

# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



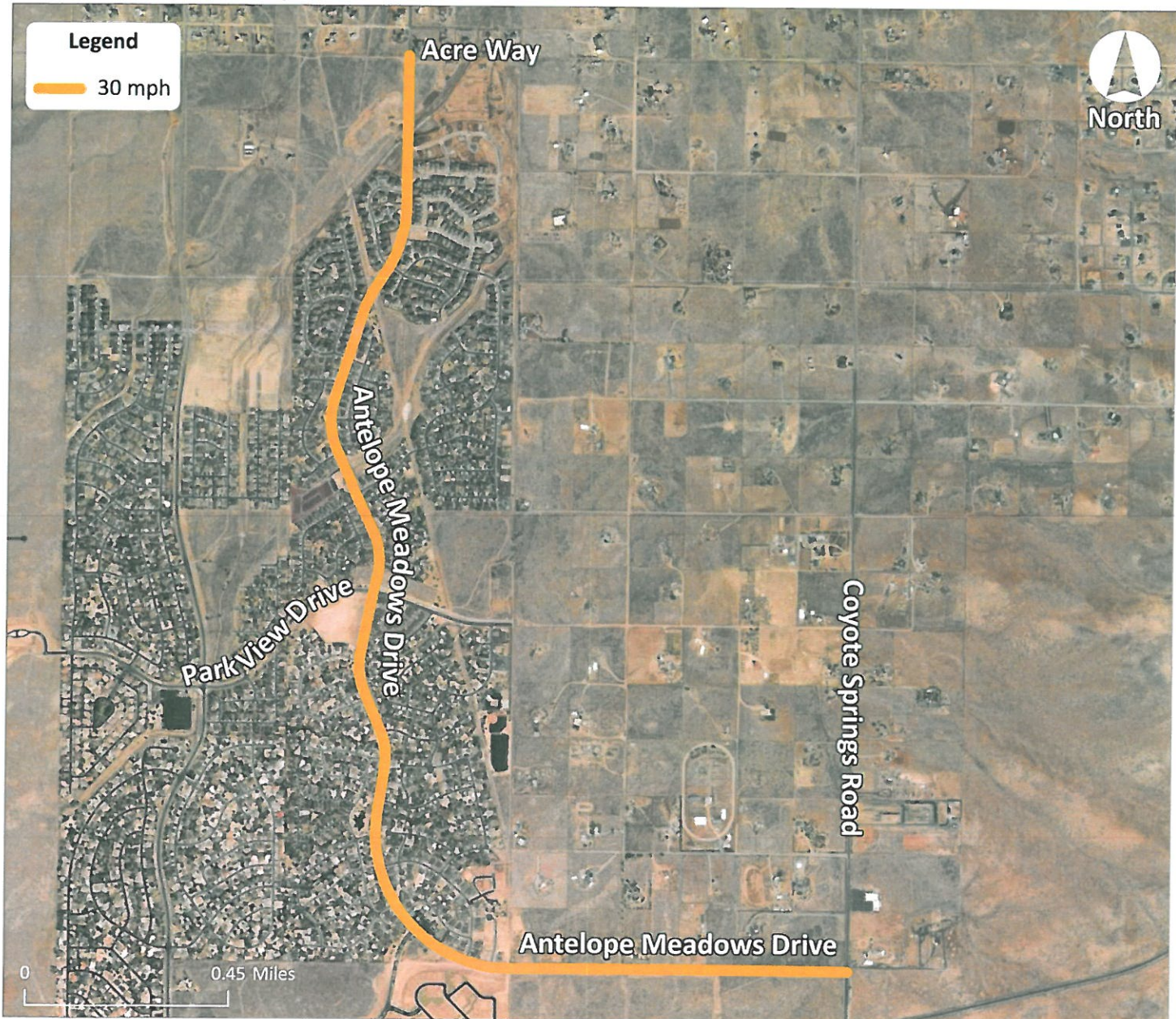
**Segment Studied:** Antelope Meadows Drive

**From:** Coyote Springs Road

**To:** Town Limits

**Length:** 3 miles

## Study Area Map - Existing Speed Limits



**Introduction:**

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

**Roadway Characteristics:**

- Functional Classification: collector
- Existing Speed Limit: 30 mph
- One lane in each direction separated by a raised median north of Lucky Shoe Way (south intersection) and a double-yellow centerline east of there
- Pavement width varies from about 25 to 45 feet
- Moderate and frequent horizontal curvature
- Sidewalk on the north/east side of the roadway, except near Coyote Springs Road, buffer-separated from the roadway
- No bike lanes, curbs, or gutters
- Several uncontrolled crosswalks marked
- Prohibited on-street parking
- Street lighting only at very few intersections

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Thursday, December 1, 2022, and Wednesday, May 31, 2023, at the following locations:

- Site A: Antelope Meadows Drive, about 245 feet west of Pronghorn Ranch Parkway
- Site B: Antelope Meadows Drive, about 130 feet south of Prickly Pear Path
- Site C: Antelope Meadows Drive, about 300 feet north of Park View Drive
- Site D: Antelope Meadows Drive, about 360 feet south of Shooting Star Trail

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>Site A: 245 feet west of Pronghorn Ranch Parkway</i></b>			
Northbound	28 mph	31 mph	2,822
Southbound	29 mph	33 mph	2,717
Both Directions	28 mph	32 mph	5,539
<b><i>Site B: 130 feet south of Prickly Pear Path</i></b>			
Northbound	32 mph	34 mph	2,024
Southbound	32 mph	34 mph	2,130
Both Directions	32 mph	34 mph	4,154
<b><i>Site C: 300 feet north of Park View Drive</i></b>			
Northbound	30 mph	34 mph	2,020
Southbound	32 mph	36 mph	1,903
Both Directions	31 mph	34 mph	3,923
<b><i>Site D: 360 feet south of Shooting Star Trail</i></b>			
Northbound	34 mph	37 mph	1,284
Southbound	33 mph	38 mph	1,142
Both Directions	33 mph	38 mph	2,426

- Average speeds ranged from 28 to 33 mph, an average of about 31 mph for the corridor, slightly above the existing 30-mph speed limit.
- 85th-percentile speeds averaged 32 to 38 mph.
- Speeds are very similar by direction.
- The highest volumes and lowest speeds along the corridor were recorded near Pronghorn Ranch Parkway. It is possible that the location of data collection was so close to Pronghorn Ranch Parkway that the ultimate cruising speeds of traffic turning to or from Pronghorn Ranch Parkway were not captured.



**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	1	2	0	3	2
2020	0	0	0	0	0
2021	1	1	0	2	1
<b>Total</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>3</b>

- 5 crashes were reported, an average of about 1.7 crashes per year.
- One serious injury, one minor injury, and one possible injury crash were reported.
- The serious and possible injury crashes were reported as speed-related crashes.
- The crash rate along the corridor is 57 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 34 per 100 MVM.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM.
- The crash rate along the corridor is 75% lower than the average rate on similar roadways. The injury rate along the corridor is 48% lower than the average injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), RCU – Residential (Conditional Use Permits), RS – Residential & Services, C2 – Commercial (General Sales & Services), and PL – Public Lands.
- In the northern segment, no single-family homes front the street. Only one fronting single-family home was observed in the eastern segment, in an area largely devoid of development.
- Single-family units, assisted living facilities, and services are present.
- The street has good access management practices, with limited intersection spacing and very few driveways.

**Speed Limit Recommendation:**

Retain the existing 30-mph speed limit, for the following reasons:

- Based on the average 85th-percentile speed of 35 mph and crash rates lower than average of typical roadways, a speed limit of 35 mph might be justifiable. However, sidewalks are only present on one side of the roadway, leading to frequent pedestrian crossings and indicating a lower speed limit.
- The crash and injury rates are well below average for typical streets, indicating that retaining the existing posted speed limit is reasonable.
- The horizontal curvature along the roadway communicates to drivers that the street is comfortable at 30 mph.



**Recommended Action Items:**

- Edge lines are striped on the right edge of the northern section of Antelope Meadows Drive in both directions as far north as Bella Vista Lane. It is recommended that the edge lines be extended north of Bella Vista Drive to the town limits, because the cross section north of there is the same as further south, and edge lines help motorists identify the edge of the traveled way, particularly during times of darkness or in inclement weather.
- Edge lines are not essential in the eastern segment because of the limited pavement width and modest traffic volume, but the town may wish to consider edge lines in this area also, particularly as development and traffic volume increase.

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-008  
Antelope Meadows Pkwy north of Pronghorn  
Ranch Pkwy 34.644971, -112.328591  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/01/22	0	0	1	5	2	1	0	0	1	0	0	0	0	0	10	27	32
01:00	0	0	0	1	3	0	2	0	1	0	0	0	0	0	7	33	39
02:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	23	24
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	1	0	0	0	1	0	1	0	0	0	0	0	3	35	47
05:00	0	0	0	2	3	2	0	0	0	0	0	0	0	0	7	28	32
06:00	0	0	1	8	20	3	1	0	0	0	0	0	0	0	33	27	29
07:00	0	1	2	20	40	11	3	1	0	0	0	0	0	0	78	28	31
08:00	0	0	5	23	78	25	2	1	0	0	0	0	0	0	134	28	31
09:00	0	0	5	39	62	22	6	0	0	0	0	0	0	0	134	27	31
10:00	0	1	6	53	74	29	11	1	1	0	0	0	0	0	176	28	32
11:00	0	0	2	47	102	28	1	2	0	0	0	0	0	0	182	28	30
12 PM	0	0	6	51	91	35	3	0	0	0	0	0	0	0	186	27	31
13:00	0	0	9	49	118	49	6	2	0	0	0	0	0	0	233	28	32
14:00	2	1	7	39	86	36	8	3	0	0	0	0	0	0	182	28	32
15:00	0	1	7	83	157	51	2	0	0	0	0	0	0	0	301	27	30
16:00	0	0	13	73	156	51	13	2	0	0	0	0	0	0	308	28	31
17:00	0	0	6	75	159	55	7	0	0	0	0	0	0	0	302	28	31
18:00	0	0	9	66	86	33	9	1	0	0	0	0	0	0	204	27	31
19:00	0	1	4	45	50	21	4	1	1	0	0	0	0	0	127	27	31
20:00	0	0	1	32	40	13	6	0	0	0	0	0	0	0	92	28	31
21:00	0	0	1	35	30	7	4	1	0	0	0	0	0	0	78	27	30
22:00	0	0	1	5	13	4	0	0	0	0	0	0	0	0	23	27	30
23:00	0	0	0	9	4	2	1	3	0	1	0	0	0	0	20	30	41
Total	2	5	87	762	1374	478	90	18	5	1	0	0	0	0	2822		
Percent	0.1%	0.2%	3.1%	27.0%	48.7%	16.9%	3.2%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.		07:00 1	10:00 6	10:00 53	11:00 102	10:00 29	10:00 11	11:00 2	00:00 1						11:00 182		
PM Peak Vol.	14:00 2	14:00 1	16:00 13	15:00 83	17:00 159	17:00 55	16:00 13	14:00 3	19:00 1	23:00 1					16:00 308		
Total	2	5	87	762	1374	478	90	18	5	1	0	0	0	0	2822		
Percent	0.1%	0.2%	3.1%	27.0%	48.7%	16.9%	3.2%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 22 MPH  
50th Percentile : 27 MPH  
85th Percentile : 31 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 2136  
Percent in Pace : 75.7%  
Number of Vehicles > 30 MPH : 592  
Percent of Vehicles > 30 MPH : 21.0%  
Mean Speed(Average) : 28 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-008  
Antelope Meadows Pkwy north of Pronghorn  
Ranch Pkwy 34.644971, -112.328591  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
12/01/22	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	28	33
01:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	28	33
02:00	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3	35	37
03:00	0	0	0	1	1	4	1	0	0	0	0	0	0	0	7	32	34
04:00	0	0	1	1	1	9	4	1	1	0	0	0	0	0	18	34	39
05:00	0	0	0	5	23	19	10	2	0	0	0	0	0	0	59	31	36
06:00	0	0	0	23	50	46	17	0	0	0	0	0	0	0	136	30	34
07:00	0	0	5	36	124	109	15	1	0	0	0	1	0	0	291	30	33
08:00	0	0	6	39	123	79	9	1	0	0	0	0	0	0	257	29	33
09:00	0	0	6	36	112	56	8	0	0	0	0	0	0	0	218	29	32
10:00	0	0	4	41	108	49	8	0	0	0	0	0	0	0	210	28	32
11:00	0	0	6	38	90	39	6	1	0	0	0	0	0	0	180	28	32
12 PM	0	0	7	37	86	57	9	0	0	0	0	0	0	0	196	29	33
13:00	0	0	6	26	89	52	9	0	0	0	0	0	0	0	182	29	33
14:00	0	0	3	30	86	56	11	1	0	0	0	0	0	0	187	29	33
15:00	0	0	4	33	88	69	8	0	0	0	0	0	0	0	202	29	33
16:00	0	0	2	29	94	50	2	1	0	0	0	0	0	0	178	29	32
17:00	0	0	3	27	76	32	9	0	0	0	0	0	0	0	147	29	32
18:00	0	0	1	33	53	17	5	0	0	0	0	0	0	0	109	28	31
19:00	0	0	0	13	19	12	2	0	1	0	0	0	0	0	47	29	33
20:00	0	0	2	12	18	10	1	0	0	0	0	0	0	0	43	28	32
21:00	0	0	0	5	14	6	2	0	0	0	0	0	0	0	27	29	33
22:00	0	0	0	1	2	5	1	1	0	0	0	0	0	0	10	33	37
23:00	0	0	0	0	3	2	1	0	0	0	0	0	0	0	6	31	35
Total	0	0	56	468	1260	782	139	9	2	0	0	1	0	0	2717		
Percent	0.0%	0.0%	2.1%	17.2%	46.4%	28.8%	5.1%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.			08:00	10:00	07:00	07:00	06:00	05:00	04:00			07:00			07:00		
PM Peak Vol.			12:00	12:00	16:00	15:00	14:00	14:00	19:00						15:00		
Total	0	0	56	468	1260	782	139	9	2	0	0	1	0	0	2717		
Percent	0.0%	0.0%	2.1%	17.2%	46.4%	28.8%	5.1%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 23 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 35 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2042  
Percent in Pace : 75.2%  
Number of Vehicles > 30 MPH : 933  
Percent of Vehicles > 30 MPH : 34.3%  
Mean Speed(Average) : 29 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-008  
Antelope Meadows Pkwy north of Pronghorn  
Ranch Pkwy 34.644971, -112.328591  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/01/22	0	0	1	6	2	2	0	0	1	0	0	0	0	0	12	27	32
01:00	0	0	0	2	3	1	2	0	1	0	0	0	0	0	9	32	39
02:00	0	0	0	2	0	2	1	0	0	0	0	0	0	0	5	30	36
03:00	0	0	0	1	1	4	1	0	0	0	0	0	0	0	7	32	34
04:00	0	0	2	1	1	9	5	1	2	0	0	0	0	0	21	34	39
05:00	0	0	0	7	26	21	10	2	0	0	0	0	0	0	66	31	36
06:00	0	0	1	31	70	49	18	0	0	0	0	0	0	0	169	30	34
07:00	0	1	7	56	164	120	18	2	0	0	0	1	0	0	369	29	33
08:00	0	0	11	62	201	104	11	2	0	0	0	0	0	0	391	29	32
09:00	0	0	11	75	174	78	14	0	0	0	0	0	0	0	352	28	32
10:00	0	1	10	94	182	78	19	1	1	0	0	0	0	0	386	28	32
11:00	0	0	8	85	192	67	7	3	0	0	0	0	0	0	362	28	31
12 PM	0	0	13	88	177	92	12	0	0	0	0	0	0	0	382	28	32
13:00	0	0	15	75	207	101	15	2	0	0	0	0	0	0	415	28	32
14:00	2	1	10	69	172	92	19	4	0	0	0	0	0	0	369	29	33
15:00	0	1	11	116	245	120	10	0	0	0	0	0	0	0	503	28	32
16:00	0	0	15	102	250	101	15	3	0	0	0	0	0	0	486	28	32
17:00	0	0	9	102	235	87	16	0	0	0	0	0	0	0	449	28	32
18:00	0	0	10	99	139	50	14	1	0	0	0	0	0	0	313	27	31
19:00	0	1	4	58	69	33	6	1	2	0	0	0	0	0	174	28	32
20:00	0	0	3	44	58	23	7	0	0	0	0	0	0	0	135	28	32
21:00	0	0	1	40	44	13	6	1	0	0	0	0	0	0	105	27	31
22:00	0	0	1	6	15	9	1	1	0	0	0	0	0	0	33	29	33
23:00	0	0	0	9	7	4	2	3	0	1	0	0	0	0	26	31	40
Total	2	5	143	1230	2634	1260	229	27	7	1	0	1	0	0	5539		
Percent	0.0%	0.1%	2.6%	22.2%	47.6%	22.7%	4.1%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		07:00	08:00	10:00	08:00	07:00	10:00	11:00	04:00			07:00			08:00		
Vol.		1	11	94	201	120	19	3	2			1			391		
PM Peak	14:00	14:00	13:00	15:00	16:00	15:00	14:00	14:00	19:00	23:00					15:00		
Vol.	2	1	15	116	250	120	19	4	2	1					503		
Total	2	5	143	1230	2634	1260	229	27	7	1	0	1	0	0	5539		
Percent	0.0%	0.1%	2.6%	22.2%	47.6%	22.7%	4.1%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 22 MPH  
50th Percentile : 27 MPH  
85th Percentile : 32 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3894  
Percent in Pace : 70.3%  
Number of Vehicles > 30 MPH : 1525  
Percent of Vehicles > 30 MPH : 27.5%  
Mean Speed(Average) : 28 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23

Station ID: 23-1225-094

Antelope Meadows Dr btwn Prickly Pear

Path & Circle Wagons 34.65045, -112.3293

Latitude: 0' 0.0000 Undefined

## Northbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/31/23	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	31	33
01:00	0	0	0	0	1	0	1	1	0	0	0	0	0	0	3	36	42
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	2	1	1	1	0	0	0	0	0	0	5	34	41
06:00	0	0	0	1	8	15	7	0	0	0	0	0	0	0	31	33	36
07:00	0	0	1	3	20	36	5	2	0	0	0	0	0	0	67	32	34
08:00	0	0	3	16	27	28	4	1	0	0	0	0	0	0	79	29	33
09:00	0	0	0	5	41	61	14	0	0	0	0	0	0	0	121	31	34
10:00	0	0	0	13	48	57	12	2	0	0	0	0	0	0	132	31	34
11:00	0	0	0	15	40	84	17	1	0	0	0	0	0	0	157	31	34
12 PM	0	0	1	12	49	102	14	0	0	0	0	0	0	0	178	31	34
13:00	0	0	0	18	44	74	25	1	0	0	0	0	0	0	162	31	35
14:00	0	0	1	11	34	90	30	1	0	0	0	0	0	0	167	32	35
15:00	0	0	0	10	53	82	26	3	2	0	0	0	0	0	176	32	35
16:00	0	0	0	12	46	100	20	3	1	0	0	0	0	0	182	32	34
17:00	0	0	0	21	56	111	34	4	0	0	0	0	0	0	226	32	35
18:00	0	0	0	4	26	68	16	2	0	0	0	0	0	0	116	32	35
19:00	0	0	0	4	30	35	19	1	1	0	0	0	0	0	90	32	36
20:00	0	0	0	1	13	36	7	0	0	0	0	0	0	0	57	32	34
21:00	0	0	0	3	9	28	6	0	0	0	0	0	0	0	46	32	34
22:00	0	0	0	1	3	7	5	2	0	0	0	0	0	0	18	34	39
23:00	0	0	0	1	2	2	2	0	0	0	0	0	0	0	7	32	37
Total	0	0	6	152	553	1019	265	25	4	0	0	0	0	0	2024		
Percent	0.0%	0.0%	0.3%	7.5%	27.3%	50.3%	13.1%	1.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak			08:00	08:00	10:00	11:00	11:00	07:00							11:00		
Vol.			3	16	48	84	17	2							157		
PM Peak			12:00	17:00	17:00	17:00	17:00	15:00							17:00		
Vol.			1	21	56	111	34	4	2						226		
Total	0	0	6	152	553	1019	265	25	4	0	0	0	0	0	2024		
Percent	0.0%	0.0%	0.3%	7.5%	27.3%	50.3%	13.1%	1.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1572  
Percent in Pace : 77.7%  
Number of Vehicles > 25 MPH : 1866  
Percent of Vehicles > 25 MPH : 92.2%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23  
Station ID: 23-1225-094  
Antelope Meadows Dr btwn Prickly Pear  
Path & Circle Wagons 34.65045, -112.3293  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/31/23	0	0	0	1	0	2	1	0	0	0	0	0	0	0	4	32	37
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
02:00	0	0	0	1	0	3	0	0	0	0	0	0	0	0	4	31	34
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	3	2	2	0	0	0	0	0	0	0	7	32	37
06:00	0	0	0	4	15	20	8	1	0	0	0	0	0	0	48	32	36
07:00	0	0	0	4	28	38	10	0	0	0	0	0	0	0	80	31	34
08:00	0	0	0	6	37	34	7	0	0	0	0	0	0	0	84	30	34
09:00	0	0	0	6	45	54	21	1	0	0	0	0	0	0	127	32	35
10:00	0	0	0	9	63	84	10	0	0	0	0	0	0	0	166	31	34
11:00	0	0	0	20	52	68	16	0	0	0	0	0	0	0	156	31	34
12 PM	0	0	0	15	46	86	15	0	0	0	0	0	0	0	162	31	34
13:00	0	0	1	16	36	96	12	1	0	0	0	0	0	0	162	31	34
14:00	0	0	0	8	50	84	24	1	0	0	0	0	0	0	167	32	34
15:00	0	0	3	8	48	89	22	0	0	0	0	0	0	0	170	32	34
16:00	0	0	1	14	56	94	32	0	0	0	0	0	0	0	197	32	35
17:00	0	0	0	17	48	112	31	0	0	0	0	0	0	0	208	32	34
18:00	0	0	0	5	29	84	18	2	0	0	0	0	0	0	138	32	34
19:00	0	0	2	5	18	45	20	1	0	0	0	0	0	0	91	32	36
20:00	0	0	3	5	17	38	15	0	0	0	0	0	0	0	78	32	36
21:00	0	0	0	1	9	16	12	0	0	1	0	0	0	0	39	34	37
22:00	0	0	0	2	7	14	9	0	0	0	0	0	0	0	32	33	37
23:00	0	0	0	1	1	2	5	0	0	0	0	0	0	0	9	34	38
Total	0	0	10	149	608	1065	290	7	0	1	0	0	0	0	2130		
Percent	0.0%	0.0%	0.5%	7.0%	28.5%	50.0%	13.6%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak				11:00	10:00	10:00	09:00	06:00							10:00		
Vol.				20	63	84	21	1							166		
PM Peak			15:00	17:00	16:00	17:00	16:00	18:00		21:00					17:00		
Vol.			3	17	56	112	32	2		1					208		
Total	0	0	10	149	608	1065	290	7	0	1	0	0	0	0	2130		
Percent	0.0%	0.0%	0.5%	7.0%	28.5%	50.0%	13.6%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1673  
Percent in Pace : 78.5%  
Number of Vehicles > 25 MPH : 1971  
Percent of Vehicles > 25 MPH : 92.5%  
Mean Speed(Average) : 32 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 3

