

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
121365	COL SR 170 18.95	2031	2051

Project Description

Rehabilitate bridge carrying SR 170 over North Fork Little Beaver Creek. In-stream work required.

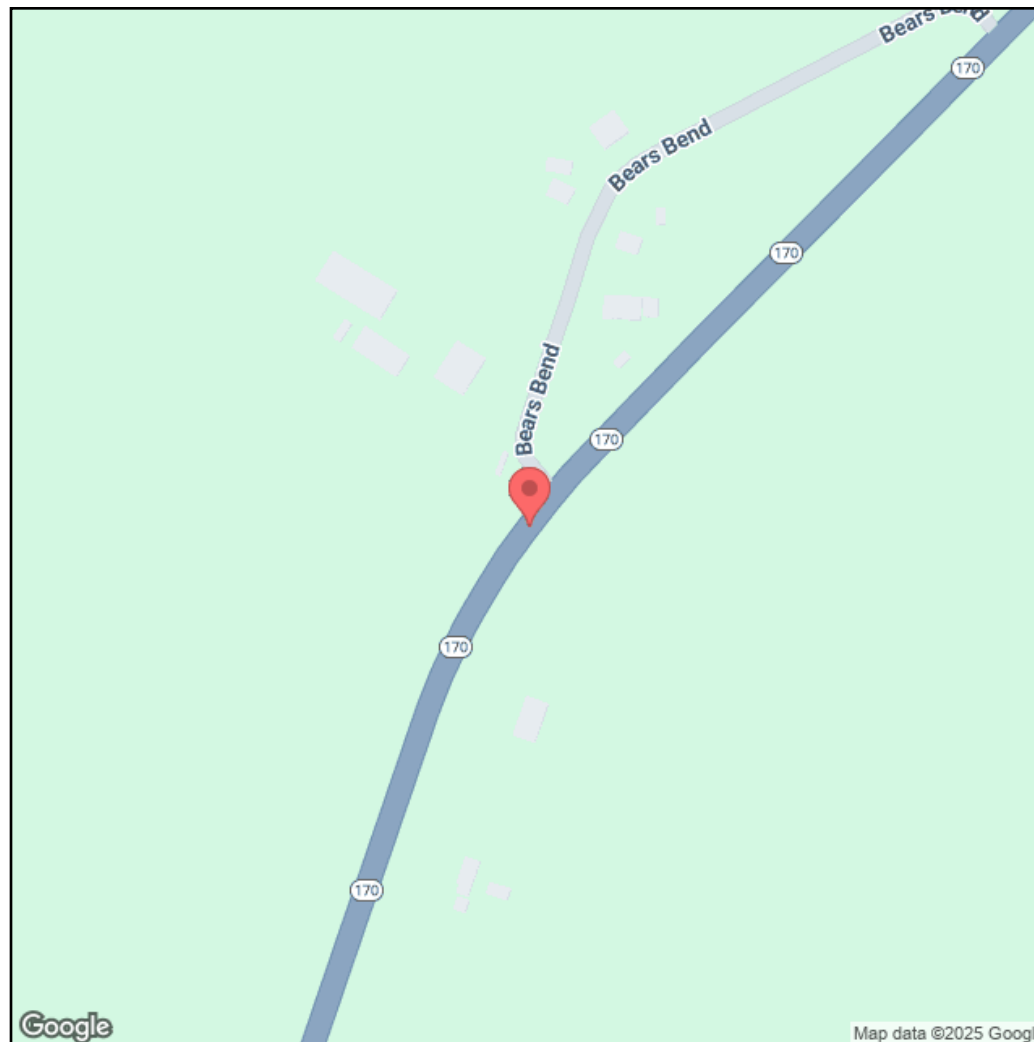
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
1917535	SCOLSR00170**C	17.530	20.131	2.601	-80.5491631173572	40.882425066062

