

TFMS - Segment Forecast Report

Username	Email	Script Import Date	Script Version	Model Version
Jhenshaw	james.henshaw@dot.ohio.gov	5/15/2025 10:30:27 AM	Initial	2025.1900

Forecast Summary

Project ID	Project Name	Opening Year	Design Year
118855	HIG-62-0.00	2026	2038

Project Description

Resurfacing (1.25" Mill & Fill) on US Route 62 in Highland County from the Brown County line to Muhlbach Rd.

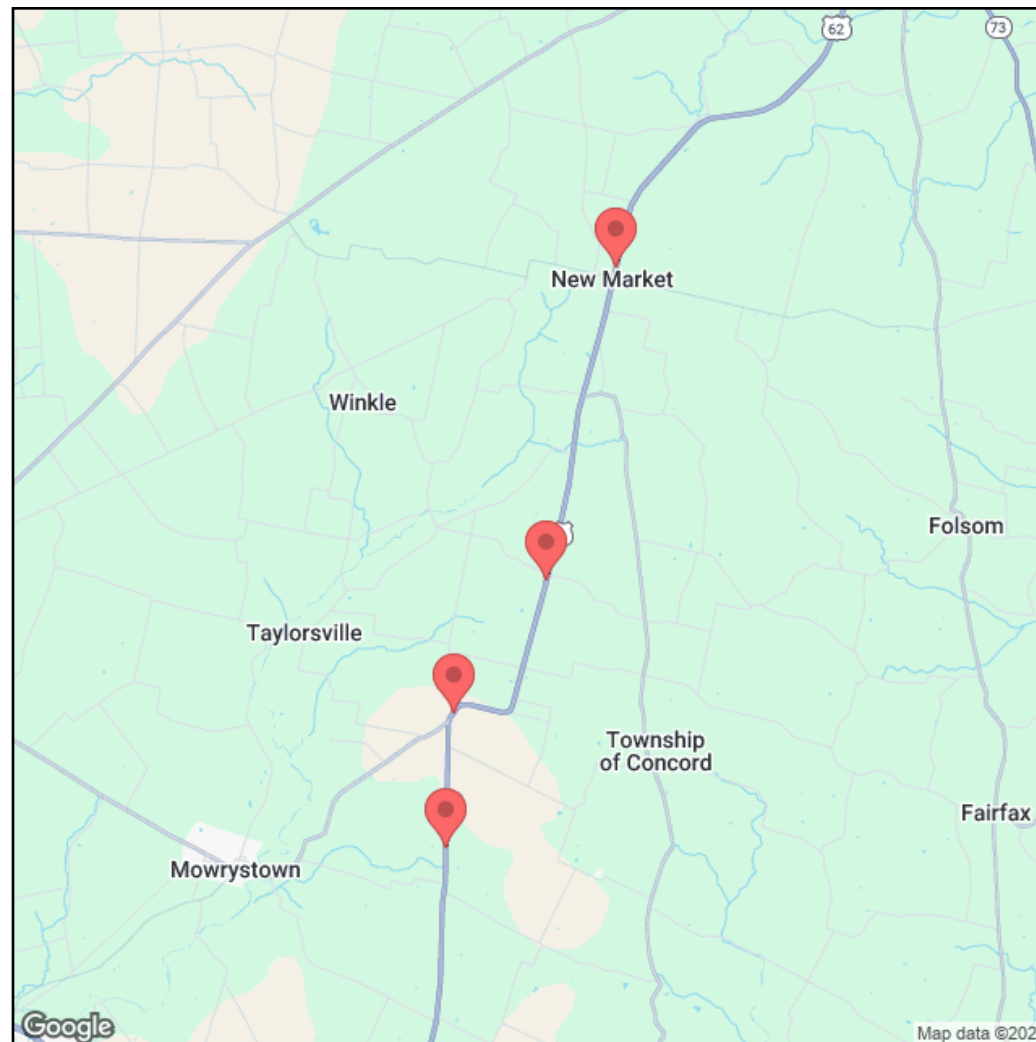
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
2276647	SHIGUS00062**C	0.000	2.873	2.873	-83.7040995917632	39.0419327389116
2276651	SHIGUS00062**C	2.873	3.071	0.198	-83.7025980492142	39.0639795780023
2276652	SHIGUS00062**C	3.071	7.360	4.289	-83.6827916264085	39.0857979891207
2276654	SHIGUS00062**C	7.360	10.355	2.995	-83.6680278763213	39.1372512990182