Site Code: Wed 05/31/23

Station ID: 23-1225-094

Antelope Meadows Dr btwn Prickly Pear

Path & Circle Wagons 34.65045, -112.3293

Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/31/23	0	0	0	1	1	3	1	0	0	0	0	0	0	0	6	31	35
01:00	0	0	0	1	1	0	1	1	0	0	0	0	0	0	4	33	42
02:00	0	0	0	1	0	4	0	0	0	0	0	0	0	0	5	31	34
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	5	3	3	1	0	0	0	0	0	0	12	33	38
06:00	0	0	0	5	23	35	15	1	0	0	0	0	0	0	79	32	36
07:00	0	0	1	7	48	74	15	2	0	0	0	0	0	0	147	31	34
08:00	0	0	3	22	64	62	11	1	0	0	0	0	0	0	163	30	33
09:00	0	0	0	11	86	115	35	1	0	0	0	0	0	0	248	32	34
10:00	0	0	0	22	111	141	22	2	0	0	0	0	0	0	298	31	34
11:00	0	0	0	35	92	152	33	1	0	0	0	0	0	0	313	31	34
12 PM	0	0	1	27	95	188	29	0	0	0	0	0	0	0	340	31	34
13:00	0	0	1	34	80	170	37	2	0	0	0	0	0	0	324	31	34
14:00	0	0	1	19	84	174	54	2	0	0	0	0	0	0	334	32	35
15:00	0	0	3	18	101	171	48	3	2	0	0	0	0	0	346	32	35
16:00	0	0	1	26	102	194	52	3	1	0	0	0	0	0	379	32	34
17:00	0	0	0	38	104	223	65	4	0	0	0	0	0	0	434	32	35
18:00	0	0	0	9	55	152	34	4	0	0	0	0	0	0	254	32	34
19:00	0	0	2	9	48	80	39	2	1	0	0	0	0	0	181	32	36
20:00	0	0	3	6	30	74	22	0	0	0	0	0	0	0	135	32	35
21:00	0	0	0	4	18	44	18	0	0	1	0	0	0	0	85	33	36
22:00	0	0	0	3	10	21	14	2	0	0	0	0	0	0	50	33	38
23:00	0	0	0	2	3	4	7	0	0	0	0	0	0	0	16	33	38
Total	0	0	16	301	1161	2084	555	32	4	1	0	0	0	0	4154		
Percent	0.0%	0.0%	0.4%	7.2%	27.9%	50.2%	13.4%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak			08:00	11:00	10:00	11:00	09:00	07:00							11:00		
Vol.			3	35	111	152	35	2							313		
PM Peak			15:00	17:00	17:00	17:00	17:00	17:00	15:00	21:00					17:00		
Vol.			3	38	104	223	65	4	2	1					434		
Total	0	0	16	301	1161	2084	555	32	4	1	0	0	0	0	4154		
Percent	0.0%	0.0%	0.4%	7.2%	27.9%	50.2%	13.4%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3245  
Percent in Pace : 78.1%  
Number of Vehicles > 25 MPH : 3837  
Percent of Vehicles > 25 MPH : 92.4%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-007  
Antelope Meadows Dr north of Park View  
Dr 34.655979, -112.329577  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/01/22	0	0	0	0	3	2	0	1	0	0	0	0	0	0	6	32	40
01:00	0	0	0	1	2	2	1	0	0	0	0	0	0	0	6	31	35
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	1	0	0	2	0	1	0	0	0	0	0	4	37	47
05:00	0	0	0	0	0	5	1	0	0	0	0	0	0	0	6	34	35
06:00	0	0	0	3	6	11	2	0	0	0	0	0	0	0	22	31	34
07:00	0	0	0	7	29	17	5	0	0	0	0	0	0	0	58	30	33
08:00	0	0	0	7	40	51	7	0	0	0	0	0	0	0	105	31	34
09:00	0	0	1	7	29	36	4	0	0	0	0	0	0	0	77	30	33
10:00	0	0	0	11	47	54	9	1	0	0	0	0	0	0	122	31	34
11:00	0	0	0	9	74	57	7	0	0	0	0	0	0	0	147	30	33
12 PM	0	0	0	11	63	57	4	0	0	0	0	0	0	0	135	30	33
13:00	0	0	0	10	51	88	23	1	0	0	0	0	0	0	173	32	34
14:00	0	0	1	12	49	66	11	0	0	0	0	0	0	0	139	31	34
15:00	0	0	1	14	87	94	16	0	0	0	0	0	0	0	212	31	34
16:00	0	0	1	11	88	100	12	1	0	0	0	0	0	0	213	31	34
17:00	0	0	0	29	97	89	5	1	0	0	0	0	0	0	221	30	33
18:00	0	0	4	19	57	48	5	0	0	0	0	0	0	0	133	29	33
19:00	0	0	1	10	38	33	2	0	0	0	0	0	0	0	84	29	33
20:00	0	0	0	5	25	27	8	0	0	0	0	0	0	0	65	31	34
21:00	0	0	1	7	26	24	7	0	0	0	0	0	0	0	65	30	34
22:00	0	0	0	0	4	6	3	0	0	0	0	0	0	0	13	33	36
23:00	0	0	0	1	4	6	2	0	1	0	0	0	0	0	14	33	37
Total	0	0	10	175	819	873	136	5	2	0	0	0	0	0	2020		
Percent	0.0%	0.0%	0.5%	8.7%	40.5%	43.2%	6.7%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak			09:00	10:00	11:00	11:00	10:00	00:00	04:00						11:00		
Vol.			1	11	74	57	9	1	1						147		
PM Peak			18:00	17:00	17:00	16:00	13:00	13:00	23:00						17:00		
Vol.			4	29	97	100	23	1	1						221		
Total	0	0	10	175	819	873	136	5	2	0	0	0	0	0	2020		
Percent	0.0%	0.0%	0.5%	8.7%	40.5%	43.2%	6.7%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 36 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1692  
Percent in Pace : 83.8%  
Number of Vehicles > 30 MPH : 1016  
Percent of Vehicles > 30 MPH : 50.3%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-007  
Antelope Meadows Dr north of Park View  
Dr 34.655979, -112.329577  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
12/01/22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
03:00	0	0	0	0	0	1	2	1	0	0	0	0	0	0	4	38	42
04:00	0	0	0	0	2	1	2	3	1	1	0	0	0	0	10	40	47
05:00	0	0	0	0	4	6	13	0	1	0	0	0	0	0	24	35	39
06:00	0	0	3	3	28	39	23	0	1	0	0	0	0	0	97	32	37
07:00	0	0	0	10	27	71	39	9	1	0	0	0	0	0	157	33	38
08:00	0	0	0	14	22	79	27	8	0	0	0	0	0	0	150	33	37
09:00	0	0	0	7	35	76	23	5	1	0	0	0	0	0	147	33	36
10:00	0	0	1	12	53	82	24	1	0	0	0	0	0	0	173	31	34
11:00	0	0	1	6	50	62	21	3	1	0	0	0	0	0	144	32	35
12 PM	0	0	1	9	47	69	27	0	0	0	0	0	0	0	153	32	35
13:00	0	0	0	5	31	73	25	1	0	0	0	0	0	0	135	32	36
14:00	0	0	1	13	35	75	23	4	0	0	0	0	0	0	151	32	35
15:00	0	3	1	20	51	58	28	5	0	0	0	0	0	0	166	31	36
16:00	0	0	2	9	38	57	25	0	0	0	0	0	0	0	131	32	36
17:00	0	0	0	3	29	42	14	3	0	0	0	0	0	0	91	32	36
18:00	0	0	0	9	32	26	9	2	1	0	0	0	0	0	79	31	35
19:00	0	0	0	2	7	11	7	1	1	1	0	0	0	0	30	34	38
20:00	0	0	0	3	4	14	3	1	0	0	0	0	0	0	25	32	35
21:00	0	0	0	2	12	6	3	0	0	0	0	0	0	0	23	30	34
22:00	0	0	0	0	1	2	2	0	0	0	0	0	0	0	5	34	38
23:00	0	0	0	2	1	1	2	0	0	0	0	0	0	0	6	30	37
Total	0	3	10	130	510	851	342	47	8	2	0	0	0	0	1903		
Percent	0.0%	0.2%	0.5%	6.8%	26.8%	44.7%	18.0%	2.5%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak			06:00	08:00	10:00	10:00	07:00	07:00	04:00	04:00					10:00		
Vol.			3	14	53	82	39	9	1	1					173		
PM Peak		15:00	16:00	15:00	15:00	14:00	15:00	15:00	18:00	19:00					15:00		
Vol.		3	2	20	51	75	28	5	1	1					166		
Total	0	3	10	130	510	851	342	47	8	2	0	0	0	0	1903		
Percent	0.0%	0.2%	0.5%	6.8%	26.8%	44.7%	18.0%	2.5%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 36 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1361  
Percent in Pace : 71.5%  
Number of Vehicles > 30 MPH : 1250  
Percent of Vehicles > 30 MPH : 65.7%  
Mean Speed(Average) : 32 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-007  
Antelope Meadows Dr north of Park View  
Dr 34.655979, -112.329577  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
12/01/22	0	0	0	0	3	2	0	1	0	0	0	0	0	0	6	32	40
01:00	0	0	0	2	2	2	1	0	0	0	0	0	0	0	7	29	34
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
03:00	0	0	0	0	0	1	2	1	0	0	0	0	0	0	4	38	42
04:00	0	0	0	1	2	1	4	3	2	1	0	0	0	0	14	39	47
05:00	0	0	0	0	4	11	14	0	1	0	0	0	0	0	30	35	38
06:00	0	0	3	6	34	50	25	0	1	0	0	0	0	0	119	32	36
07:00	0	0	0	17	56	88	44	9	1	0	0	0	0	0	215	32	37
08:00	0	0	0	21	62	130	34	8	0	0	0	0	0	0	255	32	35
09:00	0	0	1	14	64	112	27	5	1	0	0	0	0	0	224	32	34
10:00	0	0	1	23	100	136	33	2	0	0	0	0	0	0	295	31	34
11:00	0	0	1	15	124	119	28	3	1	0	0	0	0	0	291	31	34
12 PM	0	0	1	20	110	126	31	0	0	0	0	0	0	0	288	31	34
13:00	0	0	0	15	82	161	48	2	0	0	0	0	0	0	308	32	35
14:00	0	0	2	25	84	141	34	4	0	0	0	0	0	0	290	31	34
15:00	0	3	2	34	138	152	44	5	0	0	0	0	0	0	378	31	34
16:00	0	0	3	20	126	157	37	1	0	0	0	0	0	0	344	31	34
17:00	0	0	0	32	126	131	19	4	0	0	0	0	0	0	312	30	34
18:00	0	0	4	28	89	74	14	2	1	0	0	0	0	0	212	30	33
19:00	0	0	1	12	45	44	9	1	1	1	0	0	0	0	114	31	34
20:00	0	0	0	8	29	41	11	1	0	0	0	0	0	0	90	31	34
21:00	0	0	1	9	38	30	10	0	0	0	0	0	0	0	88	30	34
22:00	0	0	0	0	5	8	5	0	0	0	0	0	0	0	18	33	37
23:00	0	0	0	3	5	7	4	0	1	0	0	0	0	0	20	32	37
Total	0	3	20	305	1329	1724	478	52	10	2	0	0	0	0	3923		
Percent	0.0%	0.1%	0.5%	7.8%	33.9%	43.9%	12.2%	1.3%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak			06:00	10:00	11:00	10:00	07:00	07:00	04:00	04:00					10:00		
Vol.			3	23	124	136	44	9	2	1					295		
PM Peak		15:00	18:00	15:00	15:00	13:00	13:00	15:00	18:00	19:00					15:00		
Vol.		3	4	34	138	161	48	5	1	1					378		
Total	0	3	20	305	1329	1724	478	52	10	2	0	0	0	0	3923		
Percent	0.0%	0.1%	0.5%	7.8%	33.9%	43.9%	12.2%	1.3%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3053  
Percent in Pace : 77.8%  
Number of Vehicles > 30 MPH : 2266  
Percent of Vehicles > 30 MPH : 57.8%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Wed 05/31/23  
Station ID: 23-1225-092  
Antelope Meadows Dr btwn Shooting Star  
Trail & Dragoon Rd 34.664880, -112.33006  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
05/31/23	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	38	39
01:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	41	43
02:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	33	34
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
05:00	0	0	0	1	3	1	0	0	0	0	0	0	0	0	5	28	31
06:00	0	0	0	1	4	11	11	0	0	0	0	0	0	0	27	34	38
07:00	0	0	1	3	8	30	8	3	0	0	0	0	0	0	53	33	36
08:00	0	0	0	5	11	23	9	3	0	0	0	0	0	0	51	32	37
09:00	0	0	0	2	23	44	11	1	2	0	0	0	0	0	83	33	35
10:00	0	0	0	1	13	44	19	2	1	0	0	0	0	0	80	34	37
11:00	0	0	0	0	15	63	12	5	0	0	0	0	0	0	95	33	36
12 PM	0	0	0	2	21	67	19	1	0	0	0	0	0	0	110	33	35
13:00	0	0	0	3	17	37	33	2	0	1	0	0	0	0	93	34	38
14:00	0	0	1	0	16	51	27	8	0	1	0	0	0	0	104	34	38
15:00	0	0	0	0	29	44	18	3	0	1	0	0	0	0	95	33	37
16:00	0	0	0	2	18	59	26	1	2	0	0	0	0	0	108	34	37
17:00	0	0	0	0	11	56	53	3	1	1	0	0	0	0	125	35	38
18:00	0	0	0	0	8	53	25	1	0	0	0	0	0	0	87	34	37
19:00	0	0	0	2	18	37	11	1	1	0	0	0	0	0	70	33	36
20:00	0	0	0	0	11	18	9	1	0	0	0	0	0	0	39	33	37
21:00	0	0	0	0	3	16	9	2	0	0	0	0	0	0	30	35	38
22:00	0	0	0	0	2	3	4	4	1	0	0	0	0	0	14	38	43
23:00	0	0	0	0	0	4	2	1	0	0	0	0	0	0	7	36	39
Total	0	0	2	23	232	663	309	43	8	4	0	0	0	0	1284		
Percent	0.0%	0.0%	0.2%	1.8%	18.1%	51.6%	24.1%	3.3%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%			
AM Peak			07:00	08:00	09:00	11:00	10:00	11:00	09:00						11:00		
Vol.			1	5	23	63	19	5	2						95		
PM Peak			14:00	13:00	15:00	12:00	17:00	14:00	16:00	13:00					17:00		
Vol.			1	3	29	67	53	8	2	1					125		
Total	0	0	2	23	232	663	309	43	8	4	0	0	0	0	1284		
Percent	0.0%	0.0%	0.2%	1.8%	18.1%	51.6%	24.1%	3.3%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 28 MPH  
50th Percentile : 32 MPH  
85th Percentile : 37 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 972  
Percent in Pace : 75.7%  
Number of Vehicles > 25 MPH : 1259  
Percent of Vehicles > 25 MPH : 98.1%  
Mean Speed(Average) : 34 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23  
Station ID: 23-1225-092  
Antelope Meadows Dr btwn Shooting Star  
Trail & Dragoon Rd 34.664880, -112.33006  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/31/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3	33	37
02:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
04:00	0	0	0	0	1	3	3	4	0	0	0	0	0	0	11	38	42
05:00	0	0	0	1	3	8	11	1	0	0	0	0	0	0	24	35	38
06:00	0	0	0	1	7	20	21	7	1	1	0	0	0	0	58	36	40
07:00	0	0	0	2	15	31	29	12	0	0	0	0	0	0	89	35	39
08:00	0	0	2	2	19	40	22	10	1	0	0	0	0	0	96	34	39
09:00	0	0	0	7	24	39	19	7	2	0	0	0	0	0	98	33	38
10:00	0	0	0	4	31	49	27	7	1	0	0	0	0	0	119	33	38
11:00	0	0	0	1	24	34	17	3	0	0	0	0	0	0	79	33	37
12 PM	0	0	0	7	23	54	15	1	1	0	0	0	0	0	101	32	35
13:00	0	0	0	1	17	40	15	1	0	0	1	0	0	0	75	33	36
14:00	0	0	0	8	30	37	6	5	0	0	0	0	0	0	86	31	34
15:00	0	0	0	4	18	33	19	4	0	0	0	0	0	0	78	33	37
16:00	0	0	0	2	15	25	12	3	1	0	0	0	0	0	58	33	38
17:00	0	0	0	2	15	20	17	2	0	0	0	0	0	0	56	33	38
18:00	0	0	0	1	9	19	12	5	0	0	0	0	0	0	46	34	39
19:00	0	0	0	2	7	8	4	0	1	0	0	0	0	0	22	32	37
20:00	0	0	0	4	2	5	7	1	1	0	0	0	0	0	20	33	39
21:00	0	0	0	1	3	4	1	2	0	0	0	0	0	0	11	33	40
22:00	0	0	0	0	2	2	3	0	0	0	0	0	0	0	7	34	38
23:00	0	0	0	0	1	1	0	0	0	1	0	0	0	0	3	38	52
Total	0	0	2	50	267	474	262	75	9	2	1	0	0	0	1142		
Percent	0.0%	0.0%	0.2%	4.4%	23.4%	41.5%	22.9%	6.6%	0.8%	0.2%	0.1%	0.0%	0.0%	0.0%			
AM Peak			08:00	09:00	10:00	10:00	07:00	07:00	09:00	06:00					10:00		
Vol.			2	7	31	49	29	12	2	1					119		
PM Peak				14:00	14:00	12:00	15:00	14:00	12:00	23:00	13:00				12:00		
Vol.				8	30	54	19	5	1	1	1				101		
Total	0	0	2	50	267	474	262	75	9	2	1	0	0	0	1142		
Percent	0.0%	0.0%	0.2%	4.4%	23.4%	41.5%	22.9%	6.6%	0.8%	0.2%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 27 MPH  
50th Percentile : 32 MPH  
85th Percentile : 38 MPH  
95th Percentile : 41 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 741  
Percent in Pace : 64.9%  
Number of Vehicles > 25 MPH : 1090  
Percent of Vehicles > 25 MPH : 95.4%  
Mean Speed(Average) : 33 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23  
Station ID: 23-1225-092  
Antelope Meadows Dr btwn Shooting Star  
Trail & Dragoon Rd 34.664880, -112.33006  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/31/23	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	38	39
01:00	0	0	0	0	1	1	2	1	0	0	0	0	0	0	5	36	41
02:00	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3	35	37
03:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	31	33
04:00	0	0	0	1	1	3	3	4	0	0	0	0	0	0	12	36	42
05:00	0	0	0	2	6	9	11	1	0	0	0	0	0	0	29	34	38
06:00	0	0	0	2	11	31	32	7	1	1	0	0	0	0	85	35	39
07:00	0	0	1	5	23	61	37	15	0	0	0	0	0	0	142	34	39
08:00	0	0	2	7	30	63	31	13	1	0	0	0	0	0	147	33	38
09:00	0	0	0	9	47	83	30	8	4	0	0	0	0	0	181	33	37
10:00	0	0	0	5	44	93	46	9	2	0	0	0	0	0	199	33	37
11:00	0	0	0	1	39	97	29	8	0	0	0	0	0	0	174	33	36
12 PM	0	0	0	9	44	121	34	2	1	0	0	0	0	0	211	33	35
13:00	0	0	0	4	34	77	48	3	0	1	1	0	0	0	168	34	37
14:00	0	0	1	8	46	88	33	13	0	1	0	0	0	0	190	33	37
15:00	0	0	0	4	47	77	37	7	0	1	0	0	0	0	173	33	37
16:00	0	0	0	4	33	84	38	4	3	0	0	0	0	0	166	33	37
17:00	0	0	0	2	26	76	70	5	1	1	0	0	0	0	181	35	38
18:00	0	0	0	1	17	72	37	6	0	0	0	0	0	0	133	34	38
19:00	0	0	0	4	25	45	15	1	2	0	0	0	0	0	92	32	36
20:00	0	0	0	4	13	23	16	2	1	0	0	0	0	0	59	33	38
21:00	0	0	0	1	6	20	10	4	0	0	0	0	0	0	41	34	38
22:00	0	0	0	0	4	5	7	4	1	0	0	0	0	0	21	36	42
23:00	0	0	0	0	1	5	2	1	0	1	0	0	0	0	10	37	42
Total	0	0	4	73	499	1137	571	118	17	6	1	0	0	0	2426		
Percent	0.0%	0.0%	0.2%	3.0%	20.6%	46.9%	23.5%	4.9%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%			
AM Peak			08:00	09:00	09:00	11:00	10:00	07:00	09:00	06:00					10:00		
Vol.			2	9	47	97	46	15	4	1					199		
PM Peak			14:00	12:00	15:00	12:00	17:00	14:00	16:00	13:00	13:00				12:00		
Vol.			1	9	47	121	70	13	3	1	1				211		
Total	0	0	4	73	499	1137	571	118	17	6	1	0	0	0	2426		
Percent	0.0%	0.0%	0.2%	3.0%	20.6%	46.9%	23.5%	4.9%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 27 MPH  
50th Percentile : 32 MPH  
85th Percentile : 38 MPH  
95th Percentile : 40 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 1708  
Percent in Pace : 70.4%  
Number of Vehicles > 25 MPH : 2349  
Percent of Vehicles > 25 MPH : 96.8%  
Mean Speed(Average) : 33 MPH

## Crash Summary

### Antelope Meadows Drive - Coyote Springs Road to Town Limits

Data Period: 2019 - 2021

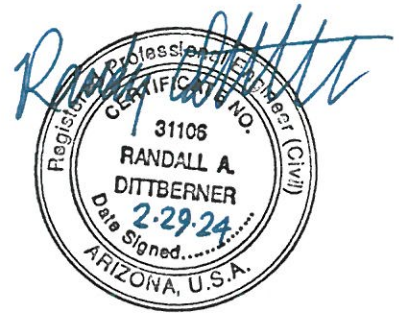
Total Crashes: 5

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3522561	5/4/2019	12:27 PM	2019	Antelope Meadows Drive	Clear Sky Trail	0	No Injury	Left Turn	Daylight	2	0	0	
2	3531284	6/6/2019	4:07 PM	2019	Lucky Shoe Way	Antelope Meadows Drive	0	Serious Injury	Single Vehicle	Daylight	1	1	0	Yes
3	3607222	12/28/2019	1:05 PM	2019	Antelope Meadows Drive	Lucky Shoe Way	10	Possible Injury	Other	Daylight	2	1	0	Yes
4	3827883	10/26/2021	2:22 PM	2021	Pronghorn Ranch Parkway	Antelope Meadows Drive	27	No Injury	Rear-end	Daylight	2	0	0	Yes
5	3795760	7/17/2021	7:21 PM	2021	Antelope Meadows Drive	Pronghorn Ranch Parkway	0	Minor Injury	Angle	Dusk	2	1	0	

# SPEED LIMIT STUDY

Prescott Valley, Arizona

February 2024



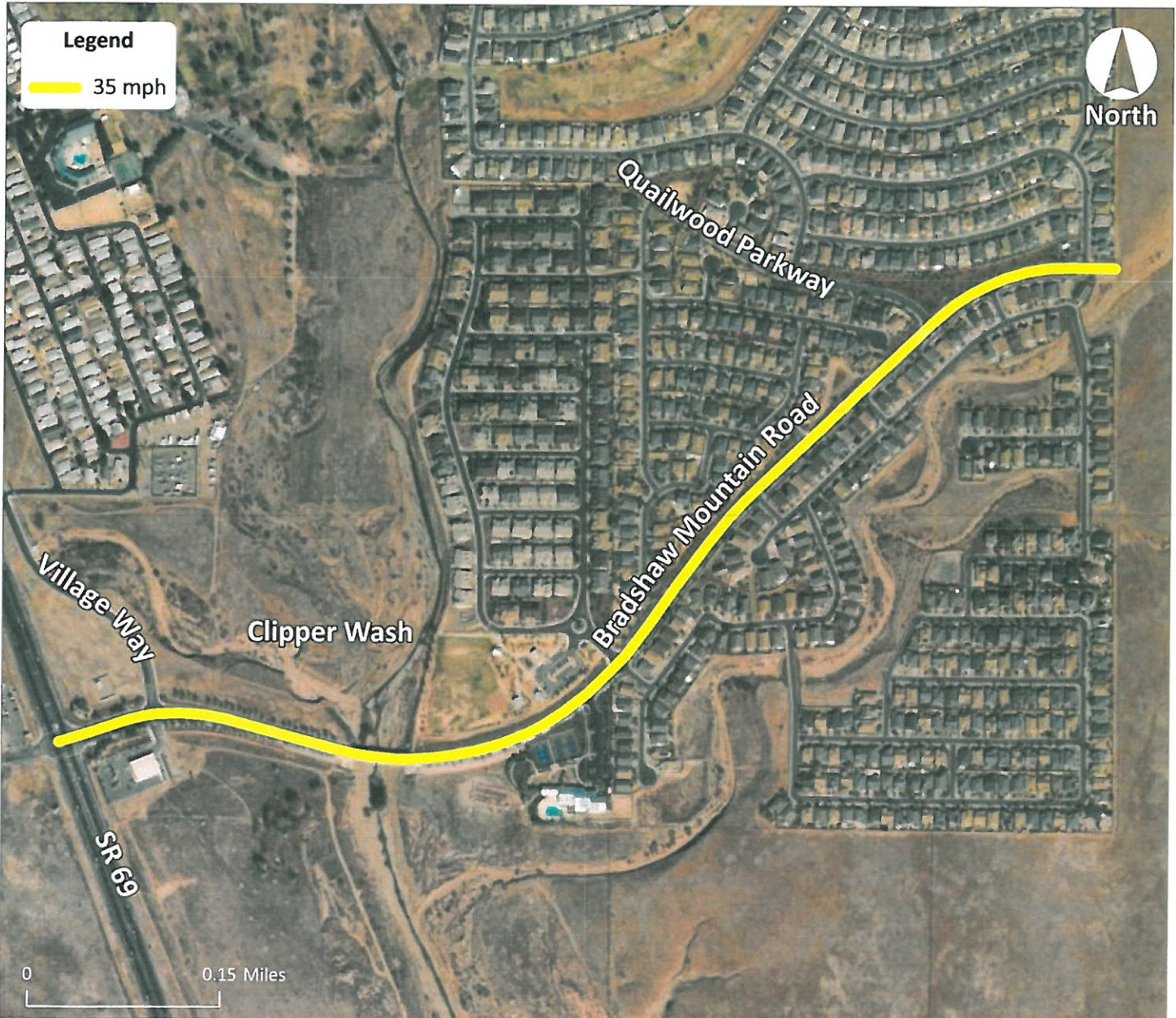
**Segment Studied:** Bradshaw Mountain Road

**From:** State Route 69

**To:** Eastern Terminus

**Length:** 1 mile

## Study Area Map - Existing Speed Limits



**Introduction:**

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

**Roadway Characteristics:**

- Functional Classification: collector
- Existing Speed Limit: 35 mph
- One lane in each direction mostly separated by a two-way left-turn lane
- Pavement width varies from about 30 to 70 feet to accommodate left- and right-turn lanes
- Marked with a double-yellow centerline starting from 400 feet west of Vidal Street and terminating at State Route 69
- Moderate horizontal curvature
- Bridge over Clipper Wash about 1,150 feet east of State Route 69
- Guardrail and concrete barrier along the bridge
- Curb and gutter on both sides of the roadway except on the north side between Village Way and the bridge
- Sidewalk on the south side of the roadway, buffer-separated from the roadway
- Street lighting on both sides of the roadway
- Bike lanes along most of the roadway
- Uncontrolled crosswalks marked at Vidal Street and Quailwood Parkway
- Pedestrian activity was observed, mostly limited to the sidewalk, but some pedestrians were also observed in the bike lanes
- East end terminates in dead end; will likely be extended with future development

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Thursday, December 1, 2022, and Wednesday, May 31, 2023, at the following locations:

- Site A: Bradshaw Mountain Road, about 860 feet east of State Route 69
- Site B: Bradshaw Mountain Road, about 580 feet west of Quailwood Parkway



**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b>Site A: 860 feet east of State Route 69</b>			
Eastbound	32 mph	34 mph	2,514
Westbound	44 mph	49 mph	2,438
Both Directions	38 mph	46 mph	4,952
<b>Site B: 580 feet west of Quailwood Parkway</b>			
Eastbound	35 mph	39 mph	1,276
Westbound	35 mph	39 mph	1,245
Both Directions	35 mph	39 mph	2,521

- Average speeds ranged from 35 to 38 mph, at are slightly above the existing 35-mph speed limit.
- 85th-percentile speeds averaged 39 to 46 mph.
- At Site A, there is a significant difference in speeds by direction. Eastbound (uphill) speeds are considerably slower than westbound (downhill) speeds. The difference by direction is 12 mph in average speed and 15 mph in 85th-percentile speed.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	3	3	0	6	2
2020	1	2	0	3	0
2021	4	0	0	4	2
<b>Total</b>	<b>8</b>	<b>5</b>	<b>0</b>	<b>13</b>	<b>4</b>

- 13 crashes were reported, an average of about 4.3 crashes per year.
- 4 minor injury crashes and one possible injury crash were reported.
- One of the 4 minor injury crashes was reported as a speed-related crash.
- Of the 13 crashes, 10 occurred at the SR 69 intersection; these crashes are not generally relevant to the speed limit on Bradshaw Mountain Road. Of the 5 injury crashes, 3 occurred at the SR 69 intersection.
- Excluding the SR 69 crashes, the crash rate along the corridor is 73 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is also 73 per 100 MVM.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM. However, the critical injury rate is 145 per 100 MVM.
- The crash rate along the corridor is 68% lower than the average rate on similar roadways. The injury rate along the corridor is 11% higher than the average injury rate on similar roadways, but it is about 50% lower than the critical injury rate on similar roadways.

### **Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R2 – Residential (Multiple Dwelling Units), and C2 – Commercial (General Sales & Services).
- No single-family homes front the street.
- A Family Dollar store, Quailwood Community Center, and Quailwood Park are located along the roadway.

### **Speed Limit Recommendation:**

Retain the existing 35-mph speed limit, for the following reasons:

- The crash rate is below the average of similar roadways. The injury rate is slightly above the average of similar roadways but well below the critical injury rate of similar roadways.
- Actual travel speeds indicate that most drivers are comfortable traveling at or above the existing 35-mph speed limit. Reducing the speed limit would not be consistent with drivers' speed choices.
- When considering only the 85th-percentile speed, it might be justifiable to increase the speed limit to 40 mph. However, considering the presence of pedestrians and pedestrian generators, 35 mph is more appropriate for conditions.

