Model	0.800	0.800

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	2,332	61	2,393

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
881	2662	-264	959	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-0.80	1.51	0	0	1,633	182	1,735	256
2	0.20	-2.46	1	6	2,324	-78	2,332	61
3	0.20	5.58	0	0	2,324	413	2,332	456
4	0.20	1.00	4	6	2,330	111	2,328	231
5	0.12	7.39	0	0	2,271	511	2,284	545
6	0.02	8.53	4	5	2,218	591	2,224	601

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	265	2,614	106	222	0.31	0.81
2	RAT	1.12	2,642	2.38	278	0.26	1.95
3	MRAT	1.10	2,639	1.53	259	0.28	1.57
4	RAF		2,627		241	0.29	1.20
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		0.300		0.800	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
2364	2404	222	278	2586	2682

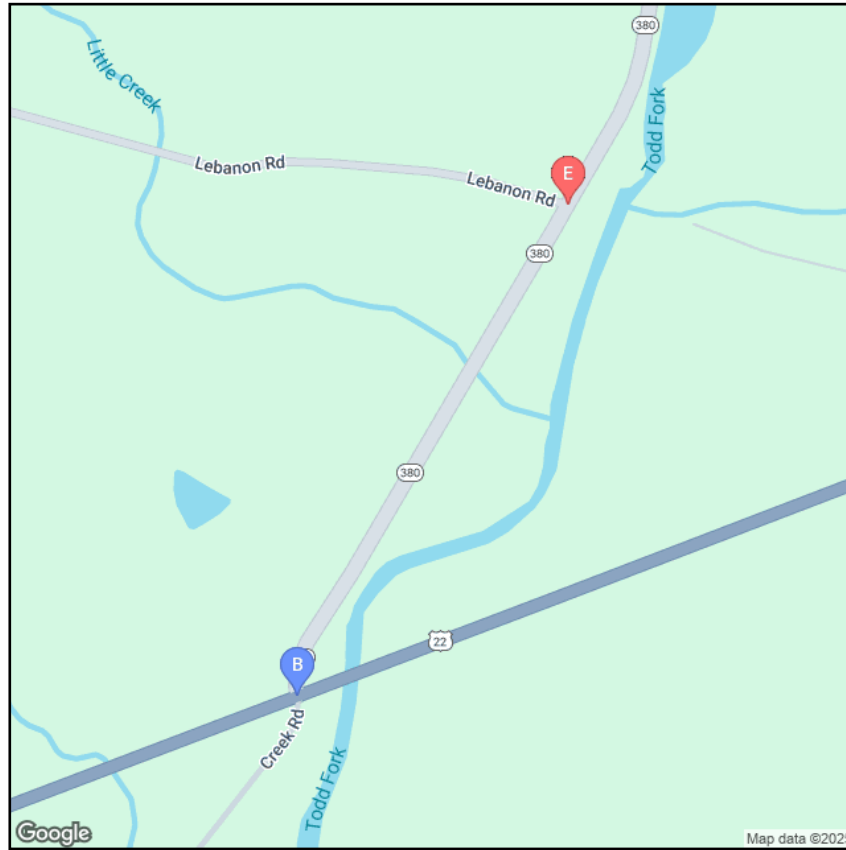
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Historical Count

Year	All	Cars	Trucks
2007	2,680	2,560	120
2012	2,190	2,140	50
2014	2,254	2,202	52
2017	2,185	2,134	51
2020	2,258	2,193	65
* 2023	2,392	2,210	182

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2029 AADT	Yr 2049 AADT	DHV30	K %	D %	T24 %	TD %
1916833	SCLISR00380**C	0.000	0.489	0.489	2,400	2,600	450	16.5	64.4	9	10

Forecast Segment ID	Route	BMP	EMP
1916893	SCLIUS00022**C	0.000	2.623

Forecast						
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 14.1	6	2,900	Model	0.200	0.200
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
3,090	◆ 60.1	6	190	Model	0.500	0.500

◆ K/D factors from TCDS were used.