Forecast Information

Segment ID	2026 AADT	2038 AADT	DHV-30	K%	D%	T24%	TD%
2276647	2,700	2,900	350	12.0	52.5	19	21
2276651	3,300	3,600	400	11.7	56.1	13	11
2276652	3,300	3,600	400	11.7	56.1	13	11
2276654	4,900	5,000	600	12.2	51.1	11	11



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
2276647	SHIGUS00062**C	0.000	2.873

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.0	21	2,500	Model	0.700	0.700
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
3,060	◆ 52.5	22	560	Average	● -1.500	0.000

● Warning: The growth rate was negative and was capped.

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
4	2,831	2	2,833

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
-4428	11554	-535	1469	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-0.23	0.31	0	0	2,081	651	2,011	608
2	-1.27	1.71	4	2	1,235	855	1,432	812
3	2.29	-3.16	0	0	3,641	85	3,409	100
4	1.25	-3.83	4	3	2,796	-2	2,831	2
5	2.36	-0.33	0	0	3,680	530	3,446	514
6	-999999.00	-999999.00	0	0				

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	77	3,191	-300	704	0.63	0.97
2	RAT	1.03	3,206	0.65	655	0.75	0.64
3	MRAT	1.19	3,203	1.16	662	0.73	0.68
4	RAF		3,197		683	0.68	0.83
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.700		0.800	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
2487	2551	655	704	3142	3255

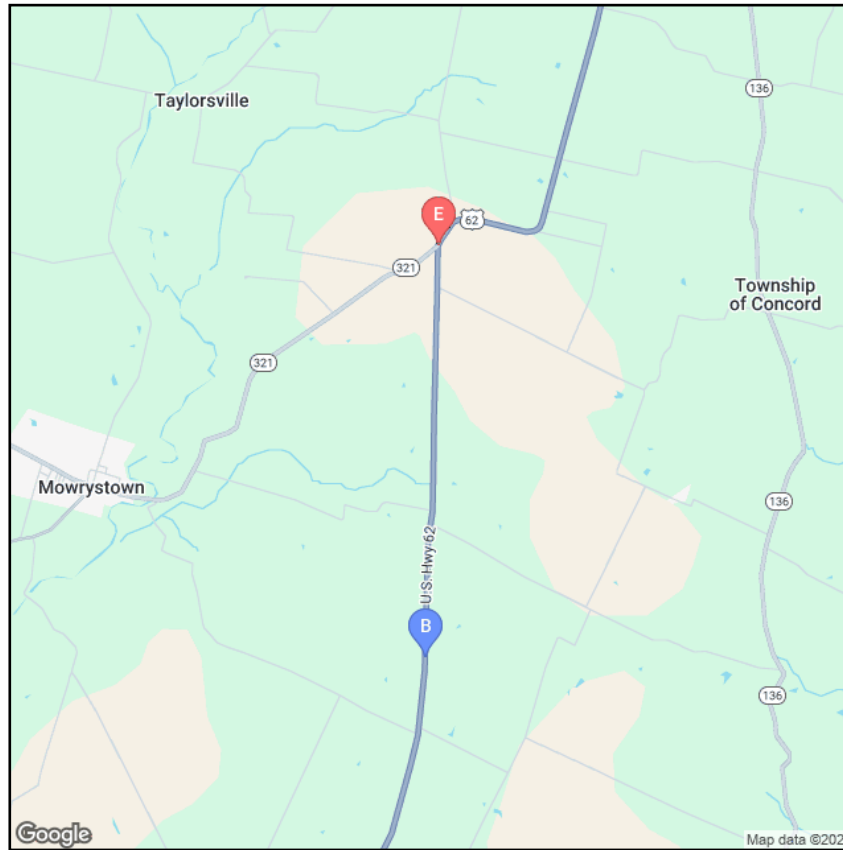
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Historical Count

