

Straight Growth from 2022:

Year	ADT	Growth Rate	Known Count
2022	12139	2.51%	1.0251
2023	12444		
2024	12756		
2025	13076		
2026	13404		
2027	13741		
2028	14086		
2029	14439		

Modified Growth Table:

Year	ADT	Growth Rate	Known Count
2022	12139	2.51%	1.0251
2023	12948		
2024	13273		
2025	13606		
2026	13948		
2027	14298		
2028	14657		
2029	15025		

Notes: Looked at all traffic count locations throughout planned limits and realize location just north of 1488 should be our target volume location. AADT volumes report does have significant increase.

Will use peak splits from 2023.

Volume Count Report

LOCATION INFO	
Location ID	170H77
Type	SPOT
Functl Class	5
Located On	FM0149
Loc On Alias	FM0149-KG
Direction	2-WAY
County	Montgomery
Community	-
MPO ID	15
HPMS ID	ASSIGNED
Agency	Texas DOT

Time	15-min Interval				Hourly Count
	1st	2nd	3rd	4th	
0:00-1:00	8	9	2	7	26
1:00-2:00	4	3	3	3	13
2:00-3:00	7	8	6	4	25
3:00-4:00	5	6	9	8	28
4:00-5:00	8	14	20	27	69
5:00-6:00	45	56	81	78	260
6:00-7:00	117	151	194	127	589
7:00-8:00	165	205	222	221	814
8:00-9:00	209	218	233	188	848
9:00-10:00	211	213	211	175	810
10:00-11:00	161	157	165	164	647
11:00-12:00	167	184	169	208	728
12:00-13:00	175	216	201	192	784
13:00-14:00	194	189	205	208	796
14:00-15:00	185	202	250	205	842
15:00-16:00	207	228	277	272	984
16:00-17:00	269	307	295	311	1,182
17:00-18:00	309	334	303	246	1,192
18:00-19:00	209	212	178	157	756
19:00-20:00	136	128	101	104	469
20:00-21:00	88	82	87	71	328
21:00-22:00	70	46	53	33	202
22:00-23:00	35	28	33	23	119
23:00-24:00	18	12	10	11	51
Total					12,562
AAADT					12,948
AM Peak					07:45-08:45 861
PM Peak					16:45-17:45 1,257

COUNT DATA INFO	
Count Status	Accepted
Holiday	No
Start Date	Wed 2/8/2023
End Date	Thu 2/9/2023
Start Time	9:00:00 AM
End Time	9:00:00 AM
Direction	
Notes	
Station	
Study	
Speed Limit	
Description	
Sensor Type	Axle/Tube
Source	
Latitude,Longitude	30.23121, -95.692769

Year	Peak	Growth Rate	Peak Vol @ Year Open to Traffic
2022	814		2.40%
2023	848	6365	
2024	848	6518	
2025	848	6674	
2026	848	6834	
2027	848	6998	
2028	848	7166	
2029	848	7338	

6365 Total Peak Vol (2023)

The screenshot shows the Traffic Count (TCDS) software interface. On the left, there are navigation buttons (Home, Locate, etc.) and a list of records. The main area displays details for location 170H77, including MPO ID, HPMS ID, Route Type, and various groupings. Below this is a table for AADT (Annual Average Daily Traffic) from 2019 to 2023, showing a steady increase from 10,629 to 12,948. To the right is a map showing the location on a road network, with a callout box providing location ID, name, and AADT for 2023.

Volume Count Report

LOCATION INFO	
Location ID	170H77
Type	SPOT
Functl Class	5
Located On	FM0149
Loc On Alias	FM0149-KG
Direction	2-WAY
County	Montgomery
Community	-
MPO ID	15
HPMS ID	ASSIGNED
Agency	Texas DOT

Time	15-min Interval				Hourly Count
	1st	2nd	3rd	4th	
0:00-1:00	13	11	11	8	43
1:00-2:00	3	7	1	2	13
2:00-3:00	9	6	5	14	34
3:00-4:00	9	5	9	11	34
4:00-5:00	12	23	32	34	101
5:00-6:00	67	90	96	119	372
6:00-7:00	149	215	224	257	845
7:00-8:00	233	306	274	266	1,079
8:00-9:00	249	245	246	249	989
9:00-10:00	212	220	238	226	896
10:00-11:00	210	201	228	210	849
11:00-12:00	227	206	186	156	775
12:00-13:00	202	199	180	187	768
13:00-14:00	166	201	197	180	744
14:00-15:00	192	234	187	221	834
15:00-16:00	179	253	250	250	932
16:00-17:00	263	268	274	307	1,112
17:00-18:00	326	322	316	253	1,217
18:00-19:00	273	237	202	162	874
19:00-20:00	149	137	125	103	514
20:00-21:00	107	99	104	77	387
21:00-22:00	95	81	61	56	293
22:00-23:00	56	41	45	32	174
23:00-24:00	29	14	16	14	73
Total					13,952
AAADT					12,139
AM Peak					07:15-08:15 1,095
PM Peak					16:45-17:45 1,271

COUNT DATA INFO	
Count Status	Accepted
Holiday	No
Start Date	Wed 5/25/2022
End Date	Thu 5/26/2022
Start Time	11:30:00 AM
End Time	11:30:00 AM
Direction	
Notes	
Station	
Study	
Speed Limit	
Description	
Sensor Type	Axle/Tube
Source	
Latitude,Longitude	30.229664, -95.692261

Metric	Value	Description	Percentage
Posted Speed Limit	60	Single directional travel lane, lots of driveways (potential stops). Makes average travel speed just under speed limit for average corridor travel.	85%
Estimated Free Flow Speed before Improvement	51		
Average Peak Period Corridor Speed before Improvement	40.8	Mix of school traffic and normal peak travel commutes	80%
Average RDWY Speed after improvements	57		95%