### **Recommended Action Items:**

- Consider assessing the need for crosswalk markings at the existing uncontrolled crosswalks across Bradshaw Mountain Road. Any marked crosswalks that remain should use high-visibility markings, according to guidance in the 11th Edition of the *Manual on Uniform Traffic Control Devices* (MUTCD).<sup>1</sup> (The existing crosswalk across Bradshaw Mountain Road at Vidal Street does not use high-visibility markings.)
- After the roadway is next resurfaced, consider restriping to designate a westbound left-turn lane at Village Way (into the Family Dollar store).
- On the eastbound approach to Villa Street, consider removing the SHARE THE ROAD plaque mounted under the BIKE LANE ENDS sign. This SHARE THE ROAD plaque is not in the correct application (below

---

<sup>1</sup> See Sec. 3C.04, para. 1. The 11th Edition of the MUTCD is not applicable in Prescott Valley until it is formally adopted by the State of Arizona. The deadline for state adoption is January 18, 2026.

a warning sign), and the SHARE THE ROAD plaque has been eliminated entirely from the 11th Edition of the MUTCD.

- Consider the following improvements to end-of-roadway signing at the eastern terminus:
  - A DEAD END warning sign at Villa Street. Because of overhanging tree branches, it might be preferable to install this sign slightly upstream of Villa Street, in advance of the trees.
  - A ROAD ENDS warning sign with a supplementary distance plaque, about 500 feet upstream of Villa Street
  - One or more additional end-of-roadway object markers to supplement the two existing markers. One marker could be banded to the existing metal gate. To the right of the gate, it would be possible to install markers on a permanent wooden barricade rather than posts if the markers have a history of unauthorized removal.



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 12/01/22  
Station ID: 22-1620-046  
Bradshaw Mountain Rd east of AZ-69  
34.547276, -112.247211  
Latitude: 0' 0.0000 Undefined

Eastbound																			
Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Average		85th		
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71	Total	(Mean)	Percent		
12/01/22	0	0	0	1	2	3	3	0	0	0	0	0	0	0	9	32	37		
01:00	0	0	0	0	2	1	1	0	0	0	0	0	0	0	4	32	37		
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29		
03:00	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3	35	37		
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
05:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3	31	33		
06:00	0	0	0	4	11	11	6	0	0	0	0	0	0	0	32	31	36		
07:00	0	1	0	3	24	41	8	0	0	0	0	0	0	0	77	31	34		
08:00	0	0	0	5	32	67	14	0	0	0	0	0	0	0	118	32	34		
09:00	0	0	0	4	36	39	16	1	0	0	0	0	0	0	96	32	35		
10:00	0	0	1	13	21	75	18	1	0	0	0	0	0	0	129	32	34		
11:00	0	0	0	10	47	74	23	3	0	0	0	0	0	0	157	32	35		
12 PM	0	0	0	11	49	103	25	1	0	0	0	0	0	0	189	32	34		
13:00	0	0	2	14	71	101	29	2	0	0	0	0	0	0	219	31	34		
14:00	0	0	0	9	56	143	22	2	0	0	0	0	0	0	232	32	34		
15:00	0	0	0	7	80	134	33	1	0	0	0	0	0	0	255	32	34		
16:00	0	0	0	6	91	128	31	1	0	0	0	0	0	0	257	32	34		
17:00	0	0	0	9	83	157	32	1	0	0	0	0	0	0	282	32	34		
18:00	0	0	0	0	25	116	23	1	0	0	0	0	0	0	165	33	34		
19:00	0	0	0	2	12	66	23	0	0	0	0	0	0	0	103	33	36		
20:00	0	0	0	0	10	46	18	2	0	0	0	0	0	0	76	34	37		
21:00	0	0	0	2	12	31	13	1	0	0	0	0	0	0	59	33	36		
22:00	0	0	0	0	3	19	6	0	0	0	0	0	0	0	28	34	36		
23:00	0	0	0	0	7	8	5	0	0	0	0	0	0	0	20	33	37		
Total	0	1	3	100	676	1367	350	17	0	0	0	0	0	0	2514				
Percent	0.0%	0.0%	0.1%	4.0%	26.9%	54.4%	13.9%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%					
AM Peak		07:00	10:00	10:00	11:00	10:00	11:00	11:00							11:00				
Vol.		1	1	13	47	75	23	3							157				
PM Peak			13:00	13:00	16:00	17:00	15:00	13:00							17:00				
Vol.			2	14	91	157	33	2							282				
Total	0	1	3	100	676	1367	350	17	0	0	0	0	0	0	2514				
Percent	0.0%	0.0%	0.1%	4.0%	26.9%	54.4%	13.9%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%					

15th Percentile : 27 MPH  
50th Percentile : 31 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2043  
Percent in Pace : 81.3%  
Number of Vehicles > 35 MPH : 367  
Percent of Vehicles > 35 MPH : 14.6%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-046  
Bradshaw Mountain Rd east of AZ-69  
34.547276, -112.247211  
Latitude: 0' 0.0000 Undefined

## Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
12/01/22	0	0	0	0	0	0	0	1	1	0	1	0	0	0	3	50	57
01:00	0	0	0	0	0	0	2	1	1	2	1	0	0	0	7	47	54
02:00	0	0	0	0	0	0	0	0	2	0	1	0	0	0	3	51	57
03:00	0	0	0	0	0	1	0	2	4	2	0	0	0	0	9	46	51
04:00	0	0	0	0	0	1	4	8	2	5	3	1	0	0	24	47	55
05:00	0	0	0	0	2	0	2	10	20	12	4	1	0	0	51	48	53
06:00	0	0	0	0	2	3	18	29	33	24	6	2	0	0	117	46	53
07:00	0	0	0	0	2	6	44	91	86	35	10	0	1	0	275	45	50
08:00	0	0	0	2	4	6	29	65	45	19	6	0	0	0	176	44	49
09:00	0	0	0	0	2	9	35	50	43	17	5	0	0	0	161	44	49
10:00	0	0	0	0	7	15	38	60	42	22	2	1	0	0	187	43	49
11:00	0	0	1	1	6	16	33	72	27	13	7	2	0	0	178	43	49
12 PM	0	0	0	5	8	13	32	63	44	17	3	1	0	0	186	43	49
13:00	0	0	0	3	7	18	25	71	50	19	3	0	2	0	198	43	49
14:00	0	1	1	0	4	18	36	58	43	14	7	1	0	0	183	43	49
15:00	0	0	0	3	11	12	50	56	35	14	3	0	0	0	184	42	48
16:00	0	0	0	5	11	21	22	40	30	19	2	0	0	0	150	42	49
17:00	0	0	0	1	8	11	31	49	27	9	6	0	0	0	142	42	48
18:00	0	0	0	1	3	6	21	25	13	7	2	0	0	0	78	42	48
19:00	0	0	0	0	1	11	13	23	11	7	0	0	0	0	66	42	48
20:00	0	0	0	0	0	3	4	8	7	4	0	0	0	0	26	44	50
21:00	0	0	0	0	0	1	1	8	5	0	0	0	0	0	15	44	47
22:00	0	0	1	0	0	1	2	4	0	3	0	0	0	0	11	42	52
23:00	0	0	0	0	0	0	1	4	2	0	1	0	0	0	8	46	49
Total	0	1	3	21	78	172	443	798	573	264	73	9	3	0	2438		
Percent	0.0%	0.0%	0.1%	0.9%	3.2%	7.1%	18.2%	32.7%	23.5%	10.8%	3.0%	0.4%	0.1%	0.0%			
AM Peak			11:00	08:00	10:00	11:00	07:00	07:00	07:00	07:00	07:00	06:00	07:00		07:00		
Vol.			1	2	7	16	44	91	86	35	10	2	1		275		
PM Peak		14:00	14:00	12:00	15:00	16:00	15:00	13:00	13:00	13:00	14:00	12:00	13:00		13:00		
Vol.		1	1	5	11	21	50	71	50	19	7	1	2		198		
Total	0	1	3	21	78	172	443	798	573	264	73	9	3	0	2438		
Percent	0.0%	0.0%	0.1%	0.9%	3.2%	7.1%	18.2%	32.7%	23.5%	10.8%	3.0%	0.4%	0.1%	0.0%			

15th Percentile : 36 MPH  
50th Percentile : 43 MPH  
85th Percentile : 49 MPH  
95th Percentile : 54 MPH

Stats  
10 MPH Pace Speed : 41-50 MPH  
Number in Pace : 1371  
Percent in Pace : 56.2%  
Number of Vehicles > 35 MPH : 2163  
Percent of Vehicles > 35 MPH : 88.7%  
Mean Speed(Average) : 44 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-046  
Bradshaw Mountain Rd east of AZ-69  
34.547276, -112.247211  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
12/01/22	0	0	0	1	2	3	3	1	1	0	1	0	0	0	12	37	45
01:00	0	0	0	0	2	1	3	1	1	2	1	0	0	0	11	42	53
02:00	0	0	0	0	1	0	0	0	2	0	1	0	0	0	4	45	57
03:00	0	0	0	0	0	3	1	2	4	2	0	0	0	0	12	43	50
04:00	0	0	0	0	0	1	4	8	2	5	3	1	0	0	24	47	55
05:00	0	0	0	0	3	2	2	10	20	12	4	1	0	0	54	47	53
06:00	0	0	0	4	13	14	24	29	33	24	6	2	0	0	149	43	52
07:00	0	1	0	3	26	47	52	91	86	35	10	0	1	0	352	42	49
08:00	0	0	0	7	36	73	43	65	45	19	6	0	0	0	294	39	47
09:00	0	0	0	4	38	48	51	51	43	17	5	0	0	0	257	39	48
10:00	0	0	1	13	28	90	56	61	42	22	2	1	0	0	316	39	47
11:00	0	0	1	11	53	90	56	75	27	13	7	2	0	0	335	38	44
12 PM	0	0	0	16	57	116	57	64	44	17	3	1	0	0	375	37	45
13:00	0	0	2	17	78	119	54	73	50	19	3	0	2	0	417	37	46
14:00	0	1	1	9	60	161	58	60	43	14	7	1	0	0	415	37	45
15:00	0	0	0	10	91	146	83	57	35	14	3	0	0	0	439	36	43
16:00	0	0	0	11	102	149	53	41	30	19	2	0	0	0	407	35	43
17:00	0	0	0	10	91	168	63	50	27	9	6	0	0	0	424	35	42
18:00	0	0	0	1	28	122	44	26	13	7	2	0	0	0	243	36	42
19:00	0	0	0	2	13	77	36	23	11	7	0	0	0	0	169	37	43
20:00	0	0	0	0	10	49	22	10	7	4	0	0	0	0	102	36	42
21:00	0	0	0	2	12	32	14	9	5	0	0	0	0	0	74	35	41
22:00	0	0	1	0	3	20	8	4	0	3	0	0	0	0	39	36	41
23:00	0	0	0	0	7	8	6	4	2	0	1	0	0	0	28	36	43
Total	0	2	6	121	754	1539	793	815	573	264	73	9	3	0	4952		
Percent	0.0%	0.0%	0.1%	2.4%	15.2%	31.1%	16.0%	16.5%	11.6%	5.3%	1.5%	0.2%	0.1%	0.0%			
AM Peak		07:00	10:00	10:00	11:00	10:00	10:00	07:00	07:00	07:00	07:00	06:00	07:00		07:00		
Vol.		1	1	13	53	90	56	91	86	35	10	2	1		352		
PM Peak		14:00	13:00	13:00	16:00	17:00	15:00	13:00	13:00	13:00	14:00	12:00	13:00		15:00		
Vol.		1	2	17	102	168	83	73	50	19	7	1	2		439		
Total	0	2	6	121	754	1539	793	815	573	264	73	9	3	0	4952		
Percent	0.0%	0.0%	0.1%	2.4%	15.2%	31.1%	16.0%	16.5%	11.6%	5.3%	1.5%	0.2%	0.1%	0.0%			

15th Percentile : 29 MPH  
50th Percentile : 35 MPH  
85th Percentile : 46 MPH  
95th Percentile : 51 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 2332  
Percent in Pace : 47.1%  
Number of Vehicles > 35 MPH : 2530  
Percent of Vehicles > 35 MPH : 51.1%  
Mean Speed(Average) : 38 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Wed 05/31/23  
Station ID: 23-1225-070  
Bradshaw Mountain Rd btwn Escobar St &  
Tirado St 34.550766, -112.239444  
Latitude: 0' 0.0000 Undefined

Eastbound																
Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71	Total	Percent
05/31/23	0	0	0	0	0	1	1	1	0	0	0	0	0	0	3	42
01:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2	38
02:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3	33
03:00	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	48
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
05:00	0	0	0	0	1	2	0	2	0	0	0	0	0	0	5	43
06:00	0	0	0	0	2	2	6	1	0	0	0	0	0	0	11	39
07:00	1	0	1	1	1	7	4	2	1	0	0	0	0	0	18	40
08:00	1	0	0	2	5	19	9	3	0	0	0	0	0	0	39	38
09:00	0	0	0	1	10	27	14	4	0	0	0	0	0	0	56	38
10:00	0	0	0	0	9	34	14	4	2	0	0	0	1	0	64	39
11:00	0	0	0	1	13	36	37	6	0	0	0	0	0	0	93	38
12 PM	0	0	0	9	9	54	31	7	0	0	0	0	0	0	110	38
13:00	1	0	1	3	10	33	34	10	1	0	0	0	0	0	93	39
14:00	0	0	1	2	3	36	37	8	3	0	0	0	0	0	90	39
15:00	0	0	0	3	7	57	33	15	1	0	0	0	0	0	116	39
16:00	0	0	0	2	9	39	53	19	1	0	0	0	0	0	123	40
17:00	0	0	0	2	14	56	64	10	1	0	0	0	0	0	147	39
18:00	0	0	0	1	14	49	44	2	1	1	0	0	0	0	112	38
19:00	0	0	0	2	5	29	30	6	2	0	0	0	0	0	74	39
20:00	0	0	0	1	6	27	21	3	0	0	0	0	0	0	58	38
21:00	0	0	0	2	4	13	15	1	0	0	0	0	0	0	35	38
22:00	0	0	0	0	5	1	3	1	1	0	0	0	0	0	11	41
23:00	0	0	0	1	2	2	2	1	2	0	0	1	0	0	11	48
Total	3	0	3	33	131	526	453	107	17	1	0	1	1	0	1276	
Percent	0.2%	0.0%	0.2%	2.6%	10.3%	41.2%	35.5%	8.4%	1.3%	0.1%	0.0%	0.1%	0.1%	0.0%		
AM Peak	07:00		07:00	08:00	11:00	11:00	11:00	11:00	10:00				10:00		11:00	
Vol.	1		1	2	13	36	37	6	2				1		93	
PM Peak	13:00		13:00	12:00	17:00	15:00	17:00	16:00	14:00	18:00		23:00			17:00	
Vol.	1		1	9	14	57	64	19	3	1		1			147	
Total	3	0	3	33	131	526	453	107	17	1	0	1	1	0	1276	
Percent	0.2%	0.0%	0.2%	2.6%	10.3%	41.2%	35.5%	8.4%	1.3%	0.1%	0.0%	0.1%	0.1%	0.0%		

15th Percentile : 30 MPH  
50th Percentile : 34 MPH  
85th Percentile : 39 MPH  
95th Percentile : 42 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 979  
Percent in Pace : 76.7%  
Number of Vehicles > 35 MPH : 580  
Percent of Vehicles > 35 MPH : 45.5%  
Mean Speed(Average) : 35 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23  
Station ID: 23-1225-070  
Bradshaw Mountain Rd btwn Escobar St &  
Tirado St 34.550766, -112.239444  
Latitude: 0' 0.0000 Undefined

## Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/31/23	0	0	0	0	0	1	2	1	0	0	0	0	0	0	4	38	42
01:00	0	0	0	1	0	2	1	1	1	0	0	0	0	0	6	36	45
02:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	41	43
03:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	48	49
04:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	36	38
05:00	0	0	0	1	2	4	2	0	0	0	0	0	0	0	9	32	36
06:00	0	0	0	0	4	3	7	1	0	0	0	0	0	0	15	35	39
07:00	0	0	0	3	3	5	10	3	0	0	0	0	0	0	24	34	39
08:00	0	0	0	2	1	11	10	5	0	0	0	0	0	0	29	36	40
09:00	0	0	0	3	12	22	20	3	0	0	0	0	0	0	60	34	38
10:00	0	1	0	2	8	45	26	3	0	0	0	0	0	0	85	34	38
11:00	0	0	0	2	9	34	23	6	1	0	0	0	0	0	75	35	39
12 PM	0	0	2	2	8	42	31	8	1	0	0	0	0	0	94	35	39
13:00	0	0	0	1	9	29	36	8	1	0	0	0	0	0	84	36	39
14:00	0	0	0	0	11	47	46	13	0	0	0	0	0	0	117	36	39
15:00	0	0	0	0	11	53	42	12	1	0	0	0	0	0	119	35	39
16:00	3	0	0	3	8	44	57	8	0	0	0	0	0	0	123	35	39
17:00	2	0	0	0	8	37	48	17	0	0	0	0	0	0	112	36	40
18:00	0	0	0	0	6	46	39	10	2	0	1	0	0	0	104	36	39
19:00	0	0	1	0	9	34	25	8	1	0	0	0	0	0	78	35	39
20:00	0	0	0	2	11	23	10	1	0	0	0	0	0	0	47	33	36
21:00	0	0	0	0	1	7	10	3	0	1	0	0	0	0	22	37	41
22:00	0	0	0	0	2	15	4	2	1	0	1	0	0	0	25	36	40
23:00	0	0	0	1	1	3	3	0	0	0	0	0	0	0	8	33	38
Total	5	1	3	23	124	508	454	114	10	1	2	0	0	0	1245		
Percent	0.4%	0.1%	0.2%	1.8%	10.0%	40.8%	36.5%	9.2%	0.8%	0.1%	0.2%	0.0%	0.0%	0.0%			
AM Peak		10:00		07:00	09:00	10:00	10:00	11:00	01:00						10:00		
Vol.		1		3	12	45	26	6	1						85		
PM Peak	16:00		12:00	16:00	14:00	15:00	16:00	17:00	18:00	21:00	18:00				16:00		
Vol.	3		2	3	11	53	57	17	2	1	1				123		
Total	5	1	3	23	124	508	454	114	10	1	2	0	0	0	1245		
Percent	0.4%	0.1%	0.2%	1.8%	10.0%	40.8%	36.5%	9.2%	0.8%	0.1%	0.2%	0.0%	0.0%	0.0%			

15th Percentile : 30 MPH  
50th Percentile : 34 MPH  
85th Percentile : 39 MPH  
95th Percentile : 42 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 962  
Percent in Pace : 77.3%  
Number of Vehicles > 35 MPH : 581  
Percent of Vehicles > 35 MPH : 46.7%  
Mean Speed(Average) : 35 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23  
Station ID: 23-1225-070  
Bradshaw Mountain Rd btwn Escobar St &  
Tirado St 34.550766, -112.239444  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/31/23	0	0	0	0	0	2	3	2	0	0	0	0	0	0	7	38	42
01:00	0	0	0	1	1	2	2	1	1	0	0	0	0	0	8	36	43
02:00	0	0	0	0	1	2	1	1	0	0	0	0	0	0	5	35	41
03:00	0	0	0	0	0	0	0	1	2	0	0	0	0	0	3	46	48
04:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	36	38
05:00	0	0	0	1	3	6	2	2	0	0	0	0	0	0	14	33	39
06:00	0	0	0	0	6	5	13	2	0	0	0	0	0	0	26	35	39
07:00	1	0	1	4	4	12	14	5	1	0	0	0	0	0	42	34	39
08:00	1	0	0	4	6	30	19	8	0	0	0	0	0	0	68	34	39
09:00	0	0	0	4	22	49	34	7	0	0	0	0	0	0	116	34	38
10:00	0	1	0	2	17	79	40	7	2	0	0	0	1	0	149	34	38
11:00	0	0	0	3	22	70	60	12	1	0	0	0	0	0	168	35	38
12 PM	0	0	2	11	17	96	62	15	1	0	0	0	0	0	204	34	38
13:00	1	0	1	4	19	62	70	18	2	0	0	0	0	0	177	35	39
14:00	0	0	1	2	14	83	83	21	3	0	0	0	0	0	207	36	39
15:00	0	0	0	3	18	110	75	27	2	0	0	0	0	0	235	35	39
16:00	3	0	0	5	17	83	110	27	1	0	0	0	0	0	246	36	39
17:00	2	0	0	2	22	93	112	27	1	0	0	0	0	0	259	36	39
18:00	0	0	0	1	20	95	83	12	3	1	1	0	0	0	216	35	39
19:00	0	0	1	2	14	63	55	14	3	0	0	0	0	0	152	35	39
20:00	0	0	0	3	17	50	31	4	0	0	0	0	0	0	105	34	38
21:00	0	0	0	2	5	20	25	4	0	1	0	0	0	0	57	35	39
22:00	0	0	0	0	7	16	7	3	2	0	1	0	0	0	36	35	41
23:00	0	0	0	2	3	5	5	1	2	0	0	1	0	0	19	36	45
Total	8	1	6	56	255	1034	907	221	27	2	2	1	1	0	2521		
Percent	0.3%	0.0%	0.2%	2.2%	10.1%	41.0%	36.0%	8.8%	1.1%	0.1%	0.1%	0.0%	0.0%	0.0%			
AM Peak	07:00	10:00	07:00	07:00	09:00	10:00	11:00	11:00	03:00				10:00		11:00		
Vol.	1	1	1	4	22	79	60	12	2				1		168		
PM Peak	16:00		12:00	12:00	17:00	15:00	17:00	15:00	14:00	18:00	18:00	23:00			17:00		
Vol.	3		2	11	22	110	112	27	3	1	1	1			259		
Total	8	1	6	56	255	1034	907	221	27	2	2	1	1	0	2521		
Percent	0.3%	0.0%	0.2%	2.2%	10.1%	41.0%	36.0%	8.8%	1.1%	0.1%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 30 MPH  
50th Percentile : 34 MPH  
85th Percentile : 39 MPH  
95th Percentile : 42 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 1942  
Percent in Pace : 77.0%  
Number of Vehicles > 35 MPH : 1161  
Percent of Vehicles > 35 MPH : 46.1%  
Mean Speed(Average) : 35 MPH

## Crash Summary

### Bradshaw Mountain Road - SR 69 to Eastern Terminus

Data Period: 2019 - 2021

Total Crashes: 13

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3565244	9/13/2019	3:20 PM	2019	SR-69	Bradshaw Mountain Road	20	Possible Injury	Rear-end	Daylight	2	1	0	
2	3484975	2/16/2019	11:48 AM	2019	SR-69	Bradshaw Mountain Road	15	No Injury	Rear-end	Daylight	2	0	0	
3	3579174	11/4/2019	7:36 AM	2019	SR-69	Bradshaw Mountain Road	0	Minor Injury	Angle	Daylight	2	3	0	
4	3510567	4/22/2019	12:14 PM	2019	Bradshaw Mountain Road	SR-69	10	No Injury	Rear-end	Dawn	2	0	0	Yes
5	3592815	11/29/2019	9:32 PM	2019	Bradshaw Mountain Road	Vidal Street	900	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	
6	3547618	7/25/2019	11:24 AM	2019	Bradshaw Mountain Road	Vidal Street	-70	Minor Injury	Single Vehicle	Daylight	1	1	0	Yes
7	3631880	2/29/2020	5:16 PM	2020	SR-69	Bradshaw Mountain Road	0	Minor Injury	Angle	Daylight	2	1	0	
8	3644930	5/1/2020	10:42 AM	2020	Bradshaw Mountain Road	SR-69	15	No Injury	Angle	Daylight	2	0	0	
9	3700676	11/6/2020	1:39 PM	2020	Bradshaw Mountain Road	Vidal Street	0	Minor Injury	Left Turn	Daylight	2	1	0	
10	3777794	5/20/2021	1:37 PM	2021	SR-69	Bradshaw Mountain Road	30	No Injury	Rear-end	Daylight	2	0	0	
11	3827403	10/18/2021	4:21 PM	2021	Bradshaw Mountain Road	SR-69	-20	No Injury	Rear-end	Daylight	2	0	0	Yes
12	3807414	8/28/2021	4:19 PM	2021	SR-69	Bradshaw Mountain Road	0	No Injury	Rear-end	Daylight	2	0	0	Yes
13	3730782	2/5/2021	2:35 PM	2021	Bradshaw Mountain Road	SR-69	20	No Injury	U-turn	Daylight	2	0	0	



# SPEED LIMIT STUDY

Prescott Valley, Arizona

February 2024



**Segment Studied:** Enterprise Parkway

**From:** Valley Road

**To:** State Route 69

**Length:** 0.9 miles

## Study Area Map - Existing Speed Limits



### Introduction:

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

### Roadway Characteristics:

- Functional classification: collector
- Existing speed limit: 35 mph
- One lane in each direction separated by a double-yellow centerline
- Pavement width varies from 30 to 55 feet to accommodate left-turn lanes
- Notable vertical and horizontal curvature
- Guardrail and edge lines on the south end of the roadway
- Curb and gutter on the north side of the roadway (Superior Lane to Valley Road)
- Left turn lanes provided at all intersections
- No bike lanes, sidewalks, on-street parking, or street lighting
- No pedestrian generators or marked crosswalks

### Data Collection:

Traffic counts with speed data were recorded for a 24-hour period on Thursday, December 1, 2022, a day when schools were in session, at the following location:

- Enterprise Parkway, about 900 feet north of State Route 69

### Speed and Traffic Volume:

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>900 feet north of State Route 69</i></b>			
Northbound	36 mph	42 mph	410
Southbound	41 mph	46 mph	746
Both Directions	39 mph	45 mph	1,156

- Average speeds ranged from 36 to 41 mph, above the existing 35-mph speed limit.
- 85th-percentile speeds ranged from 42 to 46 mph.
- Downhill (southbound) speeds were slightly higher than northbound (uphill) speeds. The difference was 5 mph in average speed and 4 mph in 85th-percentile speed.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	1	0	0	1	0
<b>Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>

- Only 1 crash was reported, an average of about 0.3 crashes per year.
- No injury crashes occurred.
- The crash rate along the corridor is 88 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 0 per 100 MVM.
- The average crash rate for similar roadways is 118 per 100 MVM, and the injury rate for similar roadways is 44 per 100 MVM.
- The corridor's crash rate is about 25 percent lower than the average rate on similar roadways.

**Roadside Development and Environment:**

- Nearby zoning is M1 – Industrial, General Limited.
- Most of the roadside is vacant. However, a few distribution centers are present near Valley Road.
- About 2,000 feet north of State Route 69 are a Recreational Vehicle storage facility and a small church with a preschool. Primary access to these facilities is provided by a driveway onto State Route 69, with secondary access via Enterprise Parkway.

**Speed Limit Recommendation:**

Retain the existing 35-mph speed limit, for the following reasons:

- The crash and injury rates are below average for similar roadways.
- Actual travel speeds indicate that most drivers are comfortable traveling at and above the existing 35-mph speed limit. Reducing the speed limit would be inconsistent with drivers' speed choices.
- No pedestrians or bicyclists were observed, the street has no pedestrian accommodations, and there are no nearby pedestrian generators.
- The northernmost horizontal curve, just south of Valley Road, is the sharpest curve along the corridor. A ball-bank indicator reading on this curve indicates that 35 mph is acceptable (12° of ball bank southbound and 8° northbound). Speeds higher than 35 mph would exceed ball-bank guidelines in the southbound direction.

## Speed Limit Study

- When considering only the 85th-percentile speed, it might be justifiable to increase the speed limit to 40 or 45 mph. However, the presence of horizontal and vertical curvature suggests that 35 mph is more appropriate for conditions.

