

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
120666	VAN US 30 11.34	2028	2048

Project Description

Construct an RCUT at the John Brown Road intersection with US 30.

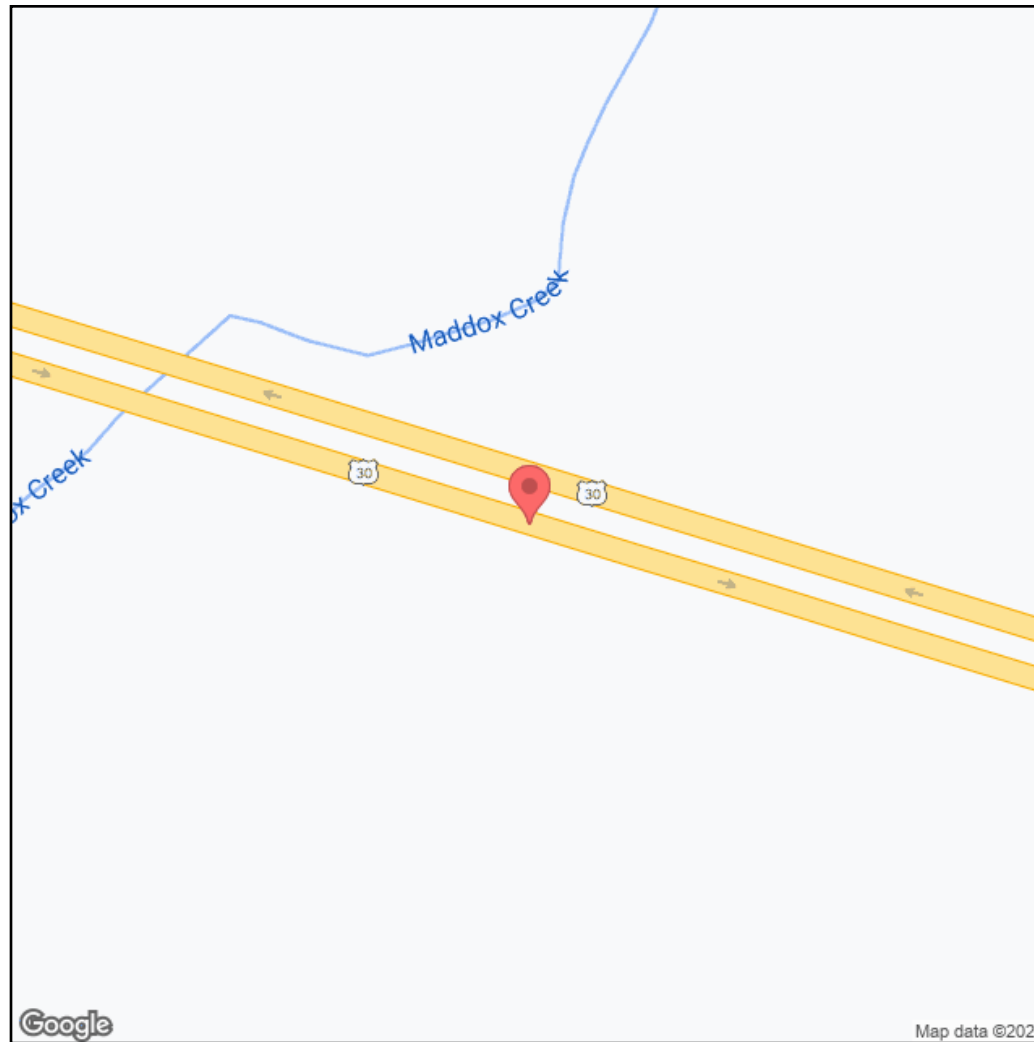
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
1867685	SVANUS00030**C	10.979	12.960	1.981	-84.6013723730098	40.8885739500007

Forecast Information

Segment ID	2028 AADT	2048 AADT	DHV-30	K%	D%	T24%	TD%
1867685	16,500	22,500	2,000	9.0	51.6	36	30



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
1867685	SVANUS00030**C	10.979	12.960

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	9.0	36	15,000	Average	1.700	1.700
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
23,300	51.6	31	8,300	Model	2.500	2.500

