



## Speed Survey

2700 Norma Drive, Mission, Texas

Prepared by:

Traffic Investigator Abraham Sanchez #648

A speed study for the 2500 block to the 2800 block of Norma Drive was conducted from November 27, 2024 to December 3, 2024. The study was conducted after residents in the area expressed concerns of “speeding vehicles” in the area.

The area in question is a portion of Norma Drive within the City of Mission which connects Harmony Lane and Taylor Road (IMAGE 1). That stretch of Norma Drive is approximately 1,100 feet in length (0.2 miles) and is a residential area with 15 houses on either side of the street (IMAGE 2).

The roadway itself measures approximately 30 feet in width and has concrete curbs on either side (IMAGE 3). It is important to note that, like many neighborhoods in the City of Mission, there are vehicles parked parallel to the curb, therefore reducing the usable portion of the roadway. This roadway does not have any lane striping, nor does it have any speed limit signs (IMAGES 4-9).

As per **Texas Transportation Code Sec. 545.352 (b)(1)**, the Prima Facie Speed Limit for this roadway is 30 miles per hour since no speed limit sign is present and the street is located in an urban area.

In the speed study, it was found that 4,818 vehicles drove past the speed trailer between 11/27/24 and 12/03/24. Of the 4,818 vehicles logged, 51 of them were logged over 40 miles per hour (two over 55 miles per hour).

The **average speed** of vehicles logged in the study was **14.5 miles per hour**.

A records check of vehicle crashes on that stretch of roadway shows **no crashes** have occurred, dating back to the year 2015. Additionally, a check for calls for service for the area in question shows **no calls** for reckless drivers, crashes, nor any traffic-related offenses.