### **Recommended Action Items:**

- Post a new SPEED LIMIT 35 sign southbound immediately south of Valley Road.
- Curve warning signs for the horizontal curve just south of Valley Road are not required because they are traversable comfortably at the posted speed limit, according to ball-bank readings. However, curve warning signs with 35-mph advisory speed plaques could be considered as an additional measure either now or in the future in either the southbound direction alone or in both directions.



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 12/01/22  
Station ID: 22-1620-033  
Enterprise Pkwy north of AZ-69  
34.576586, -112.282114  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
12/01/22	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2	38	48
01:00	1	0	0	0	0	1	1	2	1	0	0	0	0	0	6	36	45
02:00	0	0	1	0	0	2	2	7	3	1	0	0	0	0	16	41	47
03:00	0	0	0	0	1	0	2	1	1	0	0	0	0	0	5	39	46
04:00	0	0	0	0	1	1	2	0	0	0	0	0	0	0	4	34	38
05:00	0	0	0	1	1	3	11	10	3	1	0	0	0	0	30	40	44
06:00	0	0	0	1	1	2	5	1	1	1	0	0	0	0	12	38	45
07:00	0	0	0	1	1	5	7	5	0	0	0	0	0	0	19	37	42
08:00	0	0	0	3	2	8	7	9	1	0	0	0	0	0	30	36	43
09:00	0	0	1	0	2	7	3	6	1	0	0	0	0	0	20	36	43
10:00	0	0	0	3	5	11	6	3	1	0	0	0	0	0	29	34	39
11:00	1	0	0	1	8	16	10	5	2	0	0	0	0	0	43	34	40
12 PM	0	0	0	0	2	13	13	2	0	0	1	0	0	0	31	36	39
13:00	0	0	0	3	0	6	9	2	5	0	0	0	0	0	25	37	46
14:00	0	0	1	0	2	7	2	3	0	1	0	0	0	0	16	35	42
15:00	0	0	0	5	2	5	10	4	1	1	0	0	0	0	28	35	42
16:00	0	0	0	2	4	7	15	4	0	1	0	0	0	0	33	36	40
17:00	0	0	0	1	1	5	5	1	1	0	0	0	0	0	14	36	39
18:00	0	0	0	1	1	8	4	2	1	1	0	0	0	0	18	36	43
19:00	2	0	0	0	1	13	3	2	0	1	0	0	0	0	22	33	39
20:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
21:00	0	0	0	1	0	2	0	0	1	0	0	0	0	0	4	34	47
22:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
23:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
Total	4	0	3	23	37	123	118	69	24	8	1	0	0	0	410		
Percent	1.0%	0.0%	0.7%	5.6%	9.0%	30.0%	28.8%	16.8%	5.9%	2.0%	0.2%	0.0%	0.0%	0.0%			
AM Peak	01:00		02:00	08:00	11:00	11:00	05:00	05:00	02:00	02:00					11:00		
Vol.	1		1	3	8	16	11	10	3	1					43		
PM Peak	19:00		14:00	15:00	16:00	12:00	16:00	15:00	13:00	14:00	12:00				16:00		
Vol.	2		1	5	4	13	15	4	5	1	1				33		
Total	4	0	3	23	37	123	118	69	24	8	1	0	0	0	410		
Percent	1.0%	0.0%	0.7%	5.6%	9.0%	30.0%	28.8%	16.8%	5.9%	2.0%	0.2%	0.0%	0.0%	0.0%			

15th Percentile : 29 MPH  
50th Percentile : 35 MPH  
85th Percentile : 42 MPH  
95th Percentile : 47 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 241  
Percent in Pace : 58.8%  
Number of Vehicles > 35 MPH : 220  
Percent of Vehicles > 35 MPH : 53.7%  
Mean Speed(Average) : 36 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-033  
Enterprise Pkwy north of AZ-69  
34.576586, -112.282114  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
12/01/22	0	0	0	0	0	0	0	3	0	0	0	1	0	0	4	48	62
01:00	0	0	0	0	0	2	1	2	1	0	0	0	0	0	6	40	45
02:00	0	0	0	0	1	5	3	0	3	0	0	0	0	0	12	38	47
03:00	0	0	0	0	0	5	8	3	0	0	0	0	0	0	16	37	41
04:00	0	0	0	0	1	2	7	6	0	1	0	0	0	0	17	39	43
05:00	0	0	0	0	1	2	7	4	0	0	0	0	0	0	14	38	42
06:00	0	0	0	0	2	5	4	5	1	2	0	0	0	0	19	39	45
07:00	0	0	0	0	3	4	9	12	2	3	1	0	0	0	34	41	47
08:00	0	0	0	0	0	6	12	13	7	1	0	0	0	0	39	41	46
09:00	2	0	0	0	0	8	25	9	2	1	0	0	0	0	47	38	42
10:00	0	0	0	0	0	7	22	17	9	1	0	0	0	0	56	41	45
11:00	0	0	0	0	0	22	17	20	3	2	0	0	0	0	64	39	43
12 PM	0	0	0	0	2	3	20	23	7	2	2	0	0	0	59	42	46
13:00	0	0	0	0	0	4	12	13	12	3	0	0	1	0	45	43	48
14:00	0	0	0	0	2	4	15	15	16	1	1	0	0	0	54	42	48
15:00	0	0	0	0	1	4	17	28	13	1	0	0	0	0	64	42	46
16:00	0	0	0	0	0	2	19	38	17	6	0	0	0	0	82	43	48
17:00	0	0	0	0	1	3	15	20	9	3	0	0	0	0	51	42	47
18:00	0	1	0	0	2	2	8	7	1	2	1	0	0	0	24	40	47
19:00	0	0	0	0	0	3	5	3	2	2	0	0	0	0	15	41	49
20:00	0	0	0	0	0	1	2	2	1	2	0	0	0	0	8	44	52
21:00	0	0	0	0	1	0	2	1	0	0	0	0	0	0	4	37	42
22:00	0	0	0	1	1	0	1	3	1	0	0	0	0	0	7	38	44
23:00	0	0	0	0	0	0	0	2	3	0	0	0	0	0	5	46	48
Total	2	1	0	1	18	94	231	249	110	33	5	1	1	0	746		
Percent	0.3%	0.1%	0.0%	0.1%	2.4%	12.6%	31.0%	33.4%	14.7%	4.4%	0.7%	0.1%	0.1%	0.0%			
AM Peak	09:00				07:00	11:00	09:00	11:00	10:00	07:00	07:00	00:00			11:00		
Vol.	2				3	22	25	20	9	3	1	1			64		
PM Peak		18:00		22:00	12:00	13:00	12:00	16:00	16:00	16:00	12:00		13:00		16:00		
Vol.		1		1	2	4	20	38	17	6	2		1		82		
Total	2	1	0	1	18	94	231	249	110	33	5	1	1	0	746		
Percent	0.3%	0.1%	0.0%	0.1%	2.4%	12.6%	31.0%	33.4%	14.7%	4.4%	0.7%	0.1%	0.1%	0.0%			

15th Percentile : 34 MPH  
50th Percentile : 40 MPH  
85th Percentile : 46 MPH  
95th Percentile : 50 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 480  
Percent in Pace : 64.3%  
Number of Vehicles > 35 MPH : 630  
Percent of Vehicles > 35 MPH : 84.5%  
Mean Speed(Average) : 41 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-033  
Enterprise Pkwy north of AZ-69  
34.576586, -112.282114  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/01/22	0	0	0	0	1	0	0	3	1	0	0	1	0	0	6	45	60
01:00	1	0	0	0	0	3	2	4	2	0	0	0	0	0	12	38	45
02:00	0	0	1	0	1	7	5	7	6	1	0	0	0	0	28	40	47
03:00	0	0	0	0	1	5	10	4	1	0	0	0	0	0	21	38	42
04:00	0	0	0	0	2	3	9	6	0	1	0	0	0	0	21	38	43
05:00	0	0	0	1	2	5	18	14	3	1	0	0	0	0	44	39	44
06:00	0	0	0	1	3	7	9	6	2	3	0	0	0	0	31	38	45
07:00	0	0	0	1	4	9	16	17	2	3	1	0	0	0	53	39	44
08:00	0	0	0	3	2	14	19	22	8	1	0	0	0	0	69	39	44
09:00	2	0	1	0	2	15	28	15	3	1	0	0	0	0	67	37	42
10:00	0	0	0	3	5	18	28	20	10	1	0	0	0	0	85	38	44
11:00	1	0	0	1	8	38	27	25	5	2	0	0	0	0	107	37	43
12 PM	0	0	0	0	4	16	33	25	7	2	3	0	0	0	90	40	44
13:00	0	0	0	3	0	10	21	15	17	3	0	0	1	0	70	41	48
14:00	0	0	1	0	4	11	17	18	16	2	1	0	0	0	70	41	47
15:00	0	0	0	5	3	9	27	32	14	2	0	0	0	0	92	40	45
16:00	0	0	0	2	4	9	34	42	17	7	0	0	0	0	115	41	46
17:00	0	0	0	1	2	8	20	21	10	3	0	0	0	0	65	41	46
18:00	0	1	0	1	3	10	12	9	2	3	1	0	0	0	42	38	44
19:00	2	0	0	0	1	16	8	5	2	3	0	0	0	0	37	36	44
20:00	0	0	0	0	1	1	2	2	1	2	0	0	0	0	9	42	51
21:00	0	0	0	1	1	2	2	1	1	0	0	0	0	0	8	36	43
22:00	0	0	0	1	1	1	1	3	1	0	0	0	0	0	8	37	44
23:00	0	0	0	0	0	0	1	2	3	0	0	0	0	0	6	45	48
Total	6	1	3	24	55	217	349	318	134	41	6	1	1	0	1156		
Percent	0.5%	0.1%	0.3%	2.1%	4.8%	18.8%	30.2%	27.5%	11.6%	3.5%	0.5%	0.1%	0.1%	0.0%			
AM Peak	09:00		02:00	08:00	11:00	11:00	09:00	11:00	10:00	06:00	07:00	00:00			11:00		
Vol.	2		1	3	8	38	28	25	10	3	1	1			107		
PM Peak	19:00	18:00	14:00	15:00	12:00	12:00	16:00	16:00	13:00	16:00	12:00		13:00		16:00		
Vol.	2	1	1	5	4	16	34	42	17	7	3		1		115		
Total	6	1	3	24	55	217	349	318	134	41	6	1	1	0	1156		
Percent	0.5%	0.1%	0.3%	2.1%	4.8%	18.8%	30.2%	27.5%	11.6%	3.5%	0.5%	0.1%	0.1%	0.0%			

15th Percentile : 31 MPH  
50th Percentile : 38 MPH  
85th Percentile : 45 MPH  
95th Percentile : 49 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 667  
Percent in Pace : 57.7%  
Number of Vehicles > 35 MPH : 850  
Percent of Vehicles > 35 MPH : 73.5%  
Mean Speed(Average) : 39 MPH



## Crash Summary

### Enterprise Parkway - Valley Road to SR 69

Data Period: 2019 - 2021

Total Crashes: 1

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3776183	6/1/2021	3:17 PM	2021	Valley Road	Enterprise Parkway	0	No Injury	Other	Daylight	2	0	0	

# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



**Segment Studied:** Glassford Hill Road

**From:** State Route 69

**To:** State Route 89A

**Length:** 3.6 miles

## Study Area Map - Existing Speed Limits

*Note: Speed Per Direction*

### Legend

- 35 mph
- 40 mph
- 45 mph



**Introduction:**

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

Glassford Hill Road has been divided into the following two segments to reflect different conditions along portions of the corridor:

- Segment 1: State Route 69 to Long Look Drive
- Segment 2: Long Look Drive to State Route 89A

**Segment 1: State Route 69 to Long Look Drive**

**Roadway Characteristics:**

- Functional Classification: major arterial
- Existing Speed Limit: 35 mph
- Three lanes in each direction separated by a raised median
- Pavement width varies from about 80 to 125 feet to accommodate left- and right-turn lanes
- Moderate horizontal curvature
- Street lighting mostly on both sides of the roadway
- Curb, gutter, and sidewalk mostly on both sides of the roadway, south of Florentine Road
- Curb and gutter mostly on the west side of the roadway, north of Florentine Road
- Sidewalk mostly on the west side of the roadway, north of Florentine Road, buffer-separated from the roadway
- A shoulder that appears to be suitable for future conversion to a bike lane on the southbound (west) side of the street between Long Look Drive and Florentine Road
- During Lee Engineering's field review, a portion of Glassford Hill Road near Lakeshore Drive was under construction. Field observations were not able to capture typical driver behavior in this segment because several lanes were closed and speeds were much slower than normal. However, observations in other areas, coupled with other available data, were able to provide a sufficient understanding of the segment as a whole.

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Thursday, November 17, 2022, a day when schools were in session, at the following locations:

- Site A: Glassford Hill Road, about 350 feet north of SR 69
- Site B: Glassford Hill Road, about 450 feet north of Florentine Road
- Site C: Glassford Hill Road, about 0.19 miles south of Long Look Drive

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>Site A: 350 feet north of State Route 69</i></b>			
Northbound	26 mph	29 mph	6,987
Southbound	28 mph	34 mph	10,209
Both Directions	27 mph	32 mph	17,196
<b><i>Site B: 450 feet north of Florentine Road</i></b>			
Northbound	33 mph	38 mph	13,062
Southbound	31 mph	36 mph	12,888
Both Directions	32 mph	37 mph	25,950
<b><i>Site C: 0.19 miles south of Long Look Drive</i></b>			
Northbound	42 mph	47 mph	12,965
Southbound	35 mph	39 mph	12,254
Both Directions	39 mph	44 mph	25,219

- Average speeds ranged from 27 to 39 mph.
- 85th-percentile speeds ranged from 32 to 44 mph.
- Speeds were lowest near SR 69 and increased further north along the segment. It is possible that the location of data collection was so close to SR 69 that the ultimate cruising speeds of traffic turning to or from SR 69 were not captured.
- At Site C, there is a notable difference in speeds by direction. Southbound speeds are considerably slower than northbound speeds. The difference by direction is 7 mph in average speed and 8 mph in 85th-percentile speed.



**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	35	20	0	55	16
2020	35	16	0	51	21
2021	50	29	0	79	21
<b>Total</b>	<b>120</b>	<b>65</b>	<b>0</b>	<b>185</b>	<b>58</b>

- 185 crashes were reported, an average of about 61.7 crashes per year.
- 4 serious injury, 30 minor injury, and 31 possible injury crashes were reported.
- 2 of the serious injury crashes, 9 of the minor injury crashes, and 8 of the possible injury crashes were reported as speed-related crashes.
- Of the 30 minor injury crashes, 3 involved a bicyclist or pedestrian:
  - On September 26, 2019, at 7:33 p.m., an eastbound bicyclist on the north (left) side of the road was struck by a westbound vehicle making a right turn from SR 69 onto Glassford Hill Road whose driver failed to yield.
  - On October 18, 2020, at 3:03 p.m., an eastbound pedestrian on the north (left) side of the road was struck by a southbound vehicle making a right turn onto SR 69 whose driver failed to yield.
  - On April 18, 2021, at 12:26 p.m., a southbound pedestrian was struck by an eastbound vehicle making a right turn from Florentine Road onto Glassford Hill Road whose driver failed to yield.
- Of the 31 possible injury crashes, 2 involved a bicyclist or pedestrian:
  - On June 7, 2020, at 7:18 p.m., a northbound pedestrian was struck by a westbound vehicle making a left turn onto Glassford Hill Road from Veterans Way whose driver failed to yield.
  - On May 8, 2021, at 7:58 a.m., an eastbound bicyclist on the north (left) side of the road was struck by a southbound vehicle making a right turn onto SR 69 whose driver failed to yield.
- Of the 185 crashes, 49 occurred at SR 69; these crashes are not generally relevant to the speed limit on Glassford Hill Road. Of the 65 injury crashes, 13 occurred at the SR 69 intersection.
- Excluding the SR 69 crashes, the crash rate along the segment is 382 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 146 per 100 MVM.
- The average crash rate for similar roadways is 231 per 100 MVM, and the average injury rate for similar roadways is 77 per 100 MVM. The critical crash rate is 275 per 100 MVM, and the critical injury rate is 103 per 100 MVM.
- The crash rate along the segment is 65% higher than the average rate on similar roadways and 39% higher than the critical rate. The injury rate along the segment is 90% higher than the average injury rate on similar roadways and 42% higher than the critical injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes C2 – Commercial (General Sales & Services), RS – Residential & Services, and PL – Public Lands.
- Retail, restaurants, financial and medical services, gas stations, and a community college are located along the roadway.
- The segment has excellent access management, with most side-street access limited to signalized intersections. A few driveways exist along the segment, but unsignalized access points typically provide only right-in and right-out traffic movements.

**Speed Limit Recommendation:**

Retain the existing 35-mph speed limit, for the following reasons:

- The 85th-percentile travel speeds segment-wide average between 37 and 38 mph, indicating that a 35-mph speed limit is consistent with the majority of drivers' speed choices. Reducing the speed limit to 30 mph would cause it to be well below most drivers' typical travel speeds.
- The wide cross section, raised median, buffer-separated sidewalks, and other characteristics of the roadway clearly communicate its status as a major arterial. Drivers typically expect speed limits of at least 35 mph on major arterials.
- It is not reasonable to increase the speed limit to 40 mph or above because the injury and crash rates are well above the average of similar typical roadways.
- Pedestrians have safe and comfortable accommodations on one or both sides of the street, and all signalized intersections are equipped with pedestrian crossing infrastructure.
- The excellent access management and signalized control of almost all left-turn and crossing movements suggest that speed limits do not need to be reduced to accommodate these movements.

**Recommended Action Item:**

- During Lee Engineering's field review, the lack of drop-lane markings was observed on southbound Glassford Hill Road approaching SR 69. Drop lane markings are recommended for installation; however, Lee Engineering understands that these markings are planned to be installed as part of a roadway project currently under construction.

## **Segment 2: Long Look Drive to State Route 89A**

### **Roadway Characteristics:**

- Functional Classification: major arterial
- Existing Speed Limit: 45 mph
- Mostly two lanes in each direction, but three southbound lanes for about ½ mile south of State Route 89A
- Raised landscaped median separating the travel directions
- Pavement width varies from about 73 to 125 feet to accommodate left- and right-turn lanes
- Slight horizontal curvature
- No sidewalks, except near Spouse Drive and Long Look Drive
- No street lighting
- Shoulder that appears suitable for a future bike lane on the southbound (west) side of the roadway for about ½ mile south of SR 89A
- Curb and gutter on both sides of the roadway, only near SR 89A
- Guardrail, about 365 feet in length, on the west side of the roadway near SR 89A
- A median U-turn configuration limits direct outbound left-turns from Granville Parkway South, promoting traffic safety performance

### **Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Thursday, November 17, 2022, and Tuesday, May 30, 2023, at the following locations:

- Site A: Glassford Hill Road, about 0.28 miles south of Spouse Drive
- Site B: Glassford Hill Road, between the two Granville Parkway intersections
- Site C: Glassford Hill Road, about 0.23 miles south of SR 89A



**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 3**. Complete results are attached.

**Table 3: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b>Site A: 0.28 miles south of Spouse Drive</b>			
Northbound	46 mph	49 mph	11,451
Southbound	42 mph	47 mph	9,650
Both Directions	44 mph	48 mph	21,101
<b>Site B: Between Granville Parkway intersections</b>			
Northbound	43 mph	47 mph	12,100
Southbound	50 mph	54 mph	10,214
Both Directions	46 mph	52 mph	22,314
<b>Site C: 0.23 miles south of State Route 89A</b>			
Northbound	42 mph	48 mph	12,605
Southbound	41 mph	44 mph	10,565
Both Directions	41 mph	46 mph	23,170

- Average speeds ranged from 41 to 46 mph.
- 85th-percentile speeds ranged from 46 to 52 mph, at and above the existing 45-mph speed limit.
- At Site B, there is a notable difference in speed by direction, with southbound speeds about 7 mph faster than northbound speeds.

**Crash Analysis:**

A summary of crashes is shown in **Table 4**. Complete crash data is attached.

**Table 4: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	26	13	0	39	25
2020	19	8	0	27	8
2021	32	13	2	47	22
<b>Total</b>	<b>77</b>	<b>34</b>	<b>2</b>	<b>113</b>	<b>55</b>

- 113 crashes were reported, an average of about 37.7 crashes per year.

- 2 fatal, 3 serious injury, 8 minor injury, and 23 possible injury crashes occurred.
- 3 of the minor-injury crashes and 13 of the possible-injury crashes were reported as speed-related.
- Of the 2 fatal crashes:
  - One occurred at Granville Parkway (north intersection) on June 6, 2021, at 7:34 p.m., when a northbound vehicle on Glassford Hill Road was struck by a southbound vehicle that ran off the road and overturned.
  - One pedestrian crash occurred on December 25, 2021, at 10:41 p.m., when a pedestrian crossing Glassford Hill Road about 500 feet south of Spouse Drive (midblock), was struck by three northbound vehicles.
- Of the 113 crashes, 8 occurred at the SR 89A interchange; these crashes are not generally relevant to the speed limit on Glassford Hill Road. Of the 34 injury crashes, 1 occurred at the SR 89A interchange.
- Excluding the SR 89A crashes, the crash rate along the segment is 182 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 61 per 100 MVM.
- The average crash rate for similar roadways is 231 per 100 MVM, and the average injury rate for similar roadways is 77 per 100 MVM.
- The crash rate along the segment is 21% lower than the average rate on similar roadways. The injury rate along the segment is also 21% lower than the average injury rate on similar roadways.

### **Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R2 – Residential (Multiple Dwelling Units), C2 – Commercial (General Sales & Services), and PL – Public Lands.
- No single-family homes front the street.
- Granville Elementary School, Santa Fe Station Park, and vacant land are located along the roadway.
- Access management along the segment is excellent, with very few intersections, traffic signal control of almost all left-turn movements, and no driveways onto the street.

### **Speed Limit Recommendation:**

Retain the existing 45-mph speed limit, for the following reasons:

- Drivers' actual travel speeds indicate a preference for speeds near the existing 45-mph speed limit. The segment-wide average speed is 43 mph, and the segment-wide 85th-percentile speed is 49 mph.
- While the neighborhoods adjoining Glassford Hill Road do have pedestrian generators, pedestrians are generally not expected to walk along Glassford Hill Road. The street does not have pedestrian accommodations, and pedestrians are expected to be very rare.
- Conflicting turning movements are controlled at traffic signals or are managed by raised medians to limit turns to ideal locations.
- The segment's crash and injury rates are below average for typical similar roadways elsewhere, suggesting that the speed limit does not need to be limited as a safety preventive measure.
- When considering only the 85th-percentile speed, it might be justifiable to consider a speed limit of 50 mph. However, no other roadways in the town are posted this high, and this would create a 15-mph step-down at Long Look Drive where the speed limit drops to 35 mph. In general, 15-mph changes in speed limit are undesirable; where they exist, these changes are better made in two smaller steps. Speed limits over 45 mph are likely associated by motorists with roadways in more rural areas.

## Speed Limit Study

- It is understood that the town is planning to widen this segment of Glassford Hill Road to a 6-lane cross-section. The 45-mph speed limit is expected to be appropriate after the widening project is complete, because the conditions that lead to the 45-mph recommendation will largely remain in place after completion of the project. However, the town may wish to conduct an additional speed study after the widening project if desired. (The speed limit *during* construction is not addressed by this study.)

### **Recommended Action Items:**

- None.