Year	All	Cars	Trucks
2012	3,055	2,588	467
2015	2,687	1,932	754
2018	2,408	1,835	573
2021	3,306	2,689	617
* 2024	2,699	2,137	562

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2038 AADT	DHV30	K %	D %	T24 %	TD %
2276647	SHIGUS00062**C	0.000	2.873	2.873	2,700	2,900	350	12.0	52.5	19	21

Forecast Segment ID	Route	BMP	EMP
2276651	SHIGUS00062**C	2.873	3.071

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 11.7	13	3,400	Model	0.800	0.800
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
3,920	◆ 56.1	11	520	Model	0.800	0.800

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	3,543	526	4,069

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
789	6404	315	902	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.51	0.73	0	0	3,051	485	3,229	514
2	0.93	0.84	5	4	3,517	509	3,543	526
3	1.31	1.24	0	0	3,735	551	3,824	571
4	1.84	1.20	5	4	4,297	556	4,214	567
5	1.08	1.64	0	0	3,543	601	3,650	616
6	1.57	1.28	5	4	4,081	565	4,018	576

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	-1,882	4,060	-461	582	0.85	1.34
2	RAT	0.64	3,777	0.48	505	0.57	0.65
3	MRAT	1.15	3,814	1.17	516	0.60	0.75
4	RAF		3,937		549	0.72	1.04
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Model Ratio		0.800		0.800	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
3272	3478	505	582	3777	4060

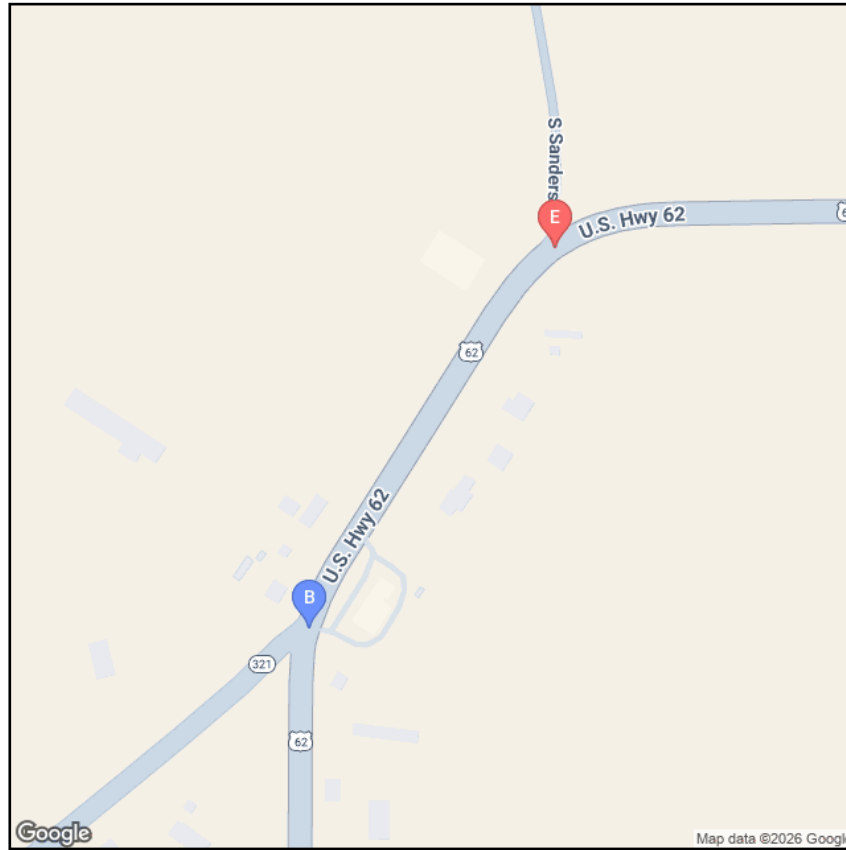
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Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2010	3,070	2,690	380
2013	2,670	2,304	365
2015	2,762	2,384	377
2018	3,173	2,832	341
2021	2,743	2,354	389
* 2024	3,283	2,851	432