Regression			
Method Number	PA AADT	BC AADT	AADT
2	3,118	219	3,337

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-657	5063	-353	625	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	0.06	-0.02	0	0	2,659	135	2,801	168
2	0.49	1.10	5	5	3,137	212	3,118	219
3	-0.73	-1.29	0	0	1,982	68	2,216	110
4	-0.21	0.13	5	5	2,529	160	2,600	175
5	-0.59	-0.39	0	0	2,091	113	2,315	151
6	-0.11	0.92	5	5	2,611	200	2,675	211

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	653	3,106	30	191	0.21	0.48
2	RAT	1.29	3,158	1.21	195	0.28	0.57
3	MRAT	1.08	3,154	1.15	195	0.27	0.57
4	RAF		3,130		193	0.24	0.53
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
2915	2963	191	195	3106	3158

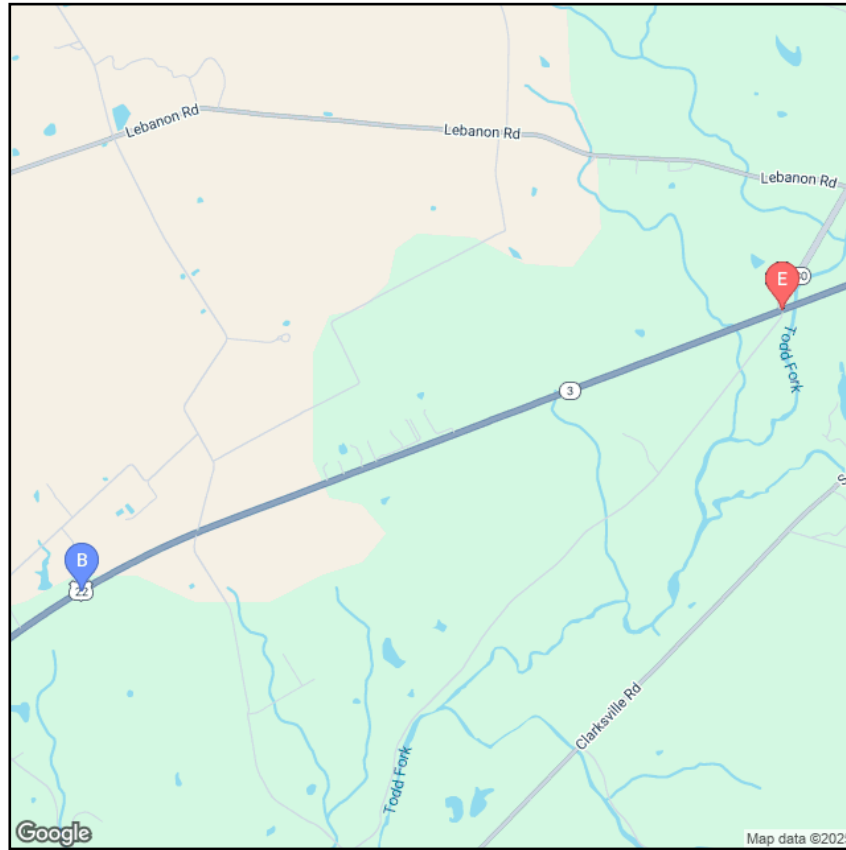
Process Flag: Adjusted model to counts with process per ODOT 255 spreadsheet

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Historical Count

Year	All	Cars	Trucks
2007	2,540	2,420	120
2012	2,928	2,767	161
2014	3,013	2,847	166
2017	2,635	2,518	115
2020	2,387	2,301	86
* 2023	2,925	2,756	169

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2029 AADT	Yr 2049 AADT	DHV30	K %	D %	T24 %	TD %
1916893	SCLIUS00022**C	0.000	2.623	2.623	3,000	3,100	450	14.1	60.1	6	6

Forecast Segment ID	Route	BMP	EMP
1916895	SCLIUS00022**C	2.623	4.065

Forecast							
Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %	
2050	◆ 14.0	5	4,800	Model	0.000	0.000	
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %	
5,070	◆ 54.1	5	270	Model	0.200	0.200	

◆ K/D factors from TCDS were used.