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 11/17/22  
Station ID: 22-1620-020  
Glassford Hill Rd north of AZ-69  
34.584025, -112.342656  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	2	4	1	3	0	0	0	0	0	0	0	0	10	26	32
01:00	0	0	0	4	13	1	0	0	0	0	0	0	0	0	18	27	29
02:00	0	0	0	9	7	0	0	0	0	0	0	0	0	0	16	25	28
03:00	0	0	2	7	4	1	0	0	0	0	0	0	0	0	14	24	28
04:00	0	0	5	6	14	3	0	0	0	0	0	0	0	0	28	26	29
05:00	0	0	3	21	38	4	1	0	0	0	0	0	0	0	67	26	29
06:00	1	1	11	33	69	5	0	0	0	0	0	0	0	0	120	26	29
07:00	0	0	17	66	166	27	1	0	0	0	0	0	0	0	277	27	29
08:00	0	1	25	109	143	19	0	0	0	0	0	0	0	0	297	26	29
09:00	1	1	22	146	196	25	0	1	0	0	0	0	0	0	392	26	29
10:00	5	6	28	164	233	21	0	0	0	0	0	0	0	0	457	25	28
11:00	1	1	26	197	290	25	1	0	0	0	0	0	0	0	541	26	29
12 PM	5	5	40	276	294	25	1	0	0	0	0	0	0	0	646	25	28
13:00	4	5	40	234	252	15	1	0	0	0	0	0	0	0	551	25	28
14:00	3	3	36	251	324	42	1	0	0	0	0	0	0	0	660	26	29
15:00	7	3	33	227	349	46	1	0	0	0	0	0	0	0	666	26	29
16:00	2	1	29	202	347	34	0	0	0	0	0	0	0	0	615	26	29
17:00	2	0	22	190	287	39	2	0	0	0	0	0	0	0	542	26	29
18:00	0	3	13	114	209	28	2	1	0	0	0	0	0	0	370	26	29
19:00	0	0	7	84	160	28	2	0	0	0	0	0	0	0	281	27	29
20:00	0	1	12	55	105	15	0	0	0	0	0	0	0	0	188	26	29
21:00	3	0	6	32	83	16	2	0	0	0	0	0	0	0	142	27	29
22:00	0	0	3	17	29	7	0	0	0	0	0	0	0	0	56	27	29
23:00	0	0	0	12	16	5	0	0	0	0	0	0	0	0	33	27	30
Total	34	31	382	2460	3629	434	15	2	0	0	0	0	0	0	6987		
Percent	0.5%	0.4%	5.5%	35.2%	51.9%	6.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	10:00	10:00	11:00	11:00	07:00	05:00	09:00							11:00		
Vol.	5	6	28	197	290	27	1	1							541		
PM Peak	15:00	12:00	12:00	12:00	15:00	15:00	17:00	18:00							15:00		
Vol.	7	5	40	276	349	46	2	1							666		
Total	34	31	382	2460	3629	434	15	2	0	0	0	0	0	0	6987		
Percent	0.5%	0.4%	5.5%	35.2%	51.9%	6.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 21 MPH  
50th Percentile : 25 MPH  
85th Percentile : 29 MPH  
95th Percentile : 31 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 6092  
Percent in Pace : 87.2%  
Number of Vehicles > 35 MPH : 17  
Percent of Vehicles > 35 MPH : 0.2%  
Mean Speed(Average) : 26 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-020  
Glassford Hill Rd north of AZ-69  
34.584025, -112.342656  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
11/17/22	0	0	0	1	1	9	4	0	0	0	0	0	0	0	15	33	37
01:00	0	0	0	1	3	6	2	0	0	0	0	0	0	0	12	32	35
02:00	0	0	0	2	3	8	4	1	1	0	0	0	0	0	19	34	38
03:00	0	0	0	1	5	9	11	1	0	0	0	0	0	0	27	34	38
04:00	0	0	0	8	17	43	22	3	1	0	0	0	0	0	94	33	37
05:00	0	1	6	19	41	87	35	9	2	0	0	0	0	0	200	32	37
06:00	0	1	12	28	108	132	53	10	3	0	0	0	0	0	347	31	36
07:00	1	14	34	95	138	<b>194</b>	<b>83</b>	19	4	0	0	0	0	0	582	30	36
08:00	4	20	41	92	177	184	70	<b>24</b>	<b>5</b>	<b>1</b>	0	0	0	0	618	29	35
09:00	6	19	64	110	200	156	47	14	1	0	0	0	0	0	617	28	34
10:00	<b>14</b>	42	<b>88</b>	<b>157</b>	<b>212</b>	138	31	2	1	0	0	0	0	0	<b>685</b>	26	32
11:00	12	<b>53</b>	79	144	198	133	36	6	1	0	0	0	0	0	662	26	32
12 PM	17	57	107	<b>202</b>	232	107	17	4	1	0	0	0	0	0	744	25	30
13:00	8	45	103	183	224	145	47	6	1	0	0	0	0	0	<b>762</b>	26	32
14:00	15	56	<b>108</b>	158	229	116	37	6	0	<b>1</b>	0	0	0	0	726	25	32
15:00	6	52	83	183	232	131	51	4	1	1	0	0	0	0	744	26	32
16:00	<b>18</b>	<b>68</b>	96	156	189	149	41	7	1	0	0	0	0	0	725	25	33
17:00	1	8	66	131	<b>276</b>	196	<b>66</b>	13	<b>3</b>	0	0	0	0	0	760	29	34
18:00	1	7	36	125	205	<b>204</b>	59	<b>14</b>	1	0	0	0	0	0	652	29	34
19:00	0	6	23	76	159	152	50	7	0	0	0	0	0	0	473	29	34
20:00	0	2	4	36	92	126	42	13	2	0	0	0	0	0	317	31	36
21:00	0	0	5	21	69	95	34	3	0	0	0	0	0	0	227	31	35
22:00	0	0	1	9	30	50	28	6	0	1	0	0	0	0	125	33	37
23:00	0	1	0	3	13	37	18	4	0	0	0	0	0	0	76	33	37
Total	103	452	956	1941	3053	2607	888	176	29	4	0	0	0	0	10209		
Percent	1.0%	4.4%	9.4%	19.0%	29.9%	25.5%	8.7%	1.7%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	11:00	10:00	10:00	10:00	07:00	07:00	08:00	08:00	08:00					10:00		
Vol.	14	53	88	157	212	194	83	24	5	1					685		
PM Peak	16:00	16:00	14:00	12:00	17:00	18:00	17:00	18:00	17:00	14:00					13:00		
Vol.	18	68	108	202	276	204	66	14	3	1					762		
Total	103	452	956	1941	3053	2607	888	176	29	4	0	0	0	0	10209		
Percent	1.0%	4.4%	9.4%	19.0%	29.9%	25.5%	8.7%	1.7%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 20 MPH  
50th Percentile : 27 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 5665  
Percent in Pace : 55.5%  
Number of Vehicles > 35 MPH : 1097  
Percent of Vehicles > 35 MPH : 10.7%  
Mean Speed(Average) : 28 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-020  
Glassford Hill Rd north of AZ-69  
34.584025, -112.342656  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
11/17/22	0	0	2	5	2	12	4	0	0	0	0	0	0	0	25	30	35
01:00	0	0	0	5	16	7	2	0	0	0	0	0	0	0	30	29	33
02:00	0	0	0	11	10	8	4	1	1	0	0	0	0	0	35	30	35
03:00	0	0	2	8	9	10	11	1	0	0	0	0	0	0	41	31	37
04:00	0	0	5	14	31	46	22	3	1	0	0	0	0	0	122	31	36
05:00	0	1	9	40	79	91	36	9	2	0	0	0	0	0	267	31	35
06:00	1	2	23	61	177	137	53	10	3	0	0	0	0	0	467	30	34
07:00	1	14	51	161	304	<b>221</b>	<b>84</b>	19	4	0	0	0	0	0	859	29	34
08:00	4	21	66	201	320	203	70	<b>24</b>	<b>5</b>	1	0	0	0	0	915	28	34
09:00	7	20	86	256	396	181	47	15	1	0	0	0	0	0	1009	27	32
10:00	<b>19</b>	48	<b>116</b>	321	445	159	31	2	1	0	0	0	0	0	1142	26	30
11:00	13	<b>54</b>	105	<b>341</b>	<b>488</b>	158	37	6	1	0	0	0	0	0	<b>1203</b>	26	30
12 PM	<b>22</b>	62	<b>147</b>	<b>478</b>	526	132	18	4	1	0	0	0	0	0	1390	25	29
13:00	12	50	143	417	476	160	48	6	1	0	0	0	0	0	1313	26	30
14:00	18	59	144	409	553	158	38	6	0	<b>1</b>	0	0	0	0	1386	26	29
15:00	13	55	116	410	<b>581</b>	177	52	4	1	1	0	0	0	0	<b>1410</b>	26	30
16:00	20	<b>69</b>	125	358	536	183	41	7	1	0	0	0	0	0	1340	26	30
17:00	3	8	88	321	563	<b>235</b>	<b>68</b>	13	<b>3</b>	0	0	0	0	0	1302	28	32
18:00	1	10	49	239	414	232	61	<b>15</b>	1	0	0	0	0	0	1022	28	33
19:00	0	6	30	160	319	180	52	7	0	0	0	0	0	0	754	28	33
20:00	0	3	16	91	197	141	42	13	2	0	0	0	0	0	505	29	34
21:00	3	0	11	53	152	111	36	3	0	0	0	0	0	0	369	29	34
22:00	0	0	4	26	59	57	28	6	0	1	0	0	0	0	181	31	36
23:00	0	1	0	15	29	42	18	4	0	0	0	0	0	0	109	31	36
Total	137	483	1338	4401	6682	3041	903	178	29	4	0	0	0	0	17196		
Percent	0.8%	2.8%	7.8%	25.6%	38.9%	17.7%	5.3%	1.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	11:00	10:00	11:00	11:00	07:00	07:00	08:00	08:00	08:00					11:00		
Vol.	19	54	116	341	488	221	84	24	5	1					1203		
PM Peak	12:00	16:00	12:00	12:00	15:00	17:00	17:00	18:00	17:00	14:00					15:00		
Vol.	22	69	147	478	581	235	68	15	3	1					1410		
Total	137	483	1338	4401	6682	3041	903	178	29	4	0	0	0	0	17196		
Percent	0.8%	2.8%	7.8%	25.6%	38.9%	17.7%	5.3%	1.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 20 MPH  
50th Percentile : 26 MPH  
85th Percentile : 32 MPH  
95th Percentile : 36 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 11091  
Percent in Pace : 64.5%  
Number of Vehicles > 35 MPH : 1114  
Percent of Vehicles > 35 MPH : 6.5%  
Mean Speed(Average) : 27 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 11/17/22  
Station ID: 22-1620-019  
Glassford Hill Rd north of Florentine Rd  
34.590117, -112.339380  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	0	1	16	16	3	0	0	0	0	0	0	36	36	39
01:00	0	0	0	0	3	14	17	5	3	0	0	0	0	0	42	37	41
02:00	0	0	0	0	8	14	4	0	0	1	0	0	0	0	27	33	36
03:00	0	0	0	1	3	12	11	0	0	0	0	0	0	0	27	34	38
04:00	0	0	0	0	9	19	21	3	0	0	0	0	0	0	52	35	38
05:00	0	0	0	2	17	54	44	7	1	0	0	0	0	0	125	35	38
06:00	0	0	1	4	32	120	76	27	4	1	0	0	0	0	265	35	39
07:00	0	0	2	15	121	269	201	52	6	1	0	0	0	0	667	34	38
08:00	0	0	3	24	128	235	196	45	6	0	0	0	0	0	637	34	38
09:00	1	0	1	32	139	273	180	40	4	0	0	0	0	1	671	33	38
10:00	0	0	2	38	185	328	217	36	4	0	0	0	0	0	810	33	38
11:00	0	0	5	69	221	377	194	40	3	1	0	0	0	0	910	33	37
12 PM	0	3	7	104	306	395	208	33	1	0	0	0	0	1	1058	32	37
13:00	0	0	5	67	266	399	245	47	2	0	0	0	0	0	1031	33	37
14:00	0	0	6	95	286	444	229	34	10	1	0	0	0	0	1105	32	37
15:00	2	0	11	81	241	446	276	77	7	0	0	0	0	0	1141	33	38
16:00	2	5	12	112	282	419	225	28	6	1	0	0	0	0	1092	32	37
17:00	1	0	5	66	254	480	255	29	1	2	0	0	0	0	1093	33	37
18:00	0	0	2	8	111	372	221	32	2	1	1	0	0	0	750	34	38
19:00	0	0	0	10	69	249	240	47	5	1	1	0	0	0	622	35	39
20:00	0	0	0	3	62	164	130	20	3	0	1	0	0	0	383	35	38
21:00	0	0	0	2	31	126	116	22	5	2	0	0	0	0	304	35	39
22:00	0	0	0	2	15	56	52	14	0	0	0	0	0	0	139	35	39
23:00	0	0	0	1	9	37	18	10	0	0	0	0	0	0	75	35	39
Total	6	8	62	736	2799	5318	3392	651	73	12	3	0	0	2	13062		
Percent	0.0%	0.1%	0.5%	5.6%	21.4%	40.7%	26.0%	5.0%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00		11:00	11:00	11:00	11:00	10:00	07:00	07:00	02:00				09:00	11:00		
Vol.	1		5	69	221	377	217	52	6	1				1	910		
PM Peak	15:00	16:00	16:00	16:00	12:00	17:00	15:00	15:00	14:00	17:00	18:00			12:00	15:00		
Vol.	2	5	12	112	306	480	276	77	10	2	1			1	1141		
Total	6	8	62	736	2799	5318	3392	651	73	12	3	0	0	2	13062		
Percent	0.0%	0.1%	0.5%	5.6%	21.4%	40.7%	26.0%	5.0%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 27 MPH  
50th Percentile : 32 MPH  
85th Percentile : 38 MPH  
95th Percentile : 40 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 8710  
Percent in Pace : 66.7%  
Number of Vehicles > 35 MPH : 4133  
Percent of Vehicles > 35 MPH : 31.6%  
Mean Speed(Average) : 33 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-019  
Glassford Hill Rd north of Florentine Rd  
34.590117, -112.339380  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	0	4	13	10	1	0	0	0	0	0	0	28	34	38
01:00	0	0	0	0	1	10	9	0	0	0	0	0	0	0	20	35	38
02:00	0	0	0	0	0	9	5	5	0	0	0	0	0	0	19	37	42
03:00	0	0	0	0	2	27	12	6	1	0	0	0	0	0	48	36	39
04:00	0	0	0	2	15	53	43	11	2	0	0	0	0	0	126	35	39
05:00	0	0	3	7	26	104	93	14	2	0	0	0	0	0	249	35	38
06:00	0	0	4	21	79	193	155	36	3	1	0	0	0	0	492	34	38
07:00	2	4	24	89	205	285	187	61	7	0	0	0	0	0	864	32	38
08:00	1	4	29	104	226	299	176	56	5	1	0	0	0	0	901	32	37
09:00	4	1	11	100	215	269	153	34	3	1	0	0	0	0	791	31	37
10:00	0	3	27	158	291	291	131	26	2	1	0	0	0	0	930	30	35
11:00	1	7	35	172	347	276	124	18	3	0	0	0	0	0	983	30	34
12 PM	3	5	41	158	316	293	101	23	2	1	0	0	0	0	943	30	34
13:00	1	7	23	146	345	313	98	15	2	1	0	0	0	0	951	30	34
14:00	1	10	49	209	354	245	91	15	0	0	1	0	0	0	975	29	34
15:00	1	16	49	209	339	245	138	18	3	0	0	0	0	0	1018	29	35
16:00	2	17	50	168	317	271	113	15	0	1	0	0	0	0	954	29	34
17:00	2	8	47	159	272	277	111	12	5	1	0	1	0	0	895	30	34
18:00	0	2	19	80	209	239	116	18	1	0	0	0	0	0	684	31	36
19:00	0	1	4	27	106	182	88	22	5	1	0	0	0	0	436	33	37
20:00	0	0	1	13	69	129	63	10	0	0	0	0	0	0	285	33	37
21:00	0	0	0	4	33	57	34	15	4	1	1	0	0	0	149	34	39
22:00	0	0	0	1	19	33	35	1	0	0	0	0	0	0	89	34	38
23:00	0	0	0	1	15	27	12	3	0	0	0	0	0	0	58	33	37
Total	18	85	416	1828	3805	4140	2098	435	50	10	2	1	0	0	12888		
Percent	0.1%	0.7%	3.2%	14.2%	29.5%	32.1%	16.3%	3.4%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	11:00	11:00	11:00	11:00	08:00	07:00	07:00	07:00	06:00					11:00		
Vol.	4	7	35	172	347	299	187	61	7	1					983		
PM Peak	12:00	16:00	16:00	14:00	14:00	13:00	15:00	12:00	17:00	12:00	14:00	17:00			15:00		
Vol.	3	17	50	209	354	313	138	23	5	1	1	1			1018		
Total	18	85	416	1828	3805	4140	2098	435	50	10	2	1	0	0	12888		
Percent	0.1%	0.7%	3.2%	14.2%	29.5%	32.1%	16.3%	3.4%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 23 MPH  
50th Percentile : 30 MPH  
85th Percentile : 36 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 7946  
Percent in Pace : 61.7%  
Number of Vehicles > 35 MPH : 2596  
Percent of Vehicles > 35 MPH : 20.1%  
Mean Speed(Average) : 31 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-019  
Glassford Hill Rd north of Florentine Rd  
34.590117, -112.339380  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	0	5	29	26	4	0	0	0	0	0	0	64	35	38
01:00	0	0	0	0	4	24	26	5	3	0	0	0	0	0	62	36	39
02:00	0	0	0	0	8	23	9	5	0	1	0	0	0	0	46	35	39
03:00	0	0	0	1	5	39	23	6	1	0	0	0	0	0	75	35	39
04:00	0	0	0	2	24	72	64	14	2	0	0	0	0	0	178	35	39
05:00	0	0	3	9	43	158	137	21	3	0	0	0	0	0	374	35	38
06:00	0	0	5	25	111	313	231	63	7	2	0	0	0	0	757	34	39
07:00	2	4	26	104	326	554	388	113	13	1	0	0	0	0	1531	33	38
08:00	1	4	32	128	354	534	372	101	11	1	0	0	0	0	1538	33	38
09:00	5	1	12	132	354	542	333	74	7	1	0	0	0	1	1462	32	37
10:00	0	3	29	196	476	619	348	62	6	1	0	0	0	0	1740	32	37
11:00	1	7	40	241	568	653	318	58	6	1	0	0	0	0	1893	31	36
12 PM	3	8	48	262	622	688	309	56	3	1	0	0	0	1	2001	31	36
13:00	1	7	28	213	611	712	343	62	4	1	0	0	0	0	1982	31	36
14:00	1	10	55	304	640	689	320	49	10	1	1	0	0	0	2080	31	36
15:00	3	16	60	290	580	691	414	95	10	0	0	0	0	0	2159	31	37
16:00	4	22	62	280	599	690	338	43	6	2	0	0	0	0	2046	31	36
17:00	3	8	52	225	526	757	366	41	6	3	0	1	0	0	1988	31	36
18:00	0	2	21	88	320	611	337	50	3	1	1	0	0	0	1434	33	37
19:00	0	1	4	37	175	431	328	69	10	2	1	0	0	0	1058	34	38
20:00	0	0	1	16	131	293	193	30	3	0	1	0	0	0	668	34	38
21:00	0	0	0	6	64	183	150	37	9	3	1	0	0	0	453	35	39
22:00	0	0	0	3	34	89	87	15	0	0	0	0	0	0	228	35	38
23:00	0	0	0	2	24	64	30	13	0	0	0	0	0	0	133	34	38
Total	24	93	478	2564	6604	9458	5490	1086	123	22	5	1	0	2	25950		
Percent	0.1%	0.4%	1.8%	9.9%	25.4%	36.4%	21.2%	4.2%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	11:00	11:00	11:00	11:00	11:00	07:00	07:00	07:00	06:00				09:00	11:00		
Vol.	5	7	40	241	568	653	388	113	13	2				1	1893		
PM Peak	16:00	16:00	16:00	14:00	14:00	17:00	15:00	15:00	14:00	17:00	14:00	17:00		12:00	15:00		
Vol.	4	22	62	304	640	757	414	95	10	3	1	1		1	2159		
Total	24	93	478	2564	6604	9458	5490	1086	123	22	5	1	0	2	25950		
Percent	0.1%	0.4%	1.8%	9.9%	25.4%	36.4%	21.2%	4.2%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 31 MPH  
85th Percentile : 37 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 16063  
Percent in Pace : 61.9%  
Number of Vehicles > 35 MPH : 6729  
Percent of Vehicles > 35 MPH : 25.9%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 11/17/22  
Station ID: 22-1620-018  
Glassford Hill Rd south of Long Look Dr  
34.597731, -112.341613  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	0	0	1	13	10	9	6	1	0	0	0	40	44	50
01:00	0	0	0	0	0	2	11	14	6	7	1	0	0	0	41	44	51
02:00	0	0	0	0	1	1	7	17	4	1	0	0	0	0	31	42	45
03:00	0	0	0	0	1	0	6	10	4	2	0	0	0	0	23	43	48
04:00	0	0	0	0	0	6	12	14	11	5	1	0	0	0	49	43	49
05:00	0	0	0	0	2	2	35	46	31	9	2	2	0	0	129	44	48
06:00	0	0	0	0	2	19	89	132	77	32	14	0	1	0	366	44	49
07:00	3	8	16	9	34	78	205	246	141	44	5	1	0	0	790	40	47
08:00	0	0	0	2	1	27	133	262	128	39	11	3	0	1	607	43	48
09:00	0	0	0	1	5	27	148	270	146	30	12	3	0	0	642	43	48
10:00	0	0	0	1	0	44	198	295	139	33	11	1	0	1	723	43	47
11:00	0	0	0	0	8	46	247	320	151	50	11	4	1	0	838	43	48
12 PM	0	0	0	7	29	103	290	313	143	47	8	3	2	0	945	41	47
13:00	0	0	0	1	21	110	292	317	168	42	7	4	2	0	964	42	47
14:00	0	1	4	24	72	168	350	321	110	26	7	2	1	0	1086	39	44
15:00	1	3	16	28	54	162	331	307	142	40	7	5	1	1	1098	40	46
16:00	0	0	0	11	49	143	294	360	149	55	4	2	1	1	1069	41	46
17:00	1	0	1	6	42	143	335	327	125	49	5	0	0	0	1034	40	45
18:00	0	0	0	3	7	83	200	285	158	49	5	2	1	0	793	42	48
19:00	0	0	0	0	1	30	180	283	168	30	5	1	1	1	700	43	47
20:00	0	0	0	0	1	13	91	187	106	34	6	1	0	1	440	44	48
21:00	0	0	0	0	0	8	53	120	79	17	6	3	1	0	287	44	48
22:00	0	0	0	0	2	13	49	87	17	8	2	0	0	0	178	42	45
23:00	0	0	0	0	0	2	29	34	17	6	3	1	0	0	92	43	48
Total	5	12	37	93	332	1231	3598	4577	2229	661	134	38	12	6	12965		
Percent	0.0%	0.1%	0.3%	0.7%	2.6%	9.5%	27.8%	35.3%	17.2%	5.1%	1.0%	0.3%	0.1%	0.0%			
AM Peak	07:00	07:00	07:00	07:00	07:00	07:00	11:00	11:00	11:00	11:00	06:00	11:00	06:00	08:00	11:00		
Vol.	3	8	16	9	34	78	247	320	151	50	14	4	1	1	838		
PM Peak	15:00	15:00	15:00	15:00	14:00	14:00	14:00	16:00	13:00	16:00	12:00	15:00	12:00	15:00	15:00		
Vol.	1	3	16	28	72	168	350	360	168	55	8	5	2	1	1098		
Total	5	12	37	93	332	1231	3598	4577	2229	661	134	38	12	6	12965		
Percent	0.0%	0.1%	0.3%	0.7%	2.6%	9.5%	27.8%	35.3%	17.2%	5.1%	1.0%	0.3%	0.1%	0.0%			

15th Percentile : 35 MPH  
50th Percentile : 41 MPH  
85th Percentile : 47 MPH  
95th Percentile : 51 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 8175  
Percent in Pace : 63.1%  
Number of Vehicles > 35 MPH : 11255  
Percent of Vehicles > 35 MPH : 86.8%  
Mean Speed(Average) : 42 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 2

Site Code: Thurs 11/17/22  
Station ID: 22-1620-018  
Glassford Hill Rd south of Long Look Dr  
34.597731, -112.341613  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
11/17/22	0	0	0	0	3	16	16	4	3	2	0	0	0	0	44	37	43
01:00	0	0	0	0	3	6	8	2	0	0	0	0	0	0	19	35	39
02:00	0	0	0	0	2	13	9	0	1	1	0	0	0	0	26	36	38
03:00	0	0	0	0	0	16	13	7	0	0	0	0	0	0	36	37	41
04:00	0	0	0	0	4	62	54	4	1	0	0	0	0	0	125	35	38
05:00	0	0	0	0	9	93	99	15	3	1	0	0	0	0	220	36	39
06:00	0	0	1	1	17	196	179	33	6	0	0	0	0	0	433	36	39
07:00	1	0	0	2	51	422	395	65	4	1	0	0	0	0	941	36	39
08:00	1	0	0	2	31	347	419	77	10	1	0	0	0	0	888	36	39
09:00	0	0	0	1	31	304	407	75	7	2	0	0	0	0	827	36	39
10:00	4	0	0	2	47	357	400	72	5	0	0	0	0	0	887	36	39
11:00	0	0	0	4	47	369	355	81	8	1	0	0	0	0	865	36	39
12 PM	2	0	0	2	53	377	380	82	3	1	0	0	0	0	900	36	39
13:00	2	1	0	3	76	472	247	37	9	1	0	0	0	0	848	35	38
14:00	1	0	1	9	161	516	282	44	8	2	0	0	0	0	1024	34	38
15:00	4	0	0	9	70	389	361	46	2	2	0	0	0	0	883	35	38
16:00	1	0	3	0	59	372	333	74	5	0	1	0	0	0	848	36	39
17:00	0	0	0	7	106	420	287	61	5	1	0	0	0	0	887	35	38
18:00	1	1	0	0	31	259	255	52	7	0	0	0	0	0	606	36	39
19:00	0	0	0	0	27	182	169	43	6	1	0	0	0	0	428	36	39
20:00	0	0	0	0	7	88	111	17	4	1	0	0	0	0	228	36	39
21:00	0	0	0	0	6	75	70	10	0	0	0	0	0	0	161	36	38
22:00	0	0	0	0	6	33	30	6	2	0	0	0	0	0	77	36	39
23:00	0	0	0	0	6	22	18	5	1	0	1	0	0	0	53	36	39
Total	17	2	5	42	853	5406	4897	912	100	18	2	0	0	0	12254		
Percent	0.1%	0.0%	0.0%	0.3%	7.0%	44.1%	40.0%	7.4%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00		06:00	11:00	07:00	07:00	08:00	11:00	08:00	00:00						07:00	
Vol.	4		1	4	51	422	419	81	10	2						941	
PM Peak	15:00	13:00	16:00	14:00	14:00	14:00	12:00	12:00	13:00	14:00	16:00					14:00	
Vol.	4	1	3	9	161	516	380	82	9	2	1					1024	
Total	17	2	5	42	853	5406	4897	912	100	18	2	0	0	0	12254		
Percent	0.1%	0.0%	0.0%	0.3%	7.0%	44.1%	40.0%	7.4%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 30 MPH  
50th Percentile : 34 MPH  
85th Percentile : 39 MPH  
95th Percentile : 42 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 10304  
Percent in Pace : 84.1%  
Number of Vehicles > 35 MPH : 5929  
Percent of Vehicles > 35 MPH : 48.4%  
Mean Speed(Average) : 35 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-018  
Glassford Hill Rd south of Long Look Dr  
34.597731, -112.341613  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	0	3	17	29	14	12	8	1	0	0	0	84	41	48
01:00	0	0	0	0	3	8	19	16	6	7	1	0	0	0	60	41	49
02:00	0	0	0	0	3	14	16	17	5	2	0	0	0	0	57	39	44
03:00	0	0	0	0	1	16	19	17	4	2	0	0	0	0	59	39	44
04:00	0	0	0	0	4	68	66	18	12	5	1	0	0	0	174	38	42
05:00	0	0	0	0	11	95	134	61	34	10	2	2	0	0	349	39	44
06:00	0	0	1	1	19	215	268	165	83	32	14	0	1	0	799	39	45
07:00	4	8	16	11	85	500	600	311	145	45	5	1	0	0	1731	38	43
08:00	1	0	0	4	32	374	552	339	138	40	11	3	0	1	1495	39	44
09:00	0	0	0	2	36	331	555	345	153	32	12	3	0	0	1469	39	44
10:00	4	0	0	3	47	401	598	367	144	33	11	1	0	1	1610	39	44
11:00	0	0	0	4	55	415	602	401	159	51	11	4	1	0	1703	39	44
12 PM	2	0	0	9	82	480	670	395	146	48	8	3	2	0	1845	39	44
13:00	2	1	0	4	97	582	539	354	177	43	7	4	2	0	1812	38	44
14:00	1	1	5	33	233	684	632	365	118	28	7	2	1	0	2110	37	42
15:00	5	3	16	37	124	551	692	353	144	42	7	5	1	1	1981	38	43
16:00	1	0	3	11	108	515	627	434	154	55	5	2	1	1	1917	38	44
17:00	1	0	1	13	148	563	622	388	130	50	5	0	0	0	1921	38	43
18:00	1	1	0	3	38	342	455	337	165	49	5	2	1	0	1399	39	45
19:00	0	0	0	0	28	212	349	326	174	31	5	1	1	1	1128	40	46
20:00	0	0	0	0	8	101	202	204	110	35	6	1	0	1	668	41	47
21:00	0	0	0	0	6	83	123	130	79	17	6	3	1	0	448	41	47
22:00	0	0	0	0	8	46	79	93	19	8	2	0	0	0	255	40	44
23:00	0	0	0	0	6	24	47	39	18	6	4	1	0	0	145	41	47
Total	22	14	42	135	1185	6637	8495	5489	2329	679	136	38	12	6	25219		
Percent	0.1%	0.1%	0.2%	0.5%	4.7%	26.3%	33.7%	21.8%	9.2%	2.7%	0.5%	0.2%	0.0%	0.0%			
AM Peak	07:00	07:00	07:00	07:00	07:00	07:00	11:00	11:00	11:00	11:00	06:00	11:00	06:00	08:00	07:00		
Vol.	4	8	16	11	85	500	602	401	159	51	14	4	1	1	1731		
PM Peak	15:00	15:00	15:00	15:00	14:00	14:00	15:00	16:00	13:00	16:00	12:00	15:00	12:00	15:00	14:00		
Vol.	5	3	16	37	233	684	692	434	177	55	8	5	2	1	2110		
Total	22	14	42	135	1185	6637	8495	5489	2329	679	136	38	12	6	25219		
Percent	0.1%	0.1%	0.2%	0.5%	4.7%	26.3%	33.7%	21.8%	9.2%	2.7%	0.5%	0.2%	0.0%	0.0%			