IMAGE 1

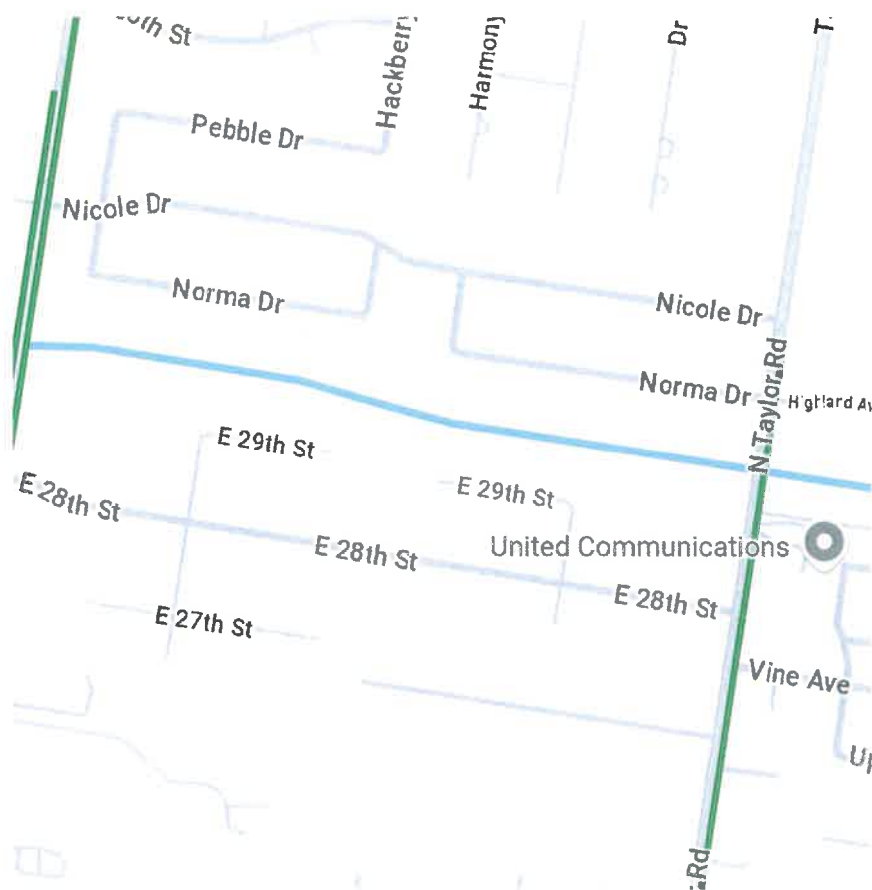


IMAGE 2

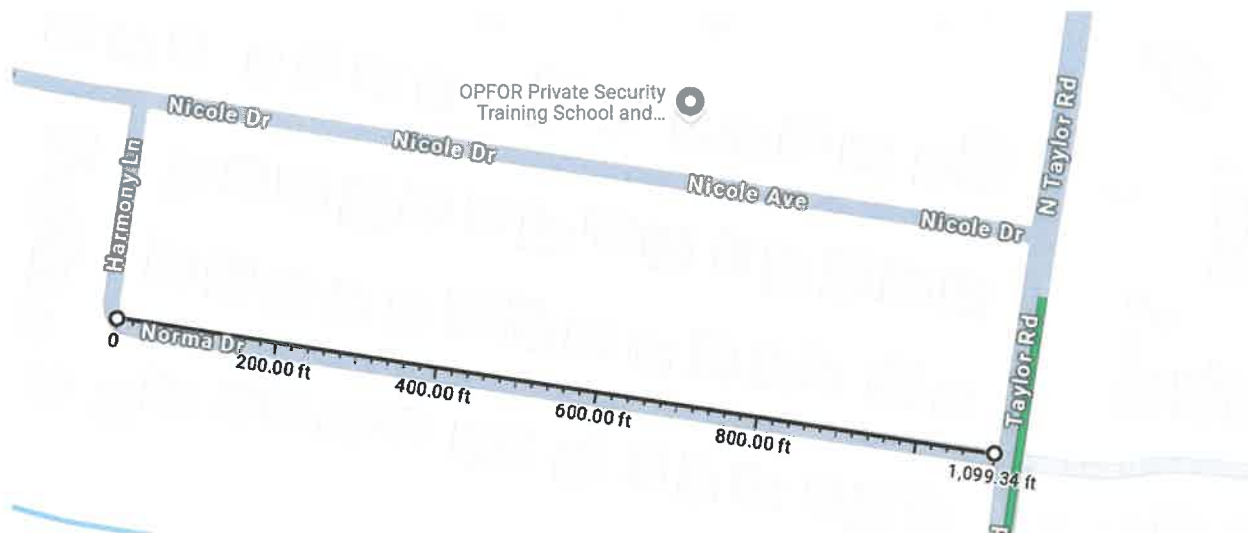


IMAGE 3

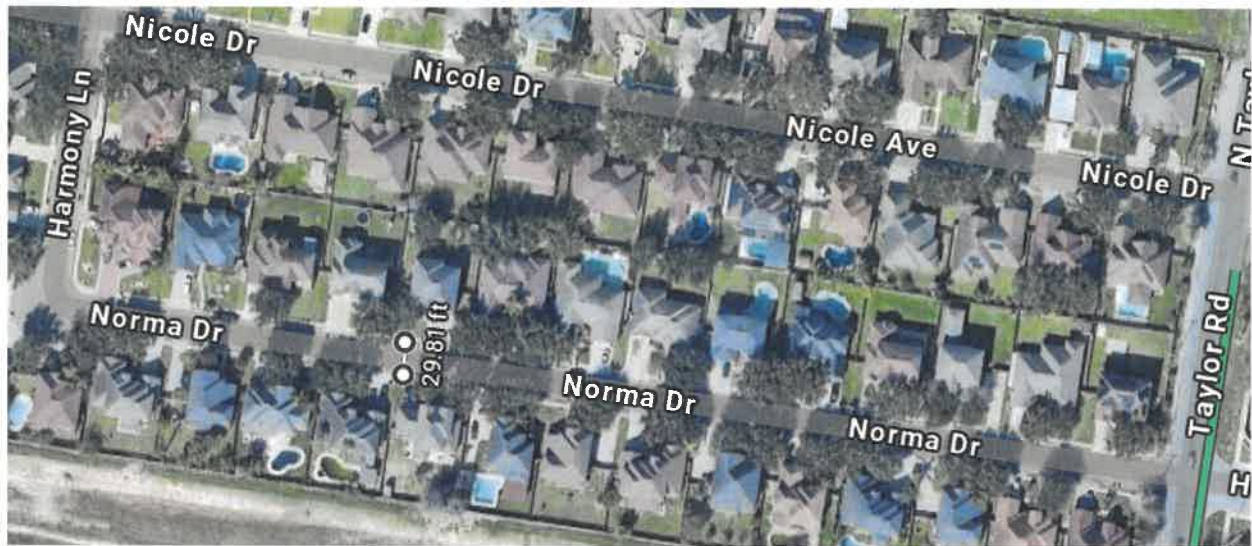


IMAGE 4 (INTERSECTION OF TAYLOR ROAD AND NORMA DRIVE FACING WEST)





IMAGE 5 (2800 BLOCK OF NORMA DRIVE FACING WEST)



IMAGE 6 (2700 BLOCK OF NORMA DRIVE FACING WEST)



IMAGE 7 (2600 BLOCK OF NORMA DRIVE FACING WEST)



IMAGE 8 (2500 BLOCK OF NORMA DRIVE FACING WEST)





IMAGE 9 (INTERSECTION OF HARMONY LANE AND NORMA DRIVE FACING EAST)



## Mission Police Department

## Survey Summary

## Survey Description

**Survey Location** 2700 Norma Dr. Mission, Texas 78572  
**Survey GPS Coordinates**  
**Survey Dates** **Start** Wednesday, 11/27/2024 11:00 AM **Stop** Tuesday, 12/3/2024 11:00 AM  
**Posted Speed Limit** 40 mph  
**Traffic Zone** Normal

## Survey Result

<b>Total Vehicle Count</b>	4818		
<b>Traffic Direction</b>	<b>Closing</b>	<b>Away</b>	<b>Combined</b>
	Undefined	Undefined	
<b>Vehicle Count</b>	1437	3381	4818
<b>Posted Speed Limit</b>	40 mph		
<i>Vehicles Under the Speed Limit Count</i>	1436	3333	4769
<i>Vehicles Under the Speed Limit Percentage</i>	99.93%	98.58%	98.98%
<i>Vehicles Over the Speed Limit Count</i>	1	48	49