Forecast Information

Segment ID	2031 AADT	2051 AADT	DHV-30	K%	D%	T24%	TD%
1917535	2,700	2,800	350	11.7	53.4	23	22



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
1917535	SCOLSR00170**C	17.530	20.131

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 11.7	22	2,100	Model	● 0.000	0.000
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
2,730	◆ 53.4	21	630	Model	0.200	0.200

● 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	2,017	1,384	3,401

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-1454	4230	-186	2792	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-0.81	5.26	0	0	1,566	1,480	1,663	1,437
2	-0.20	4.93	5	4	2,081	1,373	2,017	1,384
3	-0.80	5.26	0	0	1,574	1,480	1,670	1,437
4	-0.06	5.51	5	4	2,177	1,477	2,099	1,477
5	-1.19	4.33	0	0	1,330	1,318	1,446	1,288
6	-0.52	5.81	5	4	1,891	1,529	1,835	1,526

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	-1,142	2,760	550	628	0.00	0.21
2	RAT	0.70	2,750	13.56	1,058	-0.76	2.89
3	MRAT	1.01	2,750	1.78	869	-0.44	1.71
4	RAF		2,755		749	-0.22	0.97
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		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
1692	2132	628	1058	2320	3190

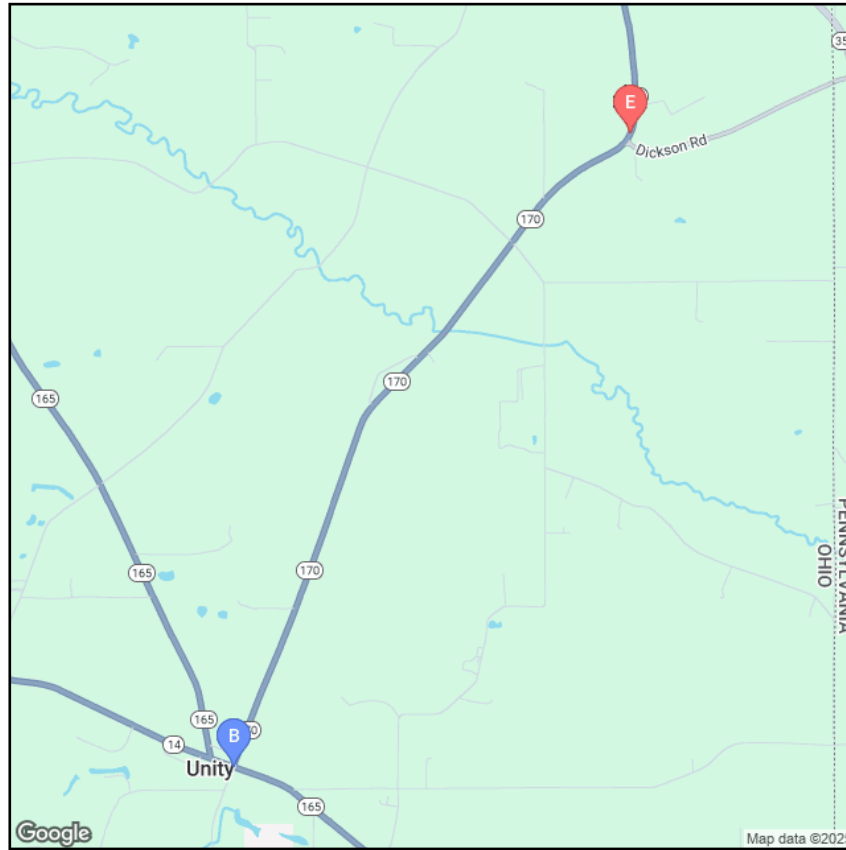
Process Flag: Adjusted model to counts with process per ODOT 255 spreadsheet

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2009	2,480	2,280	200
2013	2,420	2,139	280
2014	2,461	2,175	285
2017	3,078	2,422	654
2020	2,289	1,790	499
* 2023	2,726	2,132	594

* Pivot Point



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