15th Percentile : 31 MPH  
50th Percentile : 37 MPH  
85th Percentile : 44 MPH  
95th Percentile : 49 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 15133  
Percent in Pace : 60.0%  
Number of Vehicles > 35 MPH : 17184  
Percent of Vehicles > 35 MPH : 68.1%  
Mean Speed(Average) : 39 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 11/17/22  
Station ID: 22-1620-017  
Glassford Hill Rd south of Spouse Dr  
34.607786, -112.344885  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	0	0	0	2	8	14	4	1	1	0	0	30	47	51
01:00	0	0	0	0	0	1	2	14	17	6	0	0	0	0	40	46	50
02:00	0	0	0	0	0	0	2	8	13	1	1	0	0	0	25	46	49
03:00	0	0	0	0	0	0	0	6	12	3	2	0	0	0	23	48	52
04:00	0	0	0	0	0	1	4	25	16	8	0	0	0	0	54	45	49
05:00	0	0	0	0	0	0	10	40	50	18	3	1	0	0	122	47	51
06:00	0	0	0	0	0	2	14	121	136	54	10	3	0	0	340	47	51
07:00	0	0	0	0	1	6	57	237	263	66	9	1	2	0	642	46	49
08:00	0	0	0	1	0	1	43	217	240	54	7	2	0	0	565	46	49
09:00	0	0	0	0	0	3	52	198	251	76	9	0	0	0	589	46	49
10:00	0	0	0	0	0	1	46	267	277	50	4	1	1	0	647	46	49
11:00	0	0	0	1	1	4	35	319	312	70	8	2	0	0	752	46	49
12 PM	0	0	0	1	0	7	70	387	305	85	6	2	1	0	864	45	49
13:00	0	0	0	0	0	10	97	381	304	62	11	3	2	0	870	45	49
14:00	0	0	0	1	0	6	121	432	327	81	19	0	0	0	987	45	49
15:00	0	0	0	0	4	33	150	382	321	80	12	1	1	0	984	45	49
16:00	0	0	0	0	4	18	137	432	243	59	12	2	0	0	907	44	48
17:00	0	0	0	2	1	34	147	361	353	64	8	4	1	0	975	45	49
18:00	0	0	0	2	0	3	40	248	284	73	6	1	0	0	657	46	49
19:00	0	0	0	0	0	2	18	155	312	84	9	2	0	0	582	47	50
20:00	0	0	0	0	0	0	9	107	156	59	10	0	1	0	342	47	51
21:00	0	0	0	0	0	0	12	60	115	38	3	2	0	0	230	47	51
22:00	0	0	0	0	0	2	11	52	67	13	3	0	0	0	148	46	49
23:00	0	0	0	0	0	1	1	26	36	11	1	0	0	0	76	47	50
Total	0	0	0	8	11	135	1080	4483	4424	1119	154	28	9	0	11451		
Percent	0.0%	0.0%	0.0%	0.1%	0.1%	1.2%	9.4%	39.1%	38.6%	9.8%	1.3%	0.2%	0.1%	0.0%			
AM Peak				08:00	07:00	07:00	07:00	11:00	11:00	09:00	06:00	06:00	07:00		11:00		
Vol.				1	1	6	57	319	312	76	10	3	2		752		
PM Peak				17:00	15:00	17:00	15:00	14:00	17:00	12:00	14:00	17:00	13:00		14:00		
Vol.				2	4	34	150	432	353	85	19	4	2		987		
Total	0	0	0	8	11	135	1080	4483	4424	1119	154	28	9	0	11451		
Percent	0.0%	0.0%	0.0%	0.1%	0.1%	1.2%	9.4%	39.1%	38.6%	9.8%	1.3%	0.2%	0.1%	0.0%			

15th Percentile : 40 MPH  
50th Percentile : 45 MPH  
85th Percentile : 49 MPH  
95th Percentile : 53 MPH

Stats  
10 MPH Pace Speed : 41-50 MPH  
Number in Pace : 8907  
Percent in Pace : 77.8%  
Number of Vehicles > 45 MPH : 5734  
Percent of Vehicles > 45 MPH : 50.1%  
Mean Speed(Average) : 46 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-017  
Glassford Hill Rd south of Spouse Dr  
34.607786, -112.344885  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	0	0	0	3	10	5	1	0	0	0	0	19	44	48
01:00	0	0	0	0	0	0	1	11	3	1	0	0	0	0	16	44	47
02:00	0	0	0	0	0	0	2	11	6	1	1	0	0	0	21	45	49
03:00	0	0	0	0	0	1	7	12	15	1	0	0	0	0	36	44	48
04:00	0	0	0	0	0	0	17	51	38	6	0	1	0	0	113	45	48
05:00	0	0	0	0	5	79	64	37	17	0	1	0	0	0	203	38	43
06:00	1	0	0	1	13	76	97	100	12	0	0	0	0	0	300	38	43
07:00	1	0	1	6	10	43	127	144	22	2	1	0	0	0	357	40	44
08:00	1	1	2	1	8	70	120	126	22	2	0	0	0	0	353	39	43
09:00	1	0	2	3	9	71	97	129	27	2	0	0	0	0	341	39	44
10:00	0	0	0	1	7	60	188	362	166	14	1	0	0	0	799	42	46
11:00	0	0	0	0	0	12	134	454	243	24	2	0	0	0	869	44	47
12 PM	1	0	0	2	13	102	179	283	140	19	1	0	0	0	740	41	46
13:00	0	0	1	0	52	221	213	189	58	9	0	0	0	0	743	38	43
14:00	0	0	0	3	37	178	170	246	131	14	6	0	0	0	785	40	46
15:00	0	1	0	2	6	81	149	405	208	41	3	2	1	0	899	43	47
16:00	0	0	0	0	1	7	117	486	289	45	1	0	0	0	946	44	48
17:00	2	0	0	1	0	14	133	467	212	25	0	0	0	0	854	43	47
18:00	0	0	0	0	0	5	106	260	123	20	3	1	0	0	518	44	47
19:00	0	0	0	0	0	8	49	157	83	9	3	0	0	0	309	44	47
20:00	0	0	0	0	0	1	25	83	62	10	3	0	0	0	184	45	48
21:00	0	0	0	0	0	1	22	60	34	8	0	0	0	0	125	44	48
22:00	0	0	0	0	1	3	11	39	18	5	0	0	0	0	77	44	48
23:00	0	0	0	0	1	0	8	24	9	1	0	0	0	0	43	43	46
Total	7	2	6	20	163	1033	2039	4146	1943	260	26	4	1	0	9650		
Percent	0.1%	0.0%	0.1%	0.2%	1.7%	10.7%	21.1%	43.0%	20.1%	2.7%	0.3%	0.0%	0.0%	0.0%			
AM Peak	06:00	08:00	08:00	07:00	06:00	05:00	10:00	11:00	11:00	11:00	11:00	04:00			11:00		
Vol.	1	1	2	6	13	79	188	454	243	24	2	1			869		
PM Peak	17:00	15:00	13:00	14:00	13:00	13:00	13:00	16:00	16:00	16:00	14:00	15:00	15:00		16:00		
Vol.	2	1	1	3	52	221	213	486	289	45	6	2	1		946		
Total	7	2	6	20	163	1033	2039	4146	1943	260	26	4	1	0	9650		
Percent	0.1%	0.0%	0.1%	0.2%	1.7%	10.7%	21.1%	43.0%	20.1%	2.7%	0.3%	0.0%	0.0%	0.0%			

15th Percentile : 35 MPH  
50th Percentile : 41 MPH  
85th Percentile : 47 MPH  
95th Percentile : 49 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 6185  
Percent in Pace : 64.1%  
Number of Vehicles > 45 MPH : 2234  
Percent of Vehicles > 45 MPH : 23.2%  
Mean Speed(Average) : 42 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-017  
Glassford Hill Rd south of Spouse Dr  
34.607786, -112.344885  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	0	0	0	5	18	19	5	1	1	0	0	49	46	49
01:00	0	0	0	0	0	1	3	25	20	7	0	0	0	0	56	46	49
02:00	0	0	0	0	0	0	4	19	19	2	2	0	0	0	46	46	49
03:00	0	0	0	0	0	1	7	18	27	4	2	0	0	0	59	46	49
04:00	0	0	0	0	0	1	21	76	54	14	0	1	0	0	167	45	49
05:00	0	0	0	0	5	79	74	77	67	18	4	1	0	0	325	41	48
06:00	1	0	0	1	13	78	111	221	148	54	10	3	0	0	640	43	49
07:00	1	0	1	6	11	49	184	381	285	68	10	1	2	0	999	44	48
08:00	1	1	2	2	8	71	163	343	262	56	7	2	0	0	918	43	48
09:00	1	0	2	3	9	74	149	327	278	78	9	0	0	0	930	44	49
10:00	0	0	0	1	7	61	234	629	443	64	5	1	1	0	1446	44	48
11:00	0	0	0	1	1	16	169	773	555	94	10	2	0	0	1621	45	48
12 PM	1	0	0	3	13	109	249	670	445	104	7	2	1	0	1604	44	48
13:00	0	0	1	0	52	231	310	570	362	71	11	3	2	0	1613	42	47
14:00	0	0	0	4	37	184	291	678	458	95	25	0	0	0	1772	43	48
15:00	0	1	0	2	10	114	299	787	529	121	15	3	2	0	1883	44	48
16:00	0	0	0	0	5	25	254	918	532	104	13	2	0	0	1853	44	48
17:00	2	0	0	3	1	48	280	828	565	89	8	4	1	0	1829	44	48
18:00	0	0	0	2	0	8	146	508	407	93	9	2	0	0	1175	45	49
19:00	0	0	0	0	0	10	67	312	395	93	12	2	0	0	891	46	49
20:00	0	0	0	0	0	1	34	190	218	69	13	0	1	0	526	46	50
21:00	0	0	0	0	0	1	34	120	149	46	3	2	0	0	355	46	49
22:00	0	0	0	0	1	5	22	91	85	18	3	0	0	0	225	45	49
23:00	0	0	0	0	1	1	9	50	45	12	1	0	0	0	119	45	49
Total	7	2	6	28	174	1168	3119	8629	6367	1379	180	32	10	0	21101		
Percent	0.0%	0.0%	0.0%	0.1%	0.8%	5.5%	14.8%	40.9%	30.2%	6.5%	0.9%	0.2%	0.0%	0.0%			
AM Peak	06:00	08:00	08:00	07:00	06:00	05:00	10:00	11:00	11:00	11:00	06:00	06:00	07:00		11:00		
Vol.	1	1	2	6	13	79	234	773	555	94	10	3	2		1621		
PM Peak	17:00	15:00	13:00	14:00	13:00	13:00	13:00	16:00	17:00	15:00	14:00	17:00	13:00		15:00		
Vol.	2	1	1	4	52	231	310	918	565	121	25	4	2		1883		
Total	7	2	6	28	174	1168	3119	8629	6367	1379	180	32	10	0	21101		
Percent	0.0%	0.0%	0.0%	0.1%	0.8%	5.5%	14.8%	40.9%	30.2%	6.5%	0.9%	0.2%	0.0%	0.0%			

15th Percentile : 37 MPH  
50th Percentile : 43 MPH  
85th Percentile : 48 MPH  
95th Percentile : 51 MPH

Stats  
10 MPH Pace Speed : 41-50 MPH  
Number in Pace : 14996  
Percent in Pace : 71.1%  
Number of Vehicles > 45 MPH : 7968  
Percent of Vehicles > 45 MPH : 37.8%  
Mean Speed(Average) : 44 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 11/17/22  
Station ID: 22-1620-016  
Glassford Hill Rd south of Tuscany Way  
34.622460, -112.350273  
Latitude: 0' 0.0000 Undefined

## Northbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
11/17/22	0	0	0	0	0	0	3	17	7	1	0	0	0	0	28	44	47
01:00	0	0	0	0	0	0	8	28	5	2	0	0	0	0	43	43	45
02:00	0	0	0	0	0	0	7	16	7	0	0	0	0	0	30	43	46
03:00	0	0	0	0	0	0	9	18	4	1	0	0	0	0	32	43	45
04:00	0	0	0	0	0	4	21	41	10	1	0	0	0	0	77	42	44
05:00	0	0	0	0	0	2	40	99	40	11	0	1	0	0	193	44	47
06:00	0	0	0	0	0	1	83	279	135	21	2	2	0	0	523	44	48
07:00	0	0	1	3	6	26	151	433	217	24	2	0	0	0	863	43	47
08:00	0	0	0	0	0	5	92	397	190	26	1	0	0	0	711	44	47
09:00	0	0	0	0	2	4	96	346	162	17	1	0	0	0	628	44	47
10:00	0	0	0	0	0	11	104	369	186	16	3	1	0	0	690	44	47
11:00	0	0	0	1	0	0	115	423	186	22	2	0	0	0	749	44	47
12 PM	0	0	0	0	0	8	169	470	210	20	0	0	0	0	877	43	47
13:00	0	0	0	1	2	10	128	495	219	32	3	0	0	0	890	44	47
14:00	0	0	0	0	2	21	193	552	172	21	1	0	0	0	962	43	46
15:00	0	0	0	0	1	18	242	542	226	29	7	0	0	0	1065	43	47
16:00	1	0	0	3	2	18	202	481	197	29	7	0	0	0	940	43	47
17:00	0	0	3	5	7	55	184	440	188	25	0	0	0	0	907	42	47
18:00	0	0	0	2	1	8	138	343	154	13	1	0	0	0	660	43	47
19:00	0	0	0	0	0	2	116	253	113	15	4	0	0	0	503	43	47
20:00	0	0	0	0	0	1	40	159	96	14	0	0	0	0	310	44	48
21:00	0	0	0	0	0	0	32	122	56	3	2	0	0	0	215	44	47
22:00	0	0	0	0	0	4	17	82	25	5	0	0	0	0	133	43	47
23:00	0	0	0	0	0	1	9	44	16	1	0	0	0	0	71	43	46
Total	1	0	4	15	23	199	2199	6449	2821	349	36	4	0	0	12100		
Percent	0.0%	0.0%	0.0%	0.1%	0.2%	1.6%	18.2%	53.3%	23.3%	2.9%	0.3%	0.0%	0.0%	0.0%			
AM Peak			07:00	07:00	07:00	07:00	07:00	07:00	07:00	08:00	10:00	06:00			07:00		
Vol.			1	3	6	26	151	433	217	26	3	2			863		
PM Peak	16:00		17:00	17:00	17:00	17:00	15:00	14:00	15:00	13:00	15:00				15:00		
Vol.	1		3	5	7	55	242	552	226	32	7				1065		
Total	1	0	4	15	23	199	2199	6449	2821	349	36	4	0	0	12100		
Percent	0.0%	0.0%	0.0%	0.1%	0.2%	1.6%	18.2%	53.3%	23.3%	2.9%	0.3%	0.0%	0.0%	0.0%			

15th Percentile : 38 MPH  
50th Percentile : 42 MPH  
85th Percentile : 47 MPH  
95th Percentile : 49 MPH

Stats  
10 MPH Pace Speed : 41-50 MPH  
Number in Pace : 9270  
Percent in Pace : 76.6%  
Number of Vehicles > 45 MPH : 3210  
Percent of Vehicles > 45 MPH : 26.5%  
Mean Speed(Average) : 43 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-016  
Glassford Hill Rd south of Tuscany Way  
34.622460, -112.350273  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	0	0	1	1	1	7	13	3	1	0	0	27	51	54
01:00	0	0	0	0	0	0	0	3	6	3	1	0	0	0	13	49	53
02:00	0	0	0	0	0	0	0	2	4	3	2	0	0	0	11	50	55
03:00	0	0	0	0	0	0	0	2	3	7	1	0	0	0	13	51	54
04:00	0	0	0	0	0	0	1	4	16	23	4	2	0	0	50	51	54
05:00	0	0	0	0	0	0	0	10	55	42	16	3	0	0	126	51	55
06:00	0	0	0	1	0	1	1	35	149	159	38	2	0	0	386	51	54
07:00	1	0	0	1	0	1	6	80	241	218	73	3	0	0	624	50	54
08:00	0	0	0	0	0	1	9	102	278	210	63	8	2	0	673	50	54
09:00	1	0	0	1	0	2	5	73	242	225	64	5	0	0	618	50	54
10:00	0	0	0	0	0	2	18	86	271	203	58	3	0	0	641	50	54
11:00	1	0	0	0	0	1	18	98	283	231	72	9	1	0	714	50	54
12 PM	0	0	0	0	0	1	13	82	318	299	72	7	2	0	794	50	54
13:00	0	0	0	0	0	1	19	103	329	273	74	15	1	0	815	50	54
14:00	0	0	0	0	0	1	28	108	326	305	93	11	1	0	873	50	54
15:00	0	0	0	0	0	0	17	115	347	278	76	7	1	0	841	50	54
16:00	0	0	0	0	1	7	18	138	326	279	86	10	3	0	868	50	54
17:00	0	1	0	0	0	2	25	106	313	239	63	9	0	0	758	49	54
18:00	0	0	0	0	1	0	1	60	182	178	56	8	1	0	487	51	54
19:00	0	0	0	0	0	0	1	37	145	117	44	2	1	0	347	51	54
20:00	0	0	0	0	0	0	1	33	102	98	41	1	0	0	276	51	55
21:00	0	0	0	0	0	0	0	33	55	59	31	2	0	0	180	51	55
22:00	0	0	0	0	0	0	0	2	17	15	11	1	0	0	46	52	57
23:00	0	0	0	0	0	0	0	7	11	14	0	1	0	0	33	50	53
Total	3	1	0	3	2	21	182	1320	4026	3491	1042	110	13	0	10214		
Percent	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	1.8%	12.9%	39.4%	34.2%	10.2%	1.1%	0.1%	0.0%			
AM Peak	07:00			06:00		09:00	10:00	08:00	11:00	11:00	07:00	11:00	08:00		11:00		
Vol.	1			1		2	18	102	283	231	73	9	2		714		
PM Peak		17:00			16:00	16:00	14:00	16:00	15:00	14:00	14:00	13:00	16:00		14:00		
Vol.		1			1	7	28	138	347	305	93	15	3		873		
Total	3	1	0	3	2	21	182	1320	4026	3491	1042	110	13	0	10214		
Percent	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	1.8%	12.9%	39.4%	34.2%	10.2%	1.1%	0.1%	0.0%			

15th Percentile : 45 MPH  
50th Percentile : 49 MPH  
85th Percentile : 54 MPH  
95th Percentile : 58 MPH

Stats  
10 MPH Pace Speed : 46-55 MPH  
Number in Pace : 7517  
Percent in Pace : 73.6%  
Number of Vehicles > 45 MPH : 8682  
Percent of Vehicles > 45 MPH : 85.0%  
Mean Speed(Average) : 50 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-016  
Glassford Hill Rd south of Tuscany Way  
34.622460, -112.350273  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
11/17/22	0	0	0	0	0	1	4	18	14	14	3	1	0	0	55	47	53
01:00	0	0	0	0	0	0	8	31	11	5	1	0	0	0	56	44	48
02:00	0	0	0	0	0	0	7	18	11	3	2	0	0	0	41	45	49
03:00	0	0	0	0	0	0	9	20	7	8	1	0	0	0	45	45	51
04:00	0	0	0	0	0	4	22	45	26	24	4	2	0	0	127	46	52
05:00	0	0	0	0	0	2	40	109	95	53	16	4	0	0	319	46	52
06:00	0	0	0	1	0	2	84	314	284	180	40	4	0	0	909	47	52
07:00	1	0	1	4	6	27	157	513	458	242	75	3	0	0	1487	46	52
08:00	0	0	0	0	0	6	101	499	468	236	64	8	2	0	1384	47	52
09:00	1	0	0	1	2	6	101	419	404	242	65	5	0	0	1246	47	52
10:00	0	0	0	0	0	13	122	455	457	219	61	4	0	0	1331	47	51
11:00	1	0	0	1	0	1	133	521	469	253	74	9	1	0	1463	47	52
12 PM	0	0	0	0	0	9	182	552	528	319	72	7	2	0	1671	47	52
13:00	0	0	0	1	2	11	147	598	548	305	77	15	1	0	1705	47	52
14:00	0	0	0	0	2	22	221	660	498	326	94	11	1	0	1835	46	52
15:00	0	0	0	0	1	18	259	657	573	307	83	7	1	0	1906	46	51
16:00	1	0	0	3	3	25	220	619	523	308	93	10	3	0	1808	46	52
17:00	0	1	3	5	7	57	209	546	501	264	63	9	0	0	1665	46	51
18:00	0	0	0	2	2	8	139	403	336	191	57	8	1	0	1147	46	52
19:00	0	0	0	0	0	2	117	290	258	132	48	2	1	0	850	46	52
20:00	0	0	0	0	0	1	41	192	198	112	41	1	0	0	586	47	52
21:00	0	0	0	0	0	0	32	155	111	62	33	2	0	0	395	47	53
22:00	0	0	0	0	0	4	17	84	42	20	11	1	0	0	179	46	51
23:00	0	0	0	0	0	1	9	51	27	15	0	1	0	0	104	45	50
Total	4	1	4	18	25	220	2381	7769	6847	3840	1078	114	13	0	22314		
Percent	0.0%	0.0%	0.0%	0.1%	0.1%	1.0%	10.7%	34.8%	30.7%	17.2%	4.8%	0.5%	0.1%	0.0%			
AM Peak	07:00		07:00	07:00	07:00	07:00	07:00	11:00	11:00	11:00	07:00	11:00	08:00		07:00		
Vol.	1		1	4	6	27	157	521	469	253	75	9	2		1487		
PM Peak	16:00	17:00	17:00	17:00	17:00	17:00	15:00	14:00	15:00	14:00	14:00	13:00	16:00		15:00		
Vol.	1	1	3	5	7	57	259	660	573	326	94	15	3		1906		
Total	4	1	4	18	25	220	2381	7769	6847	3840	1078	114	13	0	22314		
Percent	0.0%	0.0%	0.0%	0.1%	0.1%	1.0%	10.7%	34.8%	30.7%	17.2%	4.8%	0.5%	0.1%	0.0%			

15th Percentile : 40 MPH  
50th Percentile : 45 MPH  
85th Percentile : 52 MPH  
95th Percentile : 55 MPH

Stats  
10 MPH Pace Speed : 41-50 MPH  
Number in Pace : 14616  
Percent in Pace : 65.5%  
Number of Vehicles > 45 MPH : 11892  
Percent of Vehicles > 45 MPH : 53.3%  
Mean Speed(Average) : 46 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-078  
Glassford Hill Rd btwn SR-89A & Tuscany  
Way 34.628630, -112.353561  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	0	2	10	10	5	3	1	0	0	0	31	43	49
01:00	0	0	0	0	0	1	4	7	4	7	2	0	0	0	25	47	53
02:00	0	0	0	0	0	3	7	18	4	0	0	0	0	0	32	42	44
03:00	0	0	1	0	0	3	12	18	13	5	2	0	0	0	54	44	49
04:00	0	0	0	0	0	2	22	39	31	5	6	1	0	0	106	45	49
05:00	0	0	0	0	0	23	55	109	77	31	8	4	0	0	307	44	49
06:00	0	3	10	0	15	30	151	214	136	44	14	3	0	0	620	43	48
07:00	2	3	6	7	31	53	212	301	153	55	5	3	0	0	831	42	47
08:00	0	0	0	1	5	65	193	265	170	42	6	4	0	0	751	43	48
09:00	0	0	0	2	17	46	175	263	173	44	10	5	0	0	735	43	48
10:00	0	0	0	3	13	67	221	272	141	40	9	2	0	0	768	42	47
11:00	0	0	0	0	9	91	233	235	132	26	5	3	0	0	734	41	47
12 PM	2	3	5	7	21	113	255	317	126	53	13	3	0	4	922	41	47
13:00	0	0	0	0	19	103	222	305	174	41	10	2	0	0	876	42	47
14:00	0	0	2	9	16	86	260	294	163	48	4	8	0	0	890	42	47
15:00	0	0	0	6	19	99	234	318	183	44	11	8	0	0	922	42	47
16:00	0	0	0	7	30	98	244	310	209	47	9	1	0	0	955	42	47
17:00	0	0	0	0	13	35	191	324	168	59	7	3	0	0	800	43	48
18:00	0	0	0	0	6	33	112	271	145	39	6	3	0	0	615	43	48
19:00	0	0	0	0	3	31	100	157	105	36	8	5	0	0	445	44	49
20:00	0	0	0	0	2	15	90	134	72	14	2	1	0	0	330	43	47
21:00	0	0	0	9	30	99	191	184	85	20	5	0	0	0	623	40	45
22:00	0	0	0	0	1	7	31	72	34	10	6	4	0	0	165	44	49
23:00	0	0	0	0	0	4	13	28	19	2	2	0	0	0	68	44	48
Total	4	9	24	51	250	1109	3238	4465	2522	715	151	63	0	4	12605		
Percent	0.0%	0.1%	0.2%	0.4%	2.0%	8.8%	25.7%	35.4%	20.0%	5.7%	1.2%	0.5%	0.0%	0.0%			
AM Peak	07:00	06:00	06:00	07:00	07:00	11:00	11:00	07:00	09:00	07:00	06:00	09:00			07:00		
Vol.	2	3	10	7	31	91	233	301	173	55	14	5			831		
PM Peak	12:00	12:00	12:00	14:00	16:00	12:00	14:00	17:00	16:00	17:00	12:00	14:00		12:00	16:00		
Vol.	2	3	5	9	30	113	260	324	209	59	13	8		4	955		
Total	4	9	24	51	250	1109	3238	4465	2522	715	151	63	0	4	12605		
Percent	0.0%	0.1%	0.2%	0.4%	2.0%	8.8%	25.7%	35.4%	20.0%	5.7%	1.2%	0.5%	0.0%	0.0%			