<i>Vehicles Over the Speed Limit Percentage</i>	0.07%	1.42%	1.02%
<b>Excessive Speed Threshold</b>	55 mph		
<i>Vehicles Over the Excessive Speed Count</i>	0	2	2
<i>Vehicles Over the Excessive Speed Percentage</i>	0	0.06%	0.04%
<i>Average Violation Speed</i>	47.0 mph	45.79 mph	45.82 mph
<b>Speed Profile</b>			
<b>Average Speed</b>	13.1 mph	15.1 mph	14.5 mph
<b>Minimum Speed</b>	3 mph	2 mph	2 mph
<b>Maximum Speed</b>	47 mph	68 mph	68 mph
<b>Standard Deviation</b>	8 mph	10 mph	9 mph
<b>85 % Percentile Speed - Free Flow</b>	23 mph	24 mph	10 mph
<b>10 mph Pace - Free Flow</b>	9-18 mph	10-19 mph	9-18 mph
<b>In Pace Count - Free Flow</b>	219	357	576
<b>Data Recording Limits</b>			
<b>Highest Speed Allowed</b>	90 mph		
<b>Lowest Speed Allowed</b>	10 mph		
<b>Minimum Following Time</b>	5 Second(s)		



Mission Police Department

Survey Description

Survey Details

Survey Location	2700 Norma Dr. Mission, Texas 78572	
Survey GPS Coordinates		
Survey Dates	Start	Stop
	Wednesday, 11/27/2024 11:00 AM	Tuesday, 12/3/2024 11:00 AM
Posted Speed Limit	40 mph	
Traffic Zone	Normal	
File Name	STALKER_ROADSIDE_LOG_PMG_SA002392_0x585D@2024-12-04_14-02-01.xml	
Device Type	PMG	
Device Serial Number	SA002392	
Survey Note		

