

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
122787	ALL-117-9.71	2029	2049

Project Description

Construct a single-lane roundabout at SR 117 and Kemp Road.

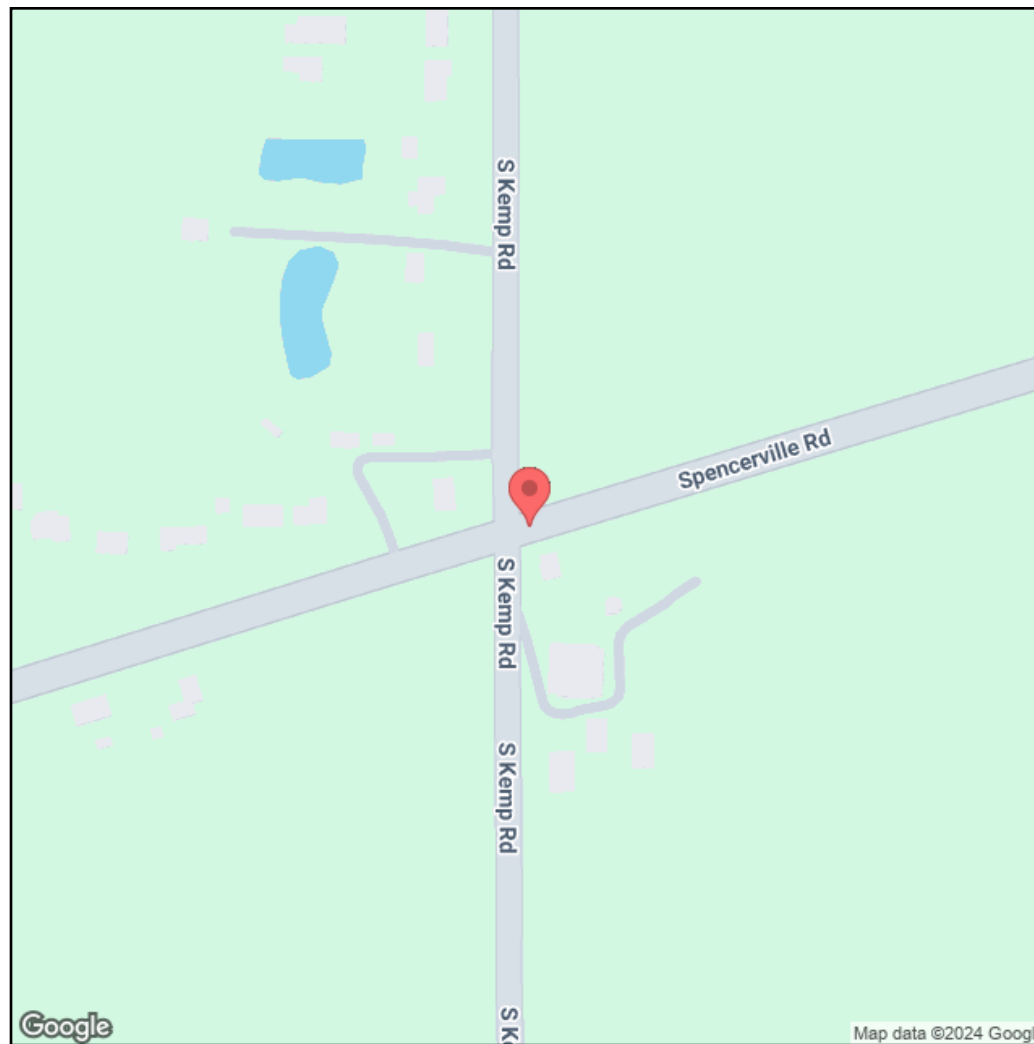
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
1909851	SALLSR00117**C	8.677	10.764	2.087	-84.2229329252902	40.7146624096301

Forecast Information

Segment ID	2029 AADT	2049 AADT	DHV-30	K%	D%	T24%	TD%
1909851	4,700	5,000	600	11.9	55.8	5	2