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2038 AADT	DHV30	K %	D %	T24 %	TD %
2276651	SHIGUS00062**C	2.873	3.071	0.198	3,300	3,600	400	11.7	56.1	13	11

Forecast Segment ID	Route	BMP	EMP
2276652	SHIGUS00062**C	3.071	7.360

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 11.7	13	3,400	Model	0.800	0.800
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
3,920	◆ 56.1	11	520	Model	0.800	0.800

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
2	3,543	526	4,069

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
789	6404	315	902	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.51	0.73	0	0	3,051	485	3,229	514
2	0.93	0.84	5	4	3,517	509	3,543	526
3	1.31	1.24	0	0	3,735	551	3,824	571
4	1.84	1.20	5	4	4,297	556	4,214	567
5	1.08	1.64	0	0	3,543	601	3,650	616
6	1.57	1.28	5	4	4,081	565	4,018	576

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	-135	3,958	-454	584	0.71	1.35
2	RAT	0.96	3,931	0.49	506	0.77	0.66
3	MRAT	1.20	3,936	1.17	517	0.77	0.76
4	RAF		3,947		550	0.74	1.05
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Model Ratio		0.800		0.800	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
3374	3430	506	584	3880	4014

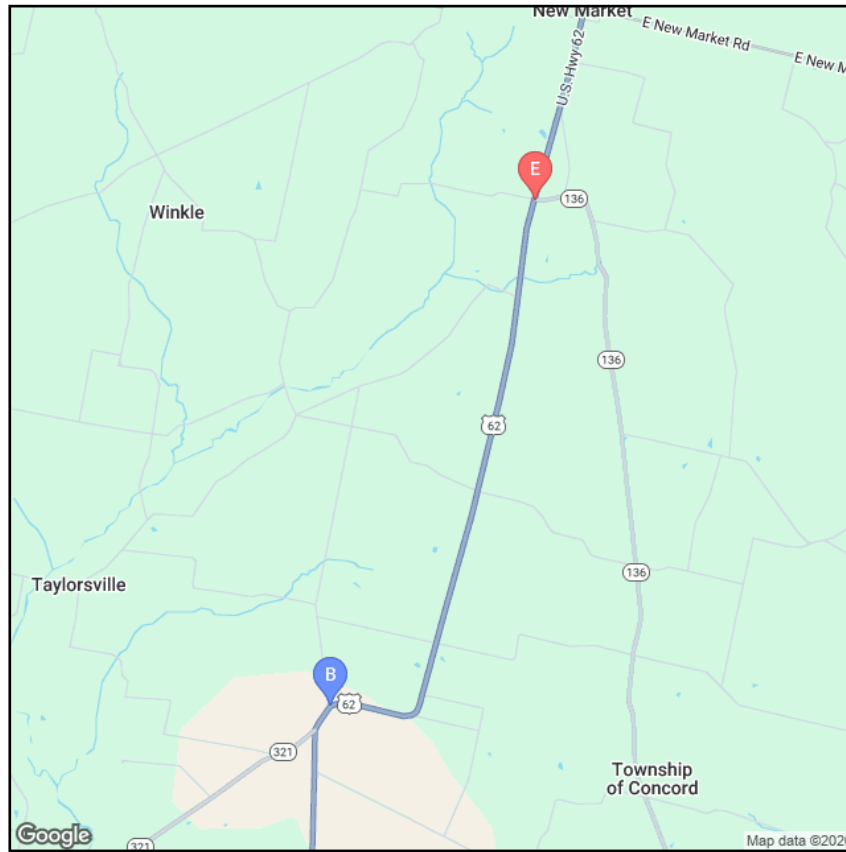
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Historical Count

Year	All	Cars	Trucks
2010	3,070	2,690	380
2013	2,670	2,304	365
2015	2,762	2,384	377
2018	3,173	2,832	341
2021	2,743	2,354	389
* 2024	3,283	2,851	432