Total Vehicle Count	4818	
Traffic Direction	Undefined (Closing)	Undefined (Away)
Vehicle Count	1437	3381

Survey Map



Mission Police Department

Survey Summary

Survey Description				
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Survey GPS Coordinates				
Survey Dates	Start		Stop	
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Posted Speed Limit	40 mph			
Traffic Zone	Normal			
Survey Result				
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	Traffic Direction	Closing	Away	Combined
		Undefined	Undefined	
	Vehicle Count	1437	3381	4818
Posted Speed Limit	40 mph			
Vehicles Under the Speed Limit Count	1436	3333	4769	
Vehicles Under the Speed Limit Percentage	99.93%	98.58%	98.98%	
Vehicles Over the Speed Limit Count	1	48	49	
Vehicles Over the Speed Limit Percentage	0.07%	1.42%	1.02%	
Excessive Speed Threshold	55 mph			
Vehicles Over the Excessive Speed Count	0	2	2	
Vehicles Over the Excessive Speed Percentage	0	0.06%	0.04%	
Average Violation Speed	47.0 mph	45.79 mph	45.82 mph	
Speed Profile				
	Average Speed	13.1 mph	15.1 mph	14.5 mph
	Minimum Speed	3 mph	2 mph	2 mph
	Maximum Speed	47 mph	68 mph	68 mph
	Standard Deviation	8 mph	10 mph	9 mph
85 % Percentile Speed - Free Flow	23 mph	24 mph	10 mph	
10 mph Pace - Free Flow	9-18 mph	10-19 mph	9-18 mph	
In Pace Count - Free Flow	219	357	576	
Data Recording Limits				
	Highest Speed Allowed	90 mph		
	Lowest Speed Allowed	10 mph		
	Minimum Following Time	5 Second(s)		

# Mission Police Department

## Survey Description

**Survey Location** 2700 Norma Dr. Mission, Texas 78572

**Survey GPS Coordinates**

**Survey Dates** **Start** Wednesday, 11/27/2024 11:00 AM **Stop** Tuesday, 12/3/2024 11:00 AM

**Posted Speed Limit** 40 mph

**Traffic Zone** Normal

## Speed - Volume Matrix

Date Range: 2024-11-27 - 2024-12-03

Direction: Both

Date Span	Total	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86+
00:00 - 00:59	42	13	13	6	4	2	4											
01:00 - 01:59	7	2	1	1	1	2												
02:00 - 02:59	1	1																
03:00 - 03:59	13	2	3	2	2	3		1										
04:00 - 04:59	17	2	5	2	6		1	1										
05:00 - 05:59	13	3	1	3	2	3		1										
06:00 - 06:59	6	1	1	1	2	1												
07:00 - 07:59	13	6	1	4	2													
08:00 - 08:59	53	10	11	6	11	12	2	1										
09:00 - 09:59	82	24	21	9	8	10	9	1										
10:00 - 10:59	134	44	28	17	24	13	7	1										
11:00 - 11:59	204	66	41	34	27	20	9	4	2	1								
12:00 - 12:59	277	68	66	49	38	34	11	8	3									
13:00 - 13:59	383	171	53	46	45	36	17	8	5	1	1							
14:00 - 14:59	797	562	79	59	44	29	14	6	2	2								
15:00 - 15:59	420	189	64	59	50	25	23	5	3	2								
16:00 - 16:59	444	120	97	72	67	45	22	14	3	1	1		1	1				
17:00 - 17:59	329	77	66	52	54	43	20	9	2	5	1							
18:00 - 18:59	407	105	102	80	54	35	19	6	4	1	1							
19:00 - 19:59	207	61	38	38	36	18	11	4	1									
20:00 - 20:59	322	203	31	27	31	18	7	4		1								
21:00 - 21:59	217	131	24	21	21	14	6											
22:00 - 22:59	364	302	15	17	12	8	7	2	1									
23:00 - 23:59	66	23	13	9	8	5	1	4	3									