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
1909851	SALLSR00117**C	8.677	10.764

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 11.9	4	4,800	Model	0.300	0.300
AAADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
5,030	◆ 55.8	2	230	Model	0.900	0.900

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AAADT
2	6,169	110	6,279

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
2706	8066	-570	743	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	0.97	-1.93	0	0	5,714	49	5,633	89
2	1.42	-1.51	2	4	6,283	89	6,169	110
3	0.23	-4.00	0	0	4,692	-71	4,743	-15
4	-0.19	-4.00	3	4	4,182	-52	4,233	-15
5	1.08	-1.29	0	0	5,822	80	5,760	121
6	1.38	-2.83	4	4	6,141	12	6,119	44

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	198	4,987	78	221	0.25	0.70
2	RAT	1.04	5,002	1.72	247	0.24	1.21
3	MRAT	1.08	5,001	1.33	240	0.25	1.08
4	RAF		4,994		231	0.25	0.90

Adjust Method AADT	Adjust Method BC	Selected PA Growth Rate %	Selected BC Growth Rate %
Average	Average	0.300	0.900

Method 1 - 4 Volume

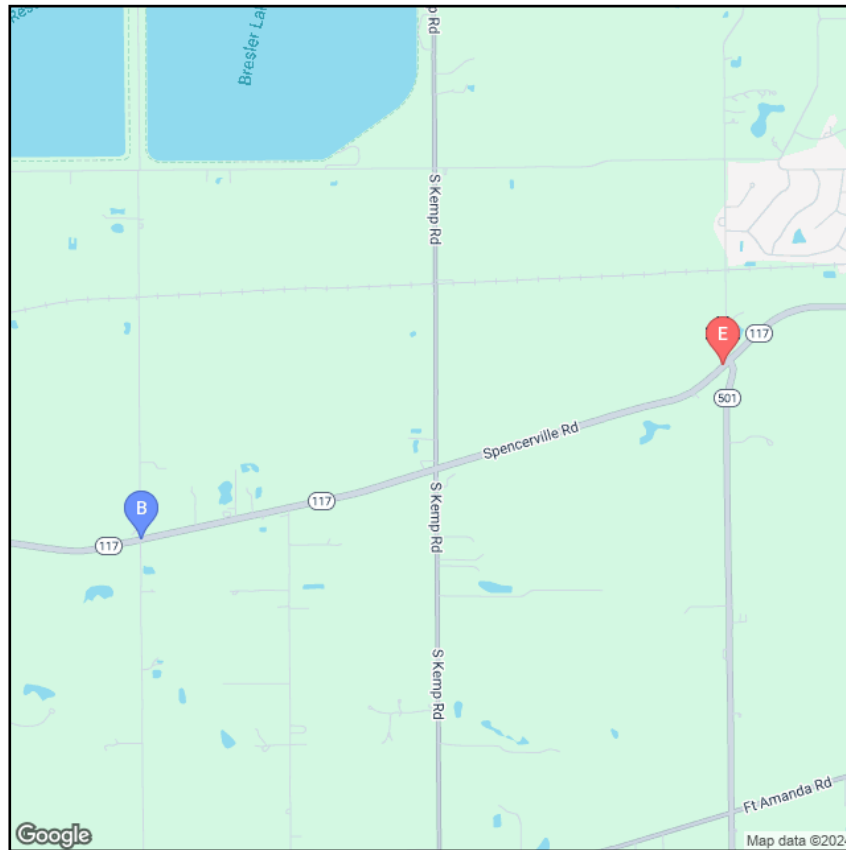
PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
4755	4766	221	247	4976	5013

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

Historical Count

Year	All	Cars	Trucks
2008	3,720	3,560	160
2011	4,760	4,510	250
2014	4,136	3,919	217
2017	4,613	4,513	100
2020	4,452	4,331	121
* 2023	4,647	4,461	186

* Pivot Point



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1909851	SALLSR00117**C	8.677	10.764	2.087	4,700	5,000	600	11.9	55.8	5	2