Regression								
Method Number		PA AADT			BC AADT		AADT	
2		4,876			575		5,451	
95% Confidence Min/Max								
PA Min		PA Max		BC Min		BC Max		Year
-2790		14154		-672		1933		2050
Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-0.49	2.88	0	0	3,769	414	4,133	466
2	0.08	4.42	4	4	4,826	569	4,876	575
3	-0.49	3.63	0	0	3,772	472	4,136	519
4	0.05	5.07	4	4	4,779	619	4,833	621
5	0.80	5.47	0	0	5,562	612	5,802	649
6	-999999.00	-999999.00	0	0				

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	3,745	5,088	149	275	0.03	0.18
2	RAT	3.91	5,255	2.31	291	0.15	0.41
3	MRAT	1.04	5,248	1.11	289	0.15	0.38
4	RAF		5,168		282	0.09	0.28
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Difference		Difference		0.000		0.200	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
4813	4964	275	291	5088	5255

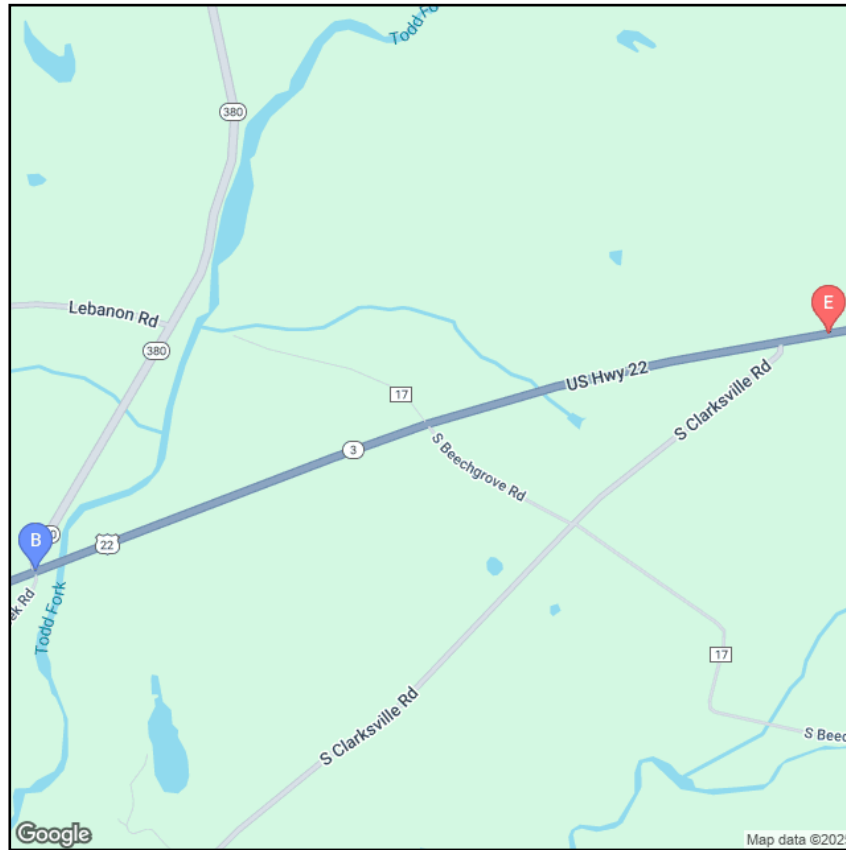
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Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2012	4,803	4,663	140
2014	4,944	4,800	144
2017	4,717	4,538	176
2020	4,040	3,932	108
* 2023	5,030	4,768	262

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2029 AADT	Yr 2049 AADT	DHV30	K %	D %	T24 %	TD %
1916895	SCLIUS00022**C	2.623	4.065	1.442	5,000	5,100	700	14.0	54.1	5	5