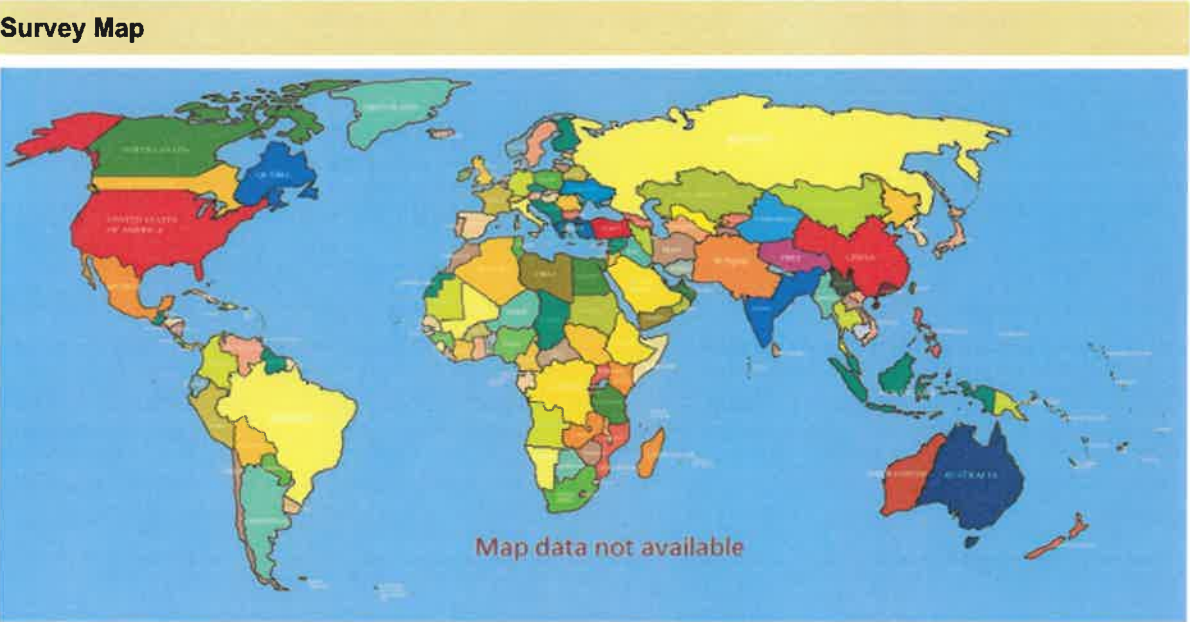


Mission Police Department

Survey Description

Survey Details		
Survey Location	2700 Norma Dr. Mission, Texas 78572	
Survey GPS Coordinates		
Survey Dates	Start	Stop
	Wednesday, 11/27/2024 11:00 AM	Thursday, 11/28/2024 11:00 AM
Posted Speed Limit	40 mph	
Traffic Zone	Normal	
File Name	STALKER_ROADSIDE_LOG_PMG_SA002392_0x585D@2024-12-04_14-02-01.xml	
Device Type	PMG	
Device Serial Number	SA002392	
Survey Note		

Total Vehicle Count	658	
Traffic Direction	Undefined (Closing)	Undefined (Away)
Vehicle Count	182	476



# Mission Police Department

## Survey Summary

### Survey Description

**Survey Location** 2700 Norma Dr. Mission, Texas 78572  
**Survey GPS Coordinates**  
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**Posted Speed Limit** 40 mph  
**Traffic Zone** Normal