15th Percentile : 35 MPH  
50th Percentile : 41 MPH  
85th Percentile : 48 MPH  
95th Percentile : 52 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 7703  
Percent in Pace : 61.1%  
Number of Vehicles > 45 MPH : 3455  
Percent of Vehicles > 45 MPH : 27.4%  
Mean Speed(Average) : 42 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-078  
Glassford Hill Rd btwn SR-89A & Tuscany  
Way 34.628630, -112.353561  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	0	0	9	7	1	0	0	0	0	0	17	41	43
01:00	0	0	0	0	0	0	7	4	1	0	0	0	0	0	12	40	43
02:00	0	0	0	0	0	0	12	8	0	0	0	0	0	0	20	40	43
03:00	0	0	0	0	0	1	10	11	1	0	0	0	0	0	23	41	43
04:00	0	0	0	0	0	2	50	36	1	2	1	0	0	0	92	41	43
05:00	0	0	0	0	0	7	67	99	10	2	0	0	0	0	185	41	44
06:00	0	0	0	1	1	14	147	195	28	1	0	0	0	0	387	41	44
07:00	1	0	1	0	2	34	230	311	35	3	0	0	0	0	617	41	44
08:00	0	0	1	0	8	63	302	279	29	2	0	0	0	0	684	40	43
09:00	0	0	0	0	2	58	355	275	28	1	0	0	0	0	719	40	43
10:00	0	0	1	2	4	54	367	282	22	2	0	0	0	0	734	40	43
11:00	0	0	0	0	1	54	337	295	32	2	0	0	0	0	721	40	43
12 PM	1	0	1	2	2	42	354	296	29	2	0	0	0	0	729	40	43
13:00	1	0	0	1	0	26	316	324	35	2	1	0	0	0	706	41	43
14:00	1	0	0	3	1	36	373	317	49	6	0	0	0	0	786	40	44
15:00	0	0	0	0	5	47	347	358	48	2	0	0	0	0	807	40	44
16:00	4	0	2	1	1	17	355	425	88	3	1	0	0	0	897	41	44
17:00	2	0	1	1	3	33	338	431	51	4	0	0	0	0	864	41	44
18:00	0	0	0	0	1	14	267	350	71	1	4	0	0	0	708	41	44
19:00	0	0	0	0	1	11	131	153	27	4	0	0	0	0	327	41	44
20:00	0	0	0	1	0	13	121	97	12	1	0	0	0	0	245	40	43
21:00	0	0	0	0	1	8	70	54	8	2	0	0	0	0	143	40	43
22:00	0	0	0	0	0	2	41	38	7	0	0	0	0	0	88	41	44
23:00	0	0	0	0	1	3	30	19	1	0	0	0	0	0	54	39	43
Total	10	0	7	12	34	539	4636	4664	614	42	7	0	0	0	10565		
Percent	0.1%	0.0%	0.1%	0.1%	0.3%	5.1%	43.9%	44.1%	5.8%	0.4%	0.1%	0.0%	0.0%	0.0%			
AM Peak	07:00		07:00	10:00	08:00	08:00	10:00	07:00	07:00	07:00	04:00				10:00		
Vol.	1		1	2	8	63	367	311	35	3	1				734		
PM Peak	16:00		16:00	14:00	15:00	15:00	14:00	17:00	16:00	14:00	18:00				16:00		
Vol.	4		2	3	5	47	373	431	88	6	4				897		
Total	10	0	7	12	34	539	4636	4664	614	42	7	0	0	0	10565		
Percent	0.1%	0.0%	0.1%	0.1%	0.3%	5.1%	43.9%	44.1%	5.8%	0.4%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 36 MPH  
50th Percentile : 40 MPH  
85th Percentile : 44 MPH  
95th Percentile : 46 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 9301  
Percent in Pace : 88.0%  
Number of Vehicles > 45 MPH : 663  
Percent of Vehicles > 45 MPH : 6.3%  
Mean Speed(Average) : 41 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 3

Site Code: Tues 05/30/23  
Station ID: 23-1225-078  
Glassford Hill Rd btwn SR-89A & Tuscany  
Way 34.628630, -112.353561  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	0	2	19	17	6	3	1	0	0	0	48	42	47
01:00	0	0	0	0	0	1	11	11	5	7	2	0	0	0	37	45	52
02:00	0	0	0	0	0	3	19	26	4	0	0	0	0	0	52	41	44
03:00	0	0	1	0	0	4	22	29	14	5	2	0	0	0	77	43	48
04:00	0	0	0	0	0	4	72	75	32	7	7	1	0	0	198	43	47
05:00	0	0	0	0	0	30	122	208	87	33	8	4	0	0	492	43	48
06:00	0	<b>3</b>	<b>10</b>	1	16	44	298	409	164	45	<b>14</b>	3	0	0	1007	42	47
07:00	<b>3</b>	3	7	<b>7</b>	<b>33</b>	87	442	<b>612</b>	188	<b>58</b>	5	3	0	0	1448	41	45
08:00	0	0	1	1	13	128	495	544	199	44	6	4	0	0	1435	41	45
09:00	0	0	0	2	19	104	530	538	<b>201</b>	45	10	<b>5</b>	0	0	1454	41	46
10:00	0	0	1	5	17	121	<b>588</b>	554	163	42	9	2	0	0	<b>1502</b>	41	44
11:00	0	0	0	0	10	<b>145</b>	570	530	164	28	5	3	0	0	1455	41	44
12 PM	3	<b>3</b>	<b>6</b>	9	23	<b>155</b>	609	613	155	55	<b>13</b>	3	0	<b>4</b>	1651	41	44
13:00	1	0	0	1	19	129	538	629	209	43	11	2	0	0	1582	41	45
14:00	1	0	2	<b>12</b>	17	122	<b>633</b>	611	212	54	4	<b>8</b>	0	0	1676	41	45
15:00	0	0	0	6	24	146	581	676	231	46	11	8	0	0	1729	41	45
16:00	<b>4</b>	0	2	8	<b>31</b>	115	599	735	<b>297</b>	50	10	1	0	0	<b>1852</b>	41	46
17:00	2	0	1	1	16	68	529	<b>755</b>	219	<b>63</b>	7	3	0	0	1664	42	45
18:00	0	0	0	0	7	47	379	621	216	40	10	3	0	0	1323	42	46
19:00	0	0	0	0	4	42	231	310	132	40	8	5	0	0	772	43	47
20:00	0	0	0	1	2	28	211	231	84	15	2	1	0	0	575	42	45
21:00	0	0	0	9	31	107	261	238	93	22	5	0	0	0	766	40	45
22:00	0	0	0	0	1	9	72	110	41	10	6	4	0	0	253	43	47
23:00	0	0	0	0	1	7	43	47	20	2	2	0	0	0	122	42	46
Total	14	9	31	63	284	1648	7874	9129	3136	757	158	63	0	4	23170		
Percent	0.1%	0.0%	0.1%	0.3%	1.2%	7.1%	34.0%	39.4%	13.5%	3.3%	0.7%	0.3%	0.0%	0.0%			
AM Peak	07:00	06:00	06:00	07:00	07:00	11:00	10:00	07:00	09:00	07:00	06:00	09:00			10:00		
Vol.	3	3	10	7	33	145	588	612	201	58	14	5			1502		
PM Peak	16:00	12:00	12:00	14:00	16:00	12:00	14:00	17:00	16:00	17:00	12:00	14:00		12:00	16:00		
Vol.	4	3	6	12	31	155	633	755	297	63	13	8		4	1852		
Total	14	9	31	63	284	1648	7874	9129	3136	757	158	63	0	4	23170		
Percent	0.1%	0.0%	0.1%	0.3%	1.2%	7.1%	34.0%	39.4%	13.5%	3.3%	0.7%	0.3%	0.0%	0.0%			

15th Percentile : 35 MPH  
50th Percentile : 40 MPH  
85th Percentile : 46 MPH  
95th Percentile : 49 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 17004  
Percent in Pace : 73.4%  
Number of Vehicles > 45 MPH : 4118  
Percent of Vehicles > 45 MPH : 17.8%  
Mean Speed(Average) : 41 MPH

## Crash Summary

### Segment 1: State Route 69 to Long Look Drive

Data Period: 2019 - 2021

Total Crashes: 185

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3601252	12/23/2019	10:02 PM	2019	Glassford Hill Road	Lakeshore Drive	100	No Injury	Single Vehicle	Dark Lighted	1	0	0	
2	3531285	5/9/2019	9:44 PM	2019	Glassford Hill Road	Lakeshore Drive	15	Possible Injury	U-turn	Dark Lighted	2	1	0	
3	3543064	6/22/2019	1:48 PM	2019	Glassford Hill Road	Lakeshore Drive	0	No Injury	Single Vehicle	Daylight	1	0	0	
4	3543066	6/24/2019	9:08 AM	2019	Glassford Hill Road	Lakeshore Drive	0	No Injury	Single Vehicle	Daylight	1	0	0	
5	3558753	9/6/2019	1:31 PM	2019	Glassford Hill Road	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	
6	3510554	4/17/2019	6:33 PM	2019	Lakeshore Drive	Glassford Hill Road	0	No Injury	Rear-end	Daylight	2	0	0	Yes
7	3544404	8/6/2019	10:24 AM	2019	Lakeshore Drive	Glassford Hill Road	0	No Injury	Angle	Daylight	2	0	0	
8	3557322	8/6/2019	10:24 AM	2019	Lakeshore Drive	Glassford Hill Road	0	No Injury	Angle	Daylight	2	0	0	
9	3547021	7/18/2019	9:40 AM	2019	Glassford Hill Road	Lakeshore Drive	0	Serious Injury	Left Turn	Daylight	2	1	0	
10	3558757	9/18/2019	5:03 PM	2019	Glassford Hill Road	Lakeshore Drive	25	No Injury	Sideswipe	Daylight	2	0	0	
11	3502873	3/16/2019	8:09 PM	2019	Glassford Hill Road	Lakeshore Drive	-200	No Injury	Sideswipe	Dark Lighted	2	0	0	
12	3573714	10/21/2019	1:35 PM	2019	Glassford Hill Road	Lakeshore Drive	-200	No Injury	Sideswipe	Daylight	2	0	0	
13	3485119	2/7/2019	5:21 PM	2019	Glassford Hill Road	Lakeshore Drive	60	Minor Injury	Rear-end	Daylight	2	2	0	Yes
14	3474438	1/14/2019	9:44 AM	2019	Glassford Hill Road	Lakeshore Drive	527	Possible Injury	Rear-end	Daylight	2	1	0	Yes
15	3547029	7/24/2019	1:04 AM	2019	Glassford Hill Road	Panther Path	-10	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	
16	3544405	8/7/2019	1:31 PM	2019	Glassford Hill Road	Panther Path	0	Minor Injury	Angle	Daylight	2	3	0	
17	3510569	4/25/2019	10:22 AM	2019	Glassford Hill Road	Long Look Drive	-250	Possible Injury	Rear-end	Daylight	2	2	0	
18	3573719	10/21/2019	1:32 PM	2019	Long Look Drive	Glassford Hill Road	47	Possible Injury	Rear-end	Daylight	2	1	0	Yes
19	3517475	5/13/2019	1:34 PM	2019	Glassford Hill Road	Long Look Drive	-57	Possible Injury	Rear-end	Daylight	2	1	0	Yes
20	3474386	1/14/2019	3:01 PM	2019	Glassford Hill Road	Long Look Drive	0	No Injury	Single Vehicle	Daylight	1	0	0	Yes
21	3485122	1/31/2019	3:51 PM	2019	Glassford Hill Road	Florentine Road	50	No Injury	Sideswipe	Daylight	3	0	0	
22	3533016	5/17/2019	12:30 PM	2019	Glassford Hill Road	Florentine Road	50	Possible Injury	Rear-end	Daylight	2	1	0	
23	3484923	2/13/2019	2:42 PM	2019	Glassford Hill Road	Florentine Road	30	Possible Injury	Rear-end	Daylight	2	1	0	
24	3584439	10/13/2019	4:32 PM	2019	Florentine Road	Glassford Hill Road	15	Minor Injury	Rear-end	Daylight	2	2	0	Yes
25	3517467	5/4/2019	8:08 AM	2019	Glassford Hill Road	Florentine Road	40	No Injury	Rear-end	Unknown	2	0	0	Yes
26	3557310	8/14/2019	1:28 PM	2019	Glassford Hill Road	Florentine Road	20	No Injury	Sideswipe	Daylight	2	0	0	
27	3531263	5/31/2019	9:24 AM	2019	Glassford Hill Road	Florentine Road	0	Possible Injury	Angle	Daylight	3	3	0	
28	3547018	7/27/2019	2:04 PM	2019	Glassford Hill Road	Florentine Road	0	Possible Injury	Left Turn	Daylight	2	2	0	
29	3557312	8/14/2019	1:24 PM	2019	Glassford Hill Road	Florentine Road	0	No Injury	Left Turn	Daylight	2	0	0	
30	3576975	10/25/2019	4:00 PM	2019	Glassford Hill Road	Florentine Road	0	No Injury	Left Turn	Daylight	2	0	0	
31	3608673	10/30/2019	5:21 PM	2019	Florentine Road	Glassford Hill Road	0	No Injury	Angle	Daylight	2	0	0	
32	3497310	2/27/2019	5:03 PM	2019	Florentine Road	Glassford Hill Road	0	No Injury	Angle	Daylight	2	0	0	
33	3522559	5/23/2019	2:02 PM	2019	Florentine Road	Glassford Hill Road	-27	No Injury	Angle	Daylight	2	0	0	
34	3547007	8/6/2019	7:39 PM	2019	Centre Court	Glassford Hill Road	50	No Injury	Rear-end	Dusk	2	0	0	Yes
35	3510568	4/21/2019	12:09 PM	2019	Glassford Hill Road	Centre Court	0	Possible Injury	Angle	Daylight	2	1	0	
36	3588969	11/13/2019	10:57 AM	2019	Glassford Hill Road	Centre Court	0	Possible Injury	Left Turn	Daylight	2	2	0	
37	3601263	12/1/2019	12:28 PM	2019	Centre Court	Glassford Hill Road	0	No Injury	Angle	Daylight	2	0	0	
38	3485137	2/1/2019	4:12 PM	2019	Glassford Hill Road	Centre Court	0	No Injury	Left Turn	Daylight	2	0	0	
39	3474423	1/5/2019	10:10 AM	2019	Glassford Hill Road	Centre Court	-10	No Injury	Rear-end	Daylight	2	0	0	Yes
40	3484447	1/22/2019	7:15 PM	2019	Glassford Hill Road	Pav Way	-50	No Injury	Sideswipe	Dark Not Lighted	2	0	0	



No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
41	3603743	12/28/2019	8:32 AM	2019	Glassford Hill Road	SR-69	50	No Injury	Single Vehicle	Daylight	1	0	0	
42	3484976	2/19/2019	5:28 PM	2019	Glassford Hill Road	SR-69	25	No Injury	Sideswipe	Dusk	2	0	0	
43	3608546	12/27/2019	1:49 PM	2019	Glassford Hill Road	SR-69	20	No Injury	Rear-end	Daylight	2	0	0	Yes
44	3578828	10/18/2019	7:41 AM	2019	Glassford Hill Road	SR-69	0	Possible Injury	Rear-end	Daylight	3	1	0	
45	3584433	9/26/2019	7:33 PM	2019	Glassford Hill Road	SR-69	0	Minor Injury	Angle	Dark Lighted	2	1	0	
46	3533015	5/10/2019	4:08 PM	2019	SR-69	Glassford Hill Road	0	No Injury	Rear-end	Daylight	2	0	0	Yes
47	3543059	7/7/2019	9:09 PM	2019	SR-69	Glassford Hill Road	0	Minor Injury	Angle	Dark Lighted	2	1	0	
48	3601259	12/10/2019	6:35 PM	2019	SR-69	Glassford Hill Road	0	No Injury	Sideswipe	Dark Lighted	2	0	0	
49	3497305	2/20/2019	3:58 PM	2019	SR-69	Glassford Hill Road	20	No Injury	Sideswipe	Daylight	2	0	0	
50	3615367	12/28/2019	9:00 AM	2019	SR-69	Glassford Hill Road	20	No Injury	Rear-end	Daylight	2	0	0	Yes
51	3517492	5/3/2019	1:37 PM	2019	SR-69	Glassford Hill Road	25	No Injury	Rear-end	Daylight	2	0	0	Yes
52	3517488	5/9/2019	8:23 PM	2019	SR-69	Glassford Hill Road	30	Possible Injury	Rear-end	Dark Lighted	2	2	0	Yes
53	3565266	9/18/2019	1:29 PM	2019	SR-69	Glassford Hill Road	45	No Injury	Rear-end	Daylight	2	0	0	Yes
54	3557300	8/10/2019	2:30 PM	2019	SR-69	Glassford Hill Road	50	Minor Injury	Sideswipe	Daylight	2	1	0	
55	3565246	9/10/2019	5:32 AM	2019	SR-69	Glassford Hill Road	50	No Injury	Left Turn	Dawn	2	0	0	
56	3680291	9/6/2020	2:19 PM	2020	Lakeshore Drive	Glassford Hill Road	50	No Injury	Sideswipe	Daylight	2	0	0	
57	3697714	10/23/2020	1:13 PM	2020	Lakeshore Drive	Glassford Hill Road	50	No Injury	Rear-end	Daylight	2	0	0	Yes
58	3699522	11/3/2020	6:36 AM	2020	Lakeshore Drive	Glassford Hill Road	47	Possible Injury	Rear-end	Dark Lighted	2	1	0	
59	3705873	11/18/2020	1:36 PM	2020	Glassford Hill Road	Lakeshore Drive	300	No Injury	Sideswipe	Daylight	2	0	0	
60	3678017	8/26/2020	3:30 PM	2020	Glassford Hill Road	Lakeshore Drive	20	No Injury	Rear-end	Daylight	2	0	0	Yes
61	3639022	3/28/2020	12:13 PM	2020	Glassford Hill Road	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	Yes
62	3702938	10/29/2020	1:30 PM	2020	Glassford Hill Road	Lakeshore Drive	0	Possible Injury	Left Turn	Daylight	2	1	0	
63	3619037	2/7/2020	5:09 PM	2020	Lakeshore Drive	Glassford Hill Road	0	Possible Injury	Angle	Dusk	2	1	0	
64	3647532	5/5/2020	2:52 PM	2020	Glassford Hill Road	Sundogs Boulevard	20	Possible Injury	Angle	Daylight	2	1	0	
65	3695098	10/16/2020	6:31 PM	2020	Glassford Hill Road	Sundogs Boulevard	0	Possible Injury	Left Turn	Dark Lighted	2	2	0	
66	3619038	2/7/2020	5:50 PM	2020	Sundogs Boulevard	Glassford Hill Road	0	Possible Injury	Rear-end	Dusk	2	1	0	Yes
67	3652614	6/7/2020	7:18 PM	2020	Sundogs Boulevard	Glassford Hill Road	0	Possible Injury	Left Turn	Daylight	2	1	0	
68	3691123	10/8/2020	6:10 PM	2020	Sundogs Boulevard	Glassford Hill Road	0	No Injury	Rear-end	Dark Lighted	2	0	0	Yes
69	3651790	6/3/2020	2:31 PM	2020	Glassford Hill Road	Long Look Drive	-100	No Injury	Sideswipe	Daylight	2	0	0	
70	3685920	9/24/2020	6:47 PM	2020	Glassford Hill Road	Long Look Drive	-25	No Injury	Left Turn	Dark Lighted	3	0	0	
71	3627510	2/15/2020	1:22 PM	2020	Glassford Hill Road	Florentine Road	100	No Injury	Sideswipe	Daylight	2	0	0	
72	3656628	6/21/2020	11:05 AM	2020	Glassford Hill Road	Florentine Road	30	Possible Injury	Rear-end	Daylight	2	1	0	Yes
73	3610174	1/10/2020	9:17 AM	2020	Glassford Hill Road	Florentine Road	25	Possible Injury	Rear-end	Daylight	2	3	0	Yes
74	3686934	9/14/2020	9:36 PM	2020	Glassford Hill Road	Florentine Road	0	Minor Injury	Left Turn	Dark Lighted	2	1	0	
75	3697719	10/23/2020	1:35 PM	2020	Glassford Hill Road	Florentine Road	0	No Injury	Left Turn	Daylight	3	0	0	
76	3617266	1/28/2020	4:46 PM	2020	Florentine Road	Glassford Hill Road	0	No Injury	Sideswipe	Daylight	2	0	0	
77	3668047	7/30/2020	4:20 PM	2020	Glassford Hill Road	Florentine Road	0	Minor Injury	Left Turn	Daylight	2	1	0	
78	3637956	3/21/2020	5:00 PM	2020	Florentine Road	Glassford Hill Road	-10	No Injury	Rear-end	Daylight	2	0	0	Yes
79	3639747	4/2/2020	12:15 PM	2020	Glassford Hill Road	Florentine Road	-30	No Injury	Rear-end	Daylight	3	0	0	Yes
80	3661085	7/5/2020	11:47 AM	2020	Glassford Hill Road	Centre Court	627	No Injury	Rear-end	Daylight	2	0	0	Yes

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
81	3705872	11/11/2020	6:07 PM	2020	Glassford Hill Road	Centre Court	100	No Injury	Rear-end	Dark Lighted	2	0	0	Yes
82	3625985	2/21/2020	12:31 PM	2020	Centre Court	Glassford Hill Road	0	Possible Injury	Left Turn	Daylight	2	1	0	
83	3627512	2/26/2020	5:31 PM	2020	Glassford Hill Road	Centre Court	0	No Injury	Left Turn	Dusk	2	0	0	
84	3641715	4/10/2020	8:16 AM	2020	Glassford Hill Road	Centre Court	0	No Injury	Left Turn	Daylight	3	0	0	
85	3667099	7/22/2020	3:51 PM	2020	Centre Court	Glassford Hill Road	0	No Injury	Angle	Daylight	2	0	0	
86	3707446	11/18/2020	3:20 PM	2020	Glassford Hill Road	Centre Court	0	No Injury	Angle	Daylight	2	0	0	
87	3643648	4/10/2020	6:22 PM	2020	Glassford Hill Road	Pav Way	-15	No Injury	Angle	Daylight	2	0	0	
88	3627516	2/26/2020	5:27 PM	2020	Glassford Hill Road	SR-69	100	No Injury	Sideswipe	Daylight	2	0	0	
89	3671556	8/10/2020	9:13 AM	2020	Glassford Hill Road	SR-69	80	No Injury	Rear-end	Daylight	2	0	0	Yes
90	3620497	2/12/2020	3:14 PM	2020	Glassford Hill Road	SR-69	100	No Injury	Sideswipe	Daylight	2	0	0	
91	3660053	6/23/2020	10:39 AM	2020	Glassford Hill Road	SR-69	67	No Injury	Sideswipe	Daylight	2	0	0	
92	3685240	9/15/2020	3:31 PM	2020	SR-69	M288	0.69	No Injury	Rear-end	Daylight	2	0	0	Yes
93	3643528	4/16/2020	12:33 PM	2020	Glassford Hill Road	SR-69	15	No Injury	Rear-end	Daylight	3	0	0	Yes
94	3697360	10/18/2020	3:03 PM	2020	Glassford Hill Road	SR-69	0	Minor Injury	Other	Daylight	2	1	0	
95	3631019	3/8/2020	9:41 AM	2020	SR-69	Glassford Hill Road	0	No Injury	Sideswipe	Daylight	2	0	0	
96	3647275	5/13/2020	7:16 PM	2020	SR-69	Glassford Hill Road	0	Serious Injury	Rear-end	Daylight	2	1	0	Yes
97	3648555	5/18/2020	12:40 PM	2020	SR-69	Glassford Hill Road	0	No Injury	Rear-end	Daylight	2	0	0	Yes
98	3699520	11/3/2020	9:30 AM	2020	SR-69	Glassford Hill Road	0	No Injury	Left Turn	Daylight	2	0	0	Yes
99	3709165	11/16/2020	8:10 AM	2020	SR-69	Glassford Hill Road	0	No Injury	Rear-end	Daylight	2	0	0	Yes
100	3714025	12/16/2020	10:26 AM	2020	SR-69	Glassford Hill Road	0	No Injury	Angle	Daylight	2	0	0	
101	3716463	12/28/2020	1:04 PM	2020	SR-69	Glassford Hill Road	0	No Injury	Sideswipe	Daylight	2	0	0	
102	3712855	12/14/2020	9:05 AM	2020	SR-69	M288	0.7	No Injury	Rear-end	Daylight	3	0	0	Yes
103	3667098	7/25/2020	12:04 PM	2020	SR-69	Glassford Hill Road	50	Minor Injury	Rear-end	Daylight	2	1	0	Yes
104	3695101	10/19/2020	2:21 PM	2020	Glassford Hill Road	Long Look Drive	-20	No Injury	Rear-end	Daylight	2	0	0	
105	3617265	1/17/2020	7:44 PM	2020	SR-69	Glassford Hill Road	50	No Injury	Rear-end	Dark Lighted	2	0	0	
106	3699521	10/31/2020	9:04 PM	2020	SR-69	Glassford Hill Road	50	Minor Injury	Rear-end	Dark Lighted	2	1	0	Yes
107	3773450	6/1/2021	7:59 PM	2021	Lakeshore Drive	Glassford Hill Road	40	Minor Injury	Rear-end	Dark Not Lighted	2	1	0	Yes
108	3821543	10/6/2021	7:49 AM	2021	Glassford Hill Road	Lakeshore Drive	175	No Injury	Rear-end	Daylight	3	0	0	Yes
109	3782417	6/9/2021	2:34 AM	2021	Glassford Hill Road	Lakeshore Drive	100	Minor Injury	Single Vehicle	Dark Lighted	1	1	0	
110	3799459	8/10/2021	12:27 PM	2021	Glassford Hill Road	Lakeshore Drive	75	No Injury	Rear-end	Daylight	2	0	0	Yes
111	3853636	12/31/2021	6:15 PM	2021	Lakeshore Drive	Glassford Hill Road	15	No Injury	Sideswipe	Dark Lighted	2	0	0	
112	3736574	2/3/2021	3:54 PM	2021	Glassford Hill Road	Lakeshore Drive	50	No Injury	Rear-end	Daylight	2	0	0	Yes
113	3731011	2/6/2021	1:20 PM	2021	Glassford Hill Road	Lakeshore Drive	-100	No Injury	Sideswipe	Daylight	2	0	0	
114	3788549	7/9/2021	4:43 PM	2021	Glassford Hill Road	Lakeshore Drive	25	No Injury	Sideswipe	Daylight	2	0	0	
115	3722806	1/15/2021	12:45 PM	2021	Glassford Hill Road	Lakeshore Drive	0	No Injury	Angle	Daylight	2	0	0	
116	3726119	1/25/2021	2:00 PM	2021	Glassford Hill Road	Lakeshore Drive	0	No Injury	Rear-end	Daylight	2	0	0	Yes
117	3799205	8/9/2021	10:34 AM	2021	Glassford Hill Road	Lakeshore Drive	0	Possible Injury	Left Turn	Daylight	2	1	0	
118	3849436	12/27/2021	10:27 AM	2021	Glassford Hill Road	Lakeshore Drive	0	No Injury	Other	Daylight	2	0	0	
119	3736571	2/26/2021	8:20 AM	2021	Glassford Hill Road	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	
120	3737892	3/1/2021	2:30 PM	2021	Glassford Hill Road	Lakeshore Drive	0	Possible Injury	Left Turn	Daylight	2	3	0	

