

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
120693	VAN SR 118 5.15	2028	2048

Project Description

Construct a roundabout at the intersection of SR 118 and Wren-Landeck Road.

*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
1867631	SVANSR00118**C	3.350	6.165	2.815	-84.6152674365185	40.795001145061

Forecast Information

Segment ID	2028 AADT	2048 AADT	DHV-30	K%	D%	T24%	TD%
1867631	3,000	3,600	450	12.1	53.1	14	12



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
1867631	SVANSR00118**C	3.350	6.165

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.1	10	3,100	Model	0.700	0.700
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
3,620	◆ 53.1	8	520	Average	3.200	3.200

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	2,933	580	3,513

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-1671	6162	130	1775	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	0.65	5.58	0	0	3,244	721	3,073	707
2	0.46	3.93	4	5	2,956	540	2,933	580
3	0.24	8.31	0	0	2,905	960	2,774	918
4	0.39	6.55	4	5	2,901	771	2,884	782
5	-0.54	8.84	0	0	2,286	1,005	2,205	959
6	0.32	7.25	4	5	2,846	830	2,832	836

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	-1,505	3,674	4	462	0.84	2.41
2	RAT	0.66	3,399	1.01	464	0.46	2.43
3	MRAT	1.18	3,442	1.68	463	0.52	2.42
4	RAF		3,558		462	0.68	2.41

Adjust Method AADT	Adjust Method BC	Selected PA Growth Rate %	Selected BC Growth Rate %
Average	Average	0.700	2.400

Method 1 - 4 Volume

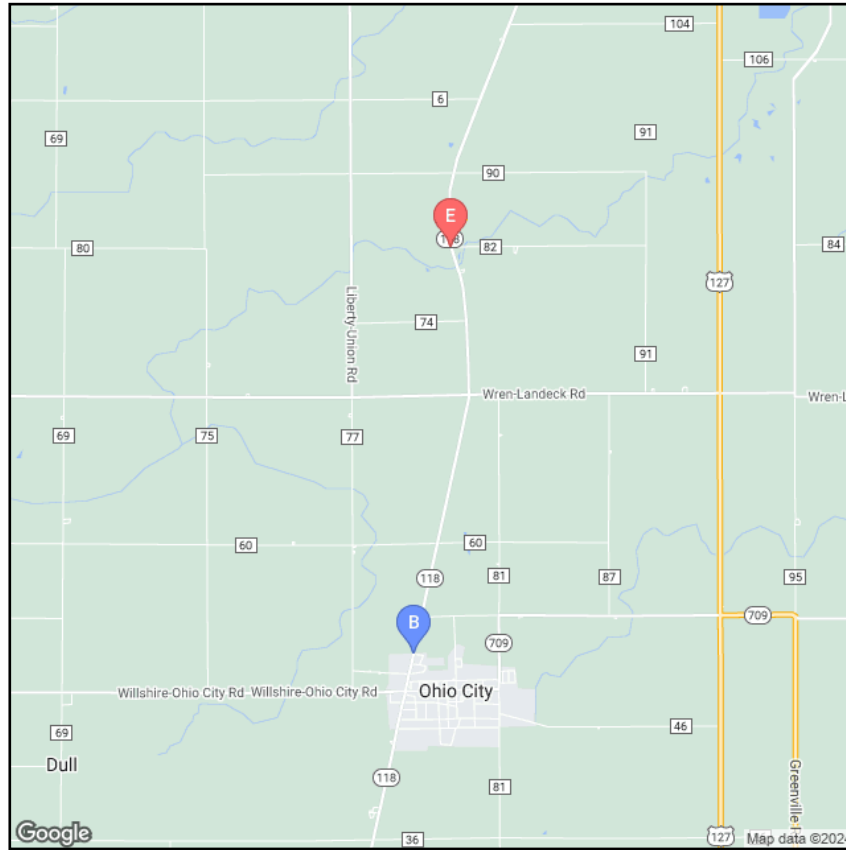
PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
2935	3212	462	464	3397	3676

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

Historical Count

Year	All	Cars	Trucks
2009	2,610	2,450	160
2012	2,602	2,501	101
2013	2,633	2,531	102
2016	3,365	3,235	130
2019	2,949	2,609	340
* 2022	2,875	2,599	276

* Pivot Point



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