### Survey Result

<b>Total Vehicle Count</b>	658		
<b>Traffic Direction</b>	<b>Closing</b>	<b>Away</b>	<b>Combined</b>
	Undefined	Undefined	
<b>Vehicle Count</b>	182	476	658
<b>Posted Speed Limit</b>	40 mph		
<i>Vehicles Under the Speed Limit Count</i>	182	464	646
<i>Vehicles Under the Speed Limit Percentage</i>	100.0%	97.48%	98.18%
<i>Vehicles Over the Speed Limit Count</i>	0	12	12
<i>Vehicles Over the Speed Limit Percentage</i>	0	2.52%	0
<b>Excessive Speed Threshold</b>	55 mph		
<i>Vehicles Over the Excessive Speed Count</i>	0	0	0
<i>Vehicles Over the Excessive Speed Percentage</i>	0	0	0
<i>Average Violation Speed</i>	0	44.42 mph	44.42 mph
<b>Speed Profile</b>			
<b>Average Speed</b>	15.41 mph	18.67 mph	17.77 mph
<b>Minimum Speed</b>	3 mph	3 mph	3 mph
<b>Maximum Speed</b>	33 mph	51 mph	51 mph
<b>Standard Deviation</b>	7 mph	10 mph	9 mph
<b>85 % Percentile Speed - Free Flow</b>	23 mph	29 mph	14 mph
<b>10 mph Pace - Free Flow</b>	11-20 mph	15-24 mph	13-22 mph
<b>In Pace Count - Free Flow</b>	47	49	96
<b>Data Recording Limits</b>			
<b>Highest Speed Allowed</b>	90 mph		
<b>Lowest Speed Allowed</b>	10 mph		
<b>Minimum Following Time</b>	5 Second(s)		

Mission Police Department

Survey Description

Survey Location 2700 Norma Dr. Mission, Texas 78572  
Survey GPS Coordinates  
Survey Dates Start Stop  
Wednesday, 11/27/2024 11:00 AM Thursday, 11/28/2024 11:00 AM  
Posted Speed Limit 40 mph  
Traffic Zone Normal