Regression

Method Number	PA AADT	BC AADT	AADT
2	16,799	7,882	24,681

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
12339	20730	897	14350	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	PA Adjustment
1	2.50	0.54	0	0	17,203	5,823	16,908	5,587
2	2.46	2.22	4	1	16,979	8,423	16,799	7,882
3	2.38	2.22	0	0	16,833	8,423	16,581	7,882
4	2.41	1.46	4	5	16,830	6,983	16,665	6,846
5	2.34	1.93	0	0	16,692	7,984	16,452	7,478
6	2.53	1.26	4	5	17,166	6,682	16,982	6,567

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	3,880	20,407	998	8,068	0.86	2.36
2	RAT	1.36	22,397	1.26	8,898	1.28	2.97
3	MRAT	1.51	21,722	1.83	8,521	1.17	2.69
4	RAF		21,064		8,294	1.01	2.53

Adjust Method AADT	Adjust Method BC	Selected PA Growth Rate %	Selected BC Growth Rate %
Average	Average	1.000	2.500

Method 1 - 4 Volume

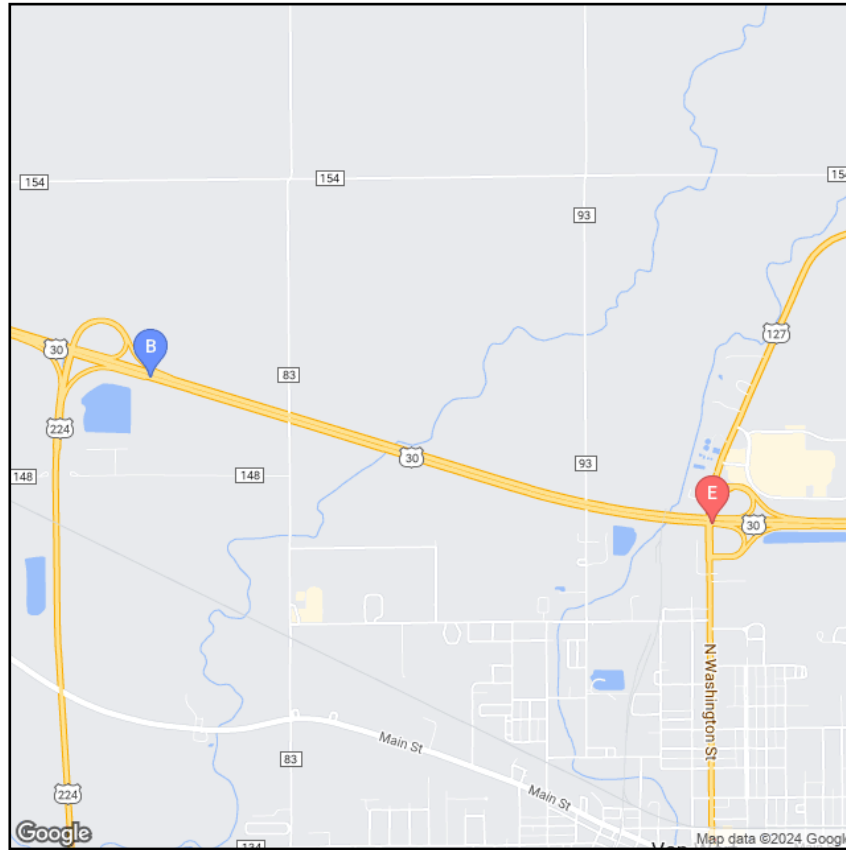
PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
12339	13499	8068	8898	20407	22397

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

Historical Count

Year	All	Cars	Trucks
2009	12,420	6,900	5,520
2012	11,990	7,790	4,200
2013	11,968	7,776	4,192
2016	14,142	9,190	4,952
2019	15,417	9,651	5,766
* 2022	14,803	9,946	4,857

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2028 AADT	Yr 2048 AADT	DHV30	K %	D %	T24 %	TD %
1867685	SVANUS00030**C	10.979	12.960	1.981	16,500	22,500	2000	9.0	51.6	36	30