

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
115053	COL SR 518 0.95	2031	2051

Project Description

Replace bridge carrying SR 518 over Willard Run.

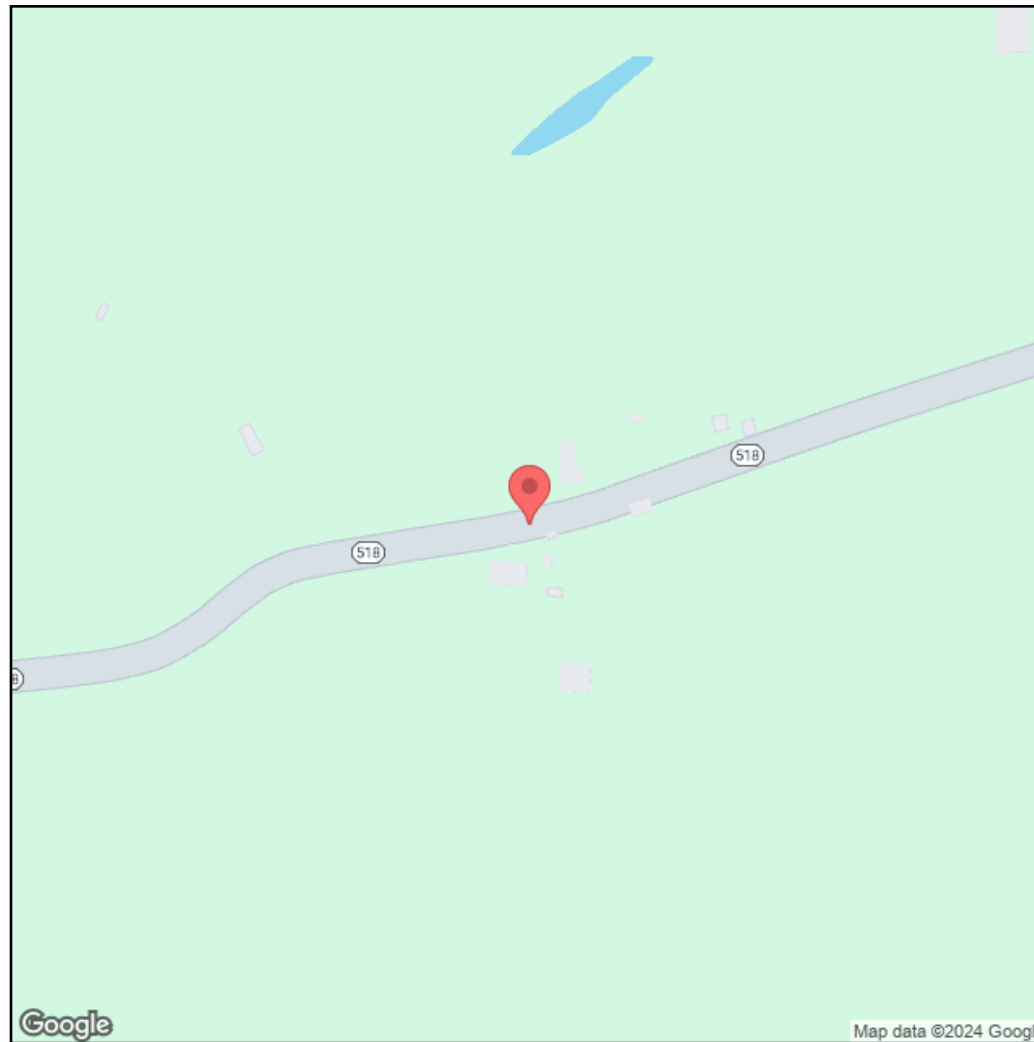
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
1917639	SCOLSR00518**C	0.666	2.447	1.781	-80.8562206618955	40.7036439764802

Forecast Information

Segment ID	2031 AADT	2051 AADT	DHV-30	K%	D%	T24%	TD%
1917639	500	550	70	13.5	71.2	22	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
1917639	SCOLSR00518**C	0.666	2.447

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 13.5	22	410	Model	0.200	0.200
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
530	◆ 71.2	6	120	Model	0.500	0.500

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	406	63	469

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-949	665	-448	474	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	-2.84	-1.89	0	0	186	28	90	52
2	0.19	-1.50	6	4	617	50	406	63
3	-4.25	-4.02	0	0	17	-43	-57	-9
4	-5.50	-4.33	5	4	-166	-42	-187	-18
5	-5.38	-2.24	0	0	-112	13	-175	42
6	-6.48	-4.02	5	4	-276	-32	-289	-9

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	-1,584	622	14	120	1.11	0.49
2	RAT	0.24	523	1.16	122	0.14	0.56
3	MRAT	1.06	529	1.15	121	0.21	0.52
4	RAF		576		120	0.67	0.49
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Model Ratio		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
401	502	120	122	521	624

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

Historical Count

Year	All	Cars	Trucks
2009	680	590	90
2013	720	588	131
2014	732	598	133
2017	640	588	51
2020	661	600	61
* 2023	492	386	106

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2031 AADT	Yr 2051 AADT	DHV30	K %	D %	T24 %	TD %
1917639	SCOLSR00518**C	0.666	2.447	1.781	500	550	70	13.5	71.2	22	6