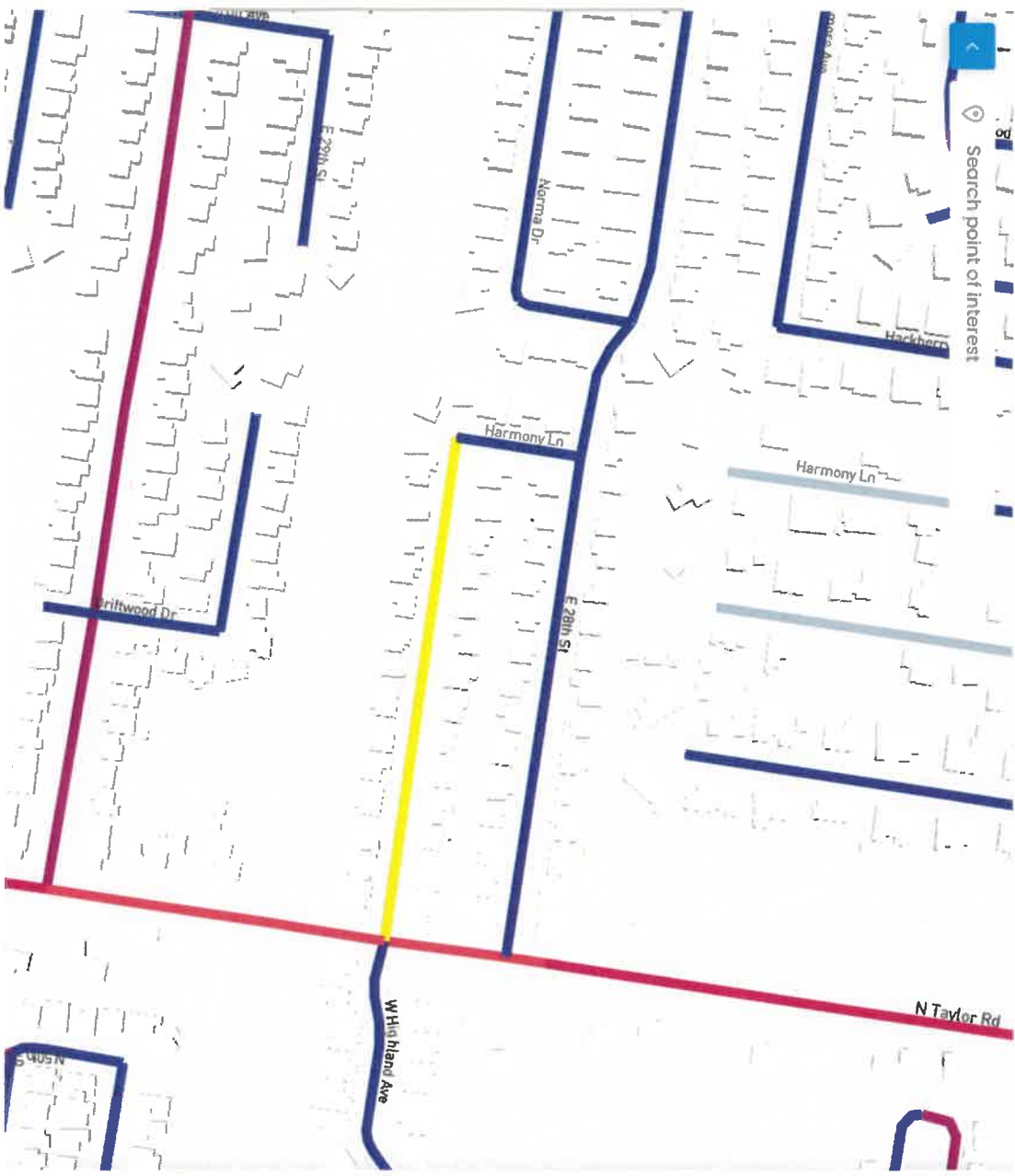
Speed - Volume Matrix

Date Range: 2024-11-27 - 2024-11-28

Direction: Both

Date Span	Total	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86+
00:00 - 00:59	0																	
01:00 - 01:59	0																	
02:00 - 02:59	0																	
03:00 - 03:59	0																	
04:00 - 04:59	0																	
05:00 - 05:59	0																	
06:00 - 06:59	0																	
07:00 - 07:59	0																	
08:00 - 08:59	0																	
09:00 - 09:59	0																	
10:00 - 10:59	0																	
11:00 - 11:59	74	26	19	9	9	8	2		1									
12:00 - 12:59	91	22	24	17	11	11	2	3	1									
13:00 - 13:59	63	13	14	12	6	6	6	2	3		1							
14:00 - 14:59	62	12	13	10	10	9	5	2		1								
15:00 - 15:59	59	13	11	10	8	8	5	2	2									
16:00 - 16:59	94	25	20	15	14	10	7	2	1									
17:00 - 17:59	82	17	18	12	10	16	5	2		2								
18:00 - 18:59	125	35	29	26	17	12	2	4										
19:00 - 19:59	0																	
20:00 - 20:59	8	3	2		1	1	1											
21:00 - 21:59	0																	
22:00 - 22:59	0																	
23:00 - 23:59	0																	





Analytics

Norma Dr (717570613)