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2038 AADT	DHV30	K %	D %	T24 %	TD %
2276652	SHIGUS00062**C	3.071	7.360	4.289	3,300	3,600	400	11.7	56.1	13	11

Forecast Segment ID	Route	BMP	EMP
2276654	SHIGUS00062**C	7.360	10.355

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 12.2	9	4,600	Average	0.100	0.100
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
5,180	◆ 51.1	10	580	Model	1.100	1.100

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
4	4,187	374	4,561

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
19	5891	-249	1116	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	-1.18	0.06	0	0	2,814	441	3,084	465
2	-2.11	0.24	6	4	1,663	487	2,007	487
3	-0.56	-0.65	0	0	3,637	345	3,800	381
4	-0.22	-0.71	5	4	4,194	359	4,187	374
5	-0.77	-0.08	0	0	3,368	419	3,557	448
6	-0.45	-0.94	5	4	3,903	329	3,923	346

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	1,047	5,506	-446	616	0.39	1.33
2	RAT	1.27	5,670	0.51	538	0.60	0.67
3	MRAT	1.16	5,648	1.17	549	0.57	0.76
4	RAF		5,577		583	0.48	1.05
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Average		0.500		1.100	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
4890	5132	538	616	5428	5748

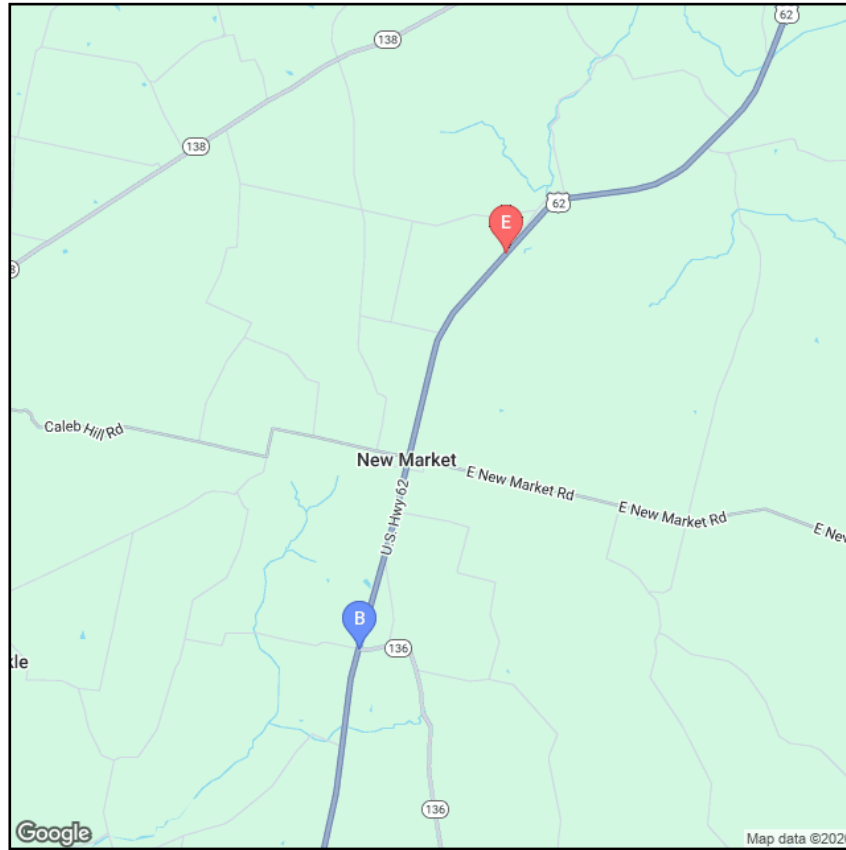
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Historical Count

Year	All	Cars	Trucks
2010	5,570	5,170	400
2013	4,960	4,487	472
2015	5,132	4,643	488
2018	4,832	4,483	349
2021	4,489	4,061	428
* 2024	4,901	4,443	458

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2038 AADT	DHV30	K %	D %	T24 %	TD %
2276654	SHIGUS00062**C	7.360	10.355	2.995	4,900	5,000	600	12.2	51.1	11	11