Metrics Details

Bookmark

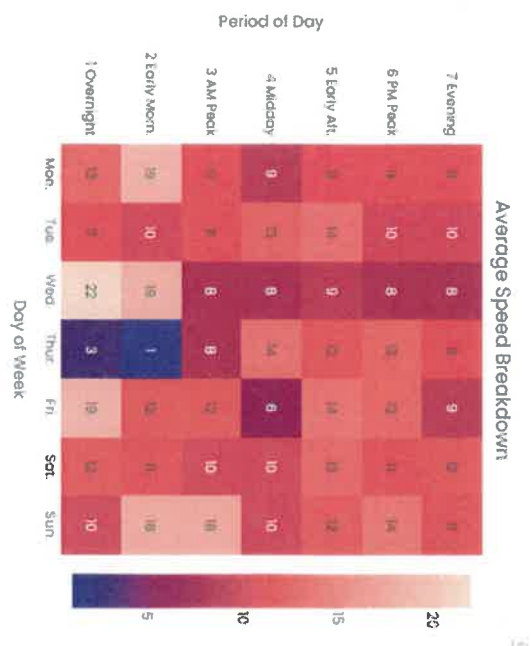
12 MPH

Average Speed

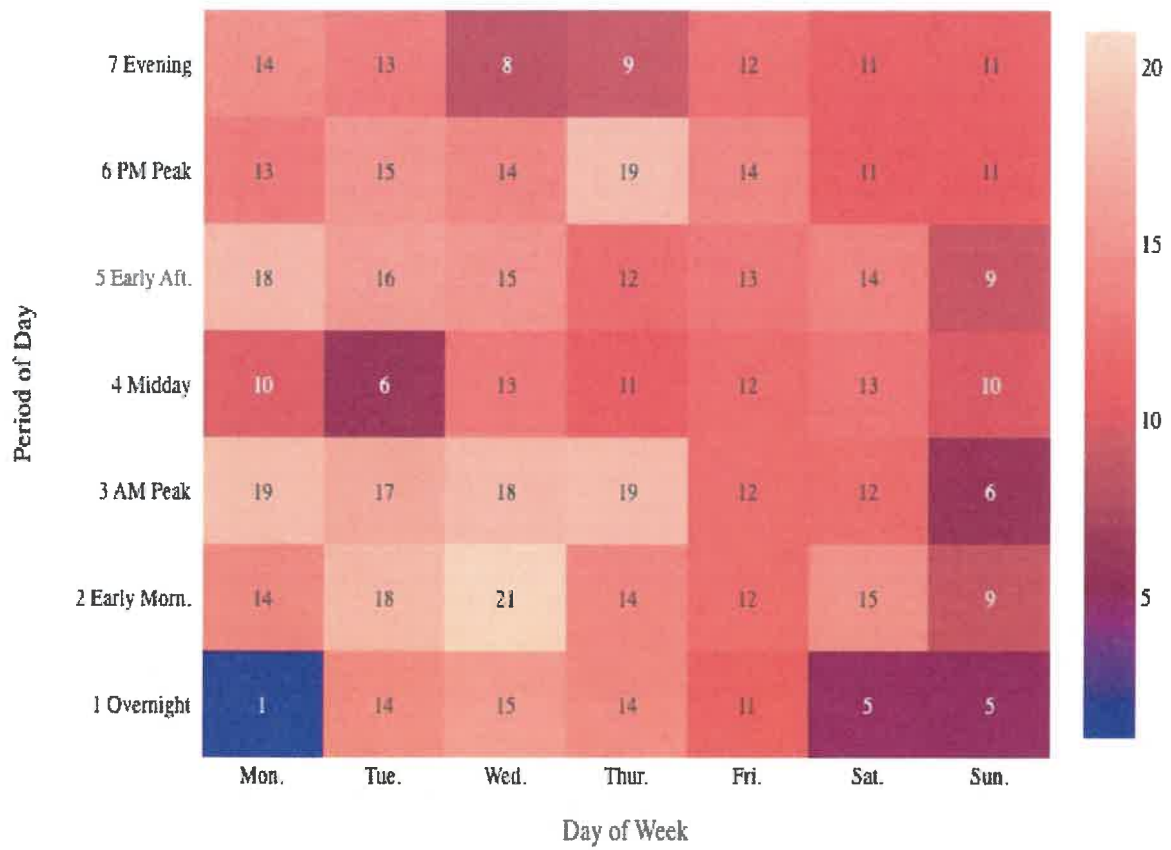
Insights

16 MPH

16 MPH



# 85th Percentile Speed Breakdown



**13** MPH

85th Percentile Speed

### Insights

Average

9 MPH

95%

13 MPH

Road Segment ID

826657232

Location

Hidalgo, Texas

Road Class

Local (class 5)

Length

0.18641 miles

Road Name

Norma Dr

Speed Category

30 MPH