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
121	3790683	7/15/2021	4:11 PM	2021	Glassford Hill Road	Lakeshore Drive	0	Minor Injury	Left Turn	Daylight	2	1	0	
122	3831147	11/4/2021	7:39 AM	2021	Glassford Hill Road	Lakeshore Drive	0	Possible Injury	Left Turn	Daylight	2	1	0	
123	3837213	11/10/2021	8:04 PM	2021	Glassford Hill Road	Lakeshore Drive	0	No Injury	Head-on	Dark Lighted	2	0	0	
124	3849844	12/24/2021	8:41 AM	2021	Lakeshore Drive	Glassford Hill Road	0	No Injury	Angle	Daylight	2	0	0	
125	3853634	12/31/2021	6:57 PM	2021	Glassford Hill Road	Lakeshore Drive	0	Possible Injury	Left Turn	Dark Lighted	2	1	0	
126	3853872	12/31/2021	8:40 AM	2021	Glassford Hill Road	Lakeshore Drive	0	No Injury	Angle	Daylight	2	0	0	
127	3738988	3/2/2021	10:48 AM	2021	Glassford Hill Road	Lakeshore Drive	87	No Injury	Rear-end	Daylight	2	0	0	Yes
128	3773449	5/13/2021	1:25 PM	2021	Glassford Hill Road	Lakeshore Drive	50	No Injury	Sideswipe	Daylight	2	0	0	
129	3821547	9/28/2021	7:33 AM	2021	Glassford Hill Road	Lakeshore Drive	827	Possible Injury	Rear-end	Daylight	2	1	0	Yes
130	3768755	5/13/2021	1:31 PM	2021	Glassford Hill Road	Sundogs Boulevard	475	No Injury	Other	Daylight	2	0	0	
131	3853875	12/24/2021	7:54 PM	2021	Glassford Hill Road	Panther Path	-100	Minor Injury	Single Vehicle	Dark Lighted	1	1	0	Yes
132	3725652	1/22/2021	2:22 PM	2021	Glassford Hill Road	Sundogs Boulevard	0	Possible Injury	Left Turn	Daylight	2	2	0	
133	3751255	3/20/2021	11:58 AM	2021	Sundogs Boulevard	Glassford Hill Road	0	No Injury	Left Turn	Daylight	2	0	0	
134	3762851	5/5/2021	3:51 PM	2021	Sundogs Boulevard	Glassford Hill Road	0	No Injury	Left Turn	Daylight	2	0	0	
135	3817517	9/28/2021	8:34 AM	2021	Sundogs Boulevard	Glassford Hill Road	0	Minor Injury	Left Turn	Daylight	3	1	0	
136	3807413	8/31/2021	12:25 PM	2021	Glassford Hill Road	Sundogs Boulevard	-100	No Injury	Sideswipe	Daylight	2	0	0	
137	3804083	8/19/2021	7:24 AM	2021	Glassford Hill Road	Tuscany Way	-1660	No Injury	Rear-end	Daylight	3	0	0	Yes
138	3819641	9/23/2021	5:25 PM	2021	Glassford Hill Road	Sundogs Boulevard	-150	No Injury	Sideswipe	Dusk	2	0	0	
139	3755343	4/18/2021	12:26 PM	2021	Glassford Hill Road	Florentine Road	551	Minor Injury	Other	Daylight	2	1	0	
140	3793843	7/23/2021	10:52 AM	2021	Florentine Road	Glassford Hill Road	10	No Injury	Rear-end	Daylight	2	0	0	
141	3826861	10/21/2021	5:54 PM	2021	Glassford Hill Road	Florentine Road	10	Minor Injury	Sideswipe	Dark Lighted	2	2	0	
142	3719840	1/5/2021	2:54 PM	2021	Glassford Hill Road	Florentine Road	0	No Injury	Sideswipe	Daylight	2	0	0	
143	3735847	2/24/2021	2:18 PM	2021	Glassford Hill Road	Florentine Road	0	No Injury	Left Turn	Daylight	3	0	0	
144	3743232	3/11/2021	3:10 PM	2021	Glassford Hill Road	Florentine Road	0	No Injury	Left Turn	Daylight	3	0	0	
145	3746076	3/18/2021	9:59 PM	2021	Glassford Hill Road	Florentine Road	0	Minor Injury	Left Turn	Dark Lighted	2	1	0	
146	3788548	7/8/2021	8:00 PM	2021	Glassford Hill Road	Florentine Road	0	No Injury	Left Turn	Dark Lighted	2	0	0	
147	3811000	8/30/2021	2:45 PM	2021	Glassford Hill Road	Florentine Road	0	No Injury	Sideswipe	Daylight	2	0	0	
148	3819174	10/2/2021	10:37 AM	2021	Florentine Road	Glassford Hill Road	0	No Injury	Left Turn	Daylight	2	0	0	
149	3831150	10/23/2021	2:09 PM	2021	Glassford Hill Road	Florentine Road	0	Minor Injury	Left Turn	Daylight	2	1	0	
150	3835577	11/9/2021	9:23 AM	2021	Glassford Hill Road	Florentine Road	0	No Injury	Angle	Daylight	2	0	0	
151	3837220	11/19/2021	12:44 PM	2021	Glassford Hill Road	Florentine Road	0	No Injury	Left Turn	Daylight	2	0	0	
152	3840840	11/25/2021	8:16 AM	2021	Glassford Hill Road	Florentine Road	0	Minor Injury	Left Turn	Daylight	2	3	0	
153	3821540	10/4/2021	11:48 AM	2021	Glassford Hill Road	Florentine Road	80	Minor Injury	Rear-end	Daylight	4	2	0	Yes
154	3814449	9/17/2021	7:40 AM	2021	Florentine Road	Glassford Hill Road	60	Minor Injury	Rear-end	Daylight	3	3	0	Yes
155	3842198	11/30/2021	2:12 PM	2021	Glassford Hill Road	Centre Court	127	No Injury	Rear-end	Daylight	3	0	0	Yes
156	3845789	12/16/2021	12:04 PM	2021	Glassford Hill Road	Centre Court	87	No Injury	Sideswipe	Daylight	2	0	0	
157	3819176	10/1/2021	9:10 AM	2021	Glassford Hill Road	Centre Court	25	Minor Injury	Rear-end	Daylight	2	2	0	Yes
158	3730779	2/9/2021	3:30 PM	2021	Glassford Hill Road	Centre Court	0	No Injury	Angle	Daylight	2	0	0	
159	3755340	4/7/2021	3:49 PM	2021	Glassford Hill Road	Centre Court	0	Minor Injury	Left Turn	Daylight	2	2	0	
160	3760301	4/30/2021	7:30 AM	2021	Glassford Hill Road	Centre Court	0	No Injury	Left Turn	Daylight	2	0	0	

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
161	3840838	11/29/2021	1:53 PM	2021	Glassford Hill Road	Centre Court	0	Minor Injury	Left Turn	Daylight	3	2	0	
162	3846051	12/15/2021	3:11 PM	2021	Glassford Hill Road	Centre Court	0	Minor Injury	Left Turn	Daylight	2	3	0	
163	3847534	12/18/2021	10:01 AM	2021	Glassford Hill Road	Centre Court	0	Minor Injury	Left Turn	Daylight	2	1	0	
164	3801364	8/13/2021	8:14 PM	2021	Glassford Hill Road	Centre Court	0	Minor Injury	Left Turn	Dark Lighted	2	1	0	
165	3831149	10/26/2021	3:40 PM	2021	Glassford Hill Road	Centre Court	-30	No Injury	Rear-end	Daylight	2	0	0	Yes
166	3847533	12/18/2021	10:15 AM	2021	Glassford Hill Road	Centre Court	30	No Injury	Rear-end	Daylight	2	0	0	Yes
167	3764268	5/7/2021	11:45 AM	2021	Glassford Hill Road	Centre Court	-300	No Injury	Sideswipe	Daylight	2	0	0	
168	3842201	11/30/2021	4:13 PM	2021	Glassford Hill Road	Pav Way	0	Minor Injury	Left Turn	Daylight	2	1	0	
169	3806835	8/29/2021	10:42 AM	2021	SR-69	M288	0.68	No Injury	Rear-end	Daylight	2	0	0	
170	3837219	11/19/2021	3:12 PM	2021	Glassford Hill Road	SR-69	60	No Injury	Sideswipe	Daylight	2	0	0	
171	3730781	2/10/2021	5:35 PM	2021	Glassford Hill Road	SR-69	50	No Injury	Rear-end	Daylight	2	0	0	
172	3722805	1/15/2021	6:41 AM	2021	SR-69	Glassford Hill Road	0	No Injury	Angle	Dark Lighted	2	0	0	
173	3725654	1/18/2021	6:09 PM	2021	SR-69	Glassford Hill Road	0	No Injury	Other	Dark Lighted	3	0	0	
174	3768752	5/8/2021	7:58 AM	2021	SR-69	Glassford Hill Road	0	Possible Injury	Other	Daylight	2	1	0	
175	3769099	5/17/2021	6:44 PM	2021	SR-69	Glassford Hill Road	0	No Injury	Angle	Dusk	2	0	0	
176	3796858	7/17/2021	9:30 AM	2021	SR-69	Glassford Hill Road	0	Serious Injury	Single Vehicle	Daylight	1	1	0	Yes
177	3801365	8/13/2021	11:30 PM	2021	SR-69	Glassford Hill Road	0	Serious Injury	Left Turn	Dark Lighted	2	2	0	
178	3815323	9/20/2021	12:41 PM	2021	SR-69	Glassford Hill Road	0	No Injury	Rear-end	Daylight	2	0	0	Yes
179	3824304	10/13/2021	8:03 PM	2021	SR-69	Glassford Hill Road	0	No Injury	Sideswipe	Dark Lighted	2	0	0	
180	3824307	10/13/2021	10:21 AM	2021	SR-69	Glassford Hill Road	0	No Injury	Rear-end	Daylight	3	0	0	Yes
181	3826858	10/21/2021	9:47 PM	2021	SR-69	Glassford Hill Road	0	Possible Injury	Left Turn	Dark Lighted	2	1	0	
182	3844154	12/8/2021	7:41 PM	2021	Glassford Hill Road	SR-69	-15	No Injury	Sideswipe	Dark Lighted	2	0	0	
183	3814445	9/14/2021	3:09 PM	2021	SR-69	Glassford Hill Road	20	No Injury	Rear-end	Daylight	2	0	0	Yes
184	3837648	11/21/2021	6:37 PM	2021	SR-69	Glassford Hill Road	20	No Injury	Rear-end	Dark Lighted	2	0	0	Yes
185	3827404	10/20/2021	4:37 PM	2021	SR-69	Glassford Hill Road	50	No Injury	Rear-end	Daylight	2	0	0	Yes

**Segment 2: Long Look Drive to State Route 89A**

Data Period: 2019 - 2021

Total Crashes: 113

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3557315	8/15/2019	4:25 PM	2019	Glassford Hill Road	Tuscany Way	50	Possible Injury	Rear-end	Daylight	2	1	0	Yes
2	3517466	5/4/2019	2:19 PM	2019	Glassford Hill Road	Tuscany Way	30	No Injury	Rear-end	Daylight	2	0	0	Yes
3	3584659	10/29/2019	9:11 AM	2019	Glassford Hill Road	Tuscany Way	0	Minor Injury	Angle	Daylight	2	2	0	
4	3585174	9/28/2019	12:31 PM	2019	Glassford Hill Road	Tuscany Way	0	Minor Injury	Head-on	Daylight	2	4	0	
5	3585201	10/7/2019	3:21 PM	2019	Glassford Hill Road	Tuscany Way	0	No Injury	Rear-end	Daylight	3	0	0	
6	3589242	8/23/2019	3:50 PM	2019	Glassford Hill Road	Tuscany Way	0	No Injury	Left Turn	Daylight	2	0	0	
7	3601255	12/12/2019	7:35 PM	2019	Glassford Hill Road	Tuscany Way	-1	No Injury	Left Turn	Dark Lighted	2	0	0	
8	3585178	10/3/2019	7:54 PM	2019	Glassford Hill Road	Tuscany Way	-30	No Injury	U-turn	Dark Lighted	2	0	0	
9	3588974	11/15/2019	5:10 PM	2019	Glassford Hill Road	Tuscany Way	-30	No Injury	Sideswipe	Daylight	2	0	0	
10	3517473	5/12/2019	1:07 PM	2019	Glassford Hill Road	Tuscany Way	-100	No Injury	Rear-end	Daylight	2	0	0	Yes
11	3547004	8/6/2019	11:55 AM	2019	Glassford Hill Road	Tuscany Way	-100	Possible Injury	Rear-end	Daylight	2	1	0	
12	3573718	10/17/2019	7:42 AM	2019	Glassford Hill Road	Tuscany Way	327	No Injury	Rear-end	Daylight	2	0	0	Yes
13	3595784	10/28/2019	2:25 PM	2019	Glassford Hill Road	Tuscany Way	387	No Injury	Sideswipe	Daylight	2	0	0	
14	3565046	9/30/2019	10:09 AM	2019	Glassford Hill Road	Tuscany Way	520	No Injury	Rear-end	Daylight	2	0	0	Yes
15	3585163	9/30/2019	10:09 AM	2019	Glassford Hill Road	Tuscany Way	520	No Injury	Rear-end	Daylight	2	0	0	Yes
16	3592814	12/4/2019	3:48 PM	2019	Glassford Hill Road	Tuscany Way	827	Minor Injury	Rear-end	Daylight	2	1	0	Yes
17	3484455	1/23/2019	11:09 AM	2019	Glassford Hill Road	Spouse Drive	-20	No Injury	Rear-end	Daylight	2	0	0	Yes
18	3484982	2/14/2019	3:59 PM	2019	Glassford Hill Road	Santa Fe Loop Road	-300	Possible Injury	Rear-end	Daylight	2	2	0	Yes
19	3506266	4/6/2019	10:27 PM	2019	Santa Fe Loop Road	Glassford Hill Road	80	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	
20	3557307	8/17/2019	6:47 PM	2019	Glassford Hill Road	Santa Fe Loop Road	0	No Injury	Rear-end	Daylight	2	0	0	Yes
21	3565261	9/22/2019	11:45 AM	2019	Glassford Hill Road	Santa Fe Loop Road	20	No Injury	Sideswipe	Daylight	2	0	0	
22	3558749	9/17/2019	8:24 AM	2019	Glassford Hill Road	Santa Fe Loop Road	687	No Injury	Rear-end	Daylight	2	0	0	Yes
23	3558752	9/18/2019	9:11 AM	2019	Glassford Hill Road	Santa Fe Loop Road	700	No Injury	Sideswipe	Daylight	2	0	0	
24	3595795	11/25/2019	8:07 AM	2019	Glassford Hill Road	Santa Fe Loop Road	1123	Possible Injury	Rear-end	Daylight	2	1	0	Yes
25	3565047	9/30/2019	8:19 AM	2019	Glassford Hill Road	Santa Fe Loop Road	0.27	No Injury	Rear-end	Daylight	2	0	0	Yes
26	3585168	9/30/2019	8:19 AM	2019	Glassford Hill Road	Santa Fe Loop Road	1427	No Injury	Rear-end	Daylight	2	0	0	Yes
27	3557313	8/15/2019	5:02 PM	2019	Glassford Hill Road	Granville Parkway	50	No Injury	Rear-end	Daylight	2	0	0	Yes
28	3595785	10/29/2019	3:33 PM	2019	Glassford Hill Road	Granville Parkway	-300	Possible Injury	Rear-end	Daylight	2	1	0	Yes
29	3506274	4/1/2019	6:08 PM	2019	Glassford Hill Road	Granville Parkway	0	Possible Injury	Rear-end	Daylight	2	2	0	Yes
30	3522521	5/21/2019	7:42 AM	2019	Glassford Hill Road	Granville Parkway	0	Possible Injury	Left Turn	Daylight	2	1	0	
31	3595789	11/14/2019	11:07 AM	2019	Glassford Hill Road	Granville Parkway	0	Minor Injury	Single Vehicle	Daylight	1	1	0	
32	3588971	10/30/2019	7:57 AM	2019	Glassford Hill Road	Granville Parkway	450	Minor Injury	Angle	Daylight	3	1	0	Yes
33	3565238	8/30/2019	2:37 PM	2019	Glassford Hill Road	SR-89A	-450	No Injury	Rear-end	Daylight	3	0	0	Yes
34	3558755	9/12/2019	8:51 AM	2019	Glassford Hill Road	SR-89A	-150	No Injury	Rear-end	Daylight	2	0	0	Yes
35	3585202	10/12/2019	10:33 AM	2019	Glassford Hill Road	SR-89A	0	No Injury	Rear-end	Daylight	2	0	0	Yes
36	3533006	6/22/2019	11:14 PM	2019	SR-89	M321A	0.39	No Injury	Sideswipe	Dark Lighted	2	0	0	Yes
37	3510549	4/3/2019	4:06 PM	2019	SR-89	M321A	0.39	No Injury	Rear-end	Daylight	2	0	0	Yes
38	3531262	6/3/2019	2:46 PM	2019	SR-89	M321A	0.39	Possible Injury	Rear-end	Daylight	2	1	0	Yes
39	3601269	12/19/2019	6:24 AM	2019	Glassford Hill Road	Long Look Drive	67	No Injury	Rear-end	Dark Lighted	2	0	0	Yes
40	3639023	3/18/2020	3:52 PM	2020	Glassford Hill Road	Long Look Drive	50	No Injury	Sideswipe	Daylight	2	0	0	
41	3625528	2/9/2020	1:50 PM	2020	Glassford Hill Road	Long Look Drive	0	Possible Injury	Sideswipe	Daylight	2	2	0	
42	3660051	6/13/2020	7:23 AM	2020	Glassford Hill Road	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
43	3694513	10/20/2020	7:50 AM	2020	Glassford Hill Road	Tuscany Way	-831	No Injury	Rear-end	Daylight	2	0	0	Yes
44	3690244	10/2/2020	4:24 PM	2020	Glassford Hill Road	Tuscany Way	0	No Injury	Rear-end	Daylight	2	0	0	Yes
45	3685241	9/18/2020	12:23 PM	2020	Glassford Hill Road	Tuscany Way	-150	No Injury	Left Turn	Daylight	2	0	0	
46	3680924	9/9/2020	6:52 AM	2020	Glassford Hill Road	Tuscany Way	-127	No Injury	Rear-end	Daylight	2	0	0	Yes
47	3662987	7/1/2020	5:34 PM	2020	Glassford Hill Road	Spouse Drive	-500	No Injury	Rear-end	Daylight	2	0	0	Yes
48	3693111	10/14/2020	12:17 PM	2020	Glassford Hill Road	Tuscany Way	0.5	No Injury	Sideswipe	Daylight	2	0	0	
49	3610171	1/16/2020	7:15 AM	2020	Spouse Drive	Glassford Hill Road	0	No Injury	Rear-end	Daylight	3	0	0	
50	3615611	1/31/2020	6:59 AM	2020	Glassford Hill Road	Spouse Drive	0	Possible Injury	Left Turn	Dark Lighted	2	1	0	
51	3651149	6/1/2020	1:56 PM	2020	Glassford Hill Road	Spouse Drive	0	Possible Injury	Sideswipe	Daylight	2	1	0	
52	3710780	12/5/2020	11:58 AM	2020	Glassford Hill Road	Santa Fe Loop Road	-100	Possible Injury	Rear-end	Daylight	2	1	0	
53	3657841	6/24/2020	12:22 PM	2020	Glassford Hill Road	Santa Fe Loop Road	0	No Injury	Single Vehicle	Daylight	1	0	0	
54	3676384	8/28/2020	1:05 PM	2020	Santa Fe Loop Road	Glassford Hill Road	-10	No Injury	Single Vehicle	Daylight	1	0	0	Yes
55	3710783	12/4/2020	8:40 AM	2020	Glassford Hill Road	Center Drive	0	No Injury	Left Turn	Daylight	2	0	0	
56	3709166	11/29/2020	3:52 PM	2020	Glassford Hill Road	Veterans Way	0	Serious Injury	Left Turn	Daylight	2	3	0	
57	3641217	4/9/2020	5:38 AM	2020	Glassford Hill Road	Granville Parkway	-300	No Injury	Single Vehicle	Dawn	1	0	0	
58	3684159	9/12/2020	8:30 PM	2020	Glassford Hill Road	Granville Parkway	0	Serious Injury	Other	Dark Lighted	2	1	0	
59	3710784	12/1/2020	3:06 PM	2020	Glassford Hill Road	Granville Parkway	-627	No Injury	Rear-end	Daylight	2	0	0	Yes
60	3695097	10/20/2020	4:03 PM	2020	Glassford Hill Road	Granville Parkway	-350	Possible Injury	Rear-end	Daylight	6	3	0	
61	3717524	12/24/2020	8:38 PM	2020	Glassford Hill Road	Granville Parkway	-100	No Injury	Rear-end	Dark Lighted	2	0	0	Yes
62	3673648	8/14/2020	4:07 PM	2020	Glassford Hill Road	Granville Parkway	-20	No Injury	Single Vehicle	Daylight	1	0	0	
63	3675949	8/22/2020	3:44 PM	2020	Glassford Hill Road	Granville Parkway	0	Possible Injury	Rear-end	Daylight	2	2	0	Yes
64	3715276	12/18/2020	4:55 PM	2020	Glassford Hill Road	Granville Parkway	0	No Injury	Left Turn	Dusk	2	0	0	
65	3695099	10/20/2020	9:32 AM	2020	Glassford Hill Road	SR-89A	-127	No Injury	Sideswipe	Daylight	2	0	0	
66	3625137	2/20/2020	7:51 AM	2020	Glassford Hill Road	SR-89A	0	No Injury	Left Turn	Daylight	2	0	0	
67	3812481	9/2/2021	9:25 AM	2021	Long Look Drive	Glassford Hill Road	0	No Injury	Sideswipe	Daylight	2	0	0	
68	3835574	11/12/2021	7:28 AM	2021	Glassford Hill Road	Long Look Drive	0	Possible Injury	Left Turn	Daylight	2	3	0	
69	3740535	3/9/2021	12:07 PM	2021	Glassford Hill Road	Long Look Drive	270	No Injury	Sideswipe	Daylight	3	0	0	
70	3730783	2/10/2021	2:21 PM	2021	Glassford Hill Road	Tuscany Way	-500	Possible Injury	Rear-end	Daylight	2	1	0	Yes
71	3758171	4/23/2021	7:44 AM	2021	Glassford Hill Road	Tuscany Way	423	Possible Injury	Rear-end	Daylight	2	1	0	
72	3833605	10/26/2021	1:42 PM	2021	Glassford Hill Road	Tuscany Way	0	No Injury	Left Turn	Daylight	2	0	0	
73	3738989	3/4/2021	8:52 AM	2021	Glassford Hill Road	Tuscany Way	87	No Injury	Rear-end	Daylight	2	0	0	Yes
74	3771618	5/19/2021	5:23 PM	2021	Glassford Hill Road	Tuscany Way	500	No Injury	Rear-end	Daylight	2	0	0	Yes
75	3782419	6/18/2021	2:08 PM	2021	Glassford Hill Road	Tuscany Way	700	No Injury	Sideswipe	Daylight	2	0	0	
76	3770693	5/20/2021	1:21 PM	2021	Glassford Hill Road	Tuscany Way	830	No Injury	Sideswipe	Daylight	2	0	0	
77	3835973	11/16/2021	7:41 AM	2021	Glassford Hill Road	Tuscany Way	0.2	No Injury	Rear-end	Daylight	2	0	0	Yes
78	3760298	4/23/2021	2:34 PM	2021	Glassford Hill Road	Ainsley Way	-400	Possible Injury	Rear-end	Daylight	2	1	0	Yes
79	3811149	9/2/2021	2:33 PM	2021	Glassford Hill Road	Spouse Drive	-627	No Injury	Rear-end	Daylight	2	0	0	Yes
80	3853637	12/25/2021	10:41 PM	2021	Glassford Hill Road	Spouse Drive	-487	Fatal	Other	Dark Not Lighted	4	1	1	



No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
81	3740823	2/26/2021	5:12 PM	2021	Glassford Hill Road	Spouse Drive	420	Possible Injury	Rear-end	Daylight	3	1	0	
82	3736569	2/25/2021	4:40 PM	2021	Glassford Hill Road	Spouse Drive	-200	No Injury	Rear-end	Daylight	3	0	0	
83	3776181	6/9/2021	8:47 AM	2021	Glassford Hill Road	Spouse Drive	120	No Injury	Rear-end	Daylight	2	0	0	Yes
84	3737894	3/1/2021	9:58 AM	2021	Glassford Hill Road	Spouse Drive	201	No Injury	Rear-end	Daylight	2	0	0	Yes
85	3847032	12/7/2021	10:16 AM	2021	Spouse Drive	Glassford Hill Road	15	No Injury	Rear-end	Daylight	2	0	0	
86	3837652	11/22/2021	12:02 PM	2021	Glassford Hill Road	Spouse Drive	20	No Injury	Other	Daylight	2	0	0	Yes
87	3755341	4/13/2021	9:21 PM	2021	Glassford Hill Road	Spouse Drive	5	No Injury	Rear-end	Dark Lighted	2	0	0	Yes
88	3773103	5/27/2021	5:07 PM	2021	Glassford Hill Road	Spouse Drive	0	No Injury	Rear-end	Daylight	2	0	0	Yes
89	3773448	6/1/2021	2:11 PM	2021	Glassford Hill Road	Spouse Drive	0	Serious Injury	Left Turn	Daylight	2	1	0	
90	3777793	6/6/2021	8:51 PM	2021	Glassford Hill Road	Spouse Drive	0	Minor Injury	Left Turn	Dark Lighted	2	1	0	
91	3840841	11/22/2021	5:00 PM	2021	Glassford Hill Road	Spouse Drive	150	Possible Injury	Rear-end	Daylight	2	1	0	Yes
92	3796233	7/31/2021	11:53 AM	2021	Glassford Hill Road	Santa Fe Loop Road	-25	No Injury	Sideswipe	Daylight	2	0	0	
93	3743749	3/12/2021	2:57 PM	2021	Glassford Hill Road	Santa Fe Loop Road	-10	No Injury	Rear-end	Daylight	2	0	0	
94	3734608	2/21/2021	6:20 PM	2021	Santa Fe Loop Road	Glassford Hill Road	-10	No Injury	Left Turn	Dark Lighted	2	0	0	
95	3824299	10/11/2021	1:20 PM	2021	Glassford Hill Road	Santa Fe Loop Road	25	No Injury	Rear-end	Daylight	2	0	0	Yes
96	3825681	10/19/2021	2:54 PM	2021	Glassford Hill Road	Santa Fe Loop Road	27	No Injury	Rear-end	Daylight	2	0	0	Yes
97	3762855	5/4/2021	11:58 AM	2021	Glassford Hill Road	Santa Fe Loop Road	87	Minor Injury	Rear-end	Daylight	2	1	0	Yes
98	3754000	4/9/2021	2:25 PM	2021	Glassford Hill Road	Santa Fe Loop Road	350	No Injury	Rear-end	Daylight	2	0	0	
99	3830046	10/26/2021	10:28 AM	2021	Glassford Hill Road	Santa Fe Loop Road	378	No Injury	Sideswipe	Daylight	2	0	0	
100	3770689	5/21/2021	7:50 AM	2021	Glassford Hill Road	Santa Fe Loop Road	420	No Injury	Rear-end	Daylight	4	0	0	
101	3824302	10/13/2021	9:55 AM	2021	Glassford Hill Road	Santa Fe Loop Road	0.3	Minor Injury	Rear-end	Daylight	3	3	0	
102	3830036	10/29/2021	3:40 PM	2021	Glassford Hill Road	Granville Parkway	-1000	Possible Injury	Rear-end	Daylight	3	2	0	Yes
103	3749031	3/26/2021	2:27 PM	2021	Glassford Hill Road	Granville Parkway	-300	No Injury	Rear-end	Daylight	2	0	0	
104	3778301	6/8/2021	2:45 PM	2021	Glassford Hill Road	Granville Parkway	-287	No Injury	Rear-end	Daylight	2	0	0	Yes
105	3777792	6/6/2021	7:34 PM	2021	Glassford Hill Road	Granville Parkway	-111	Fatal	Other	Dusk	2	0	1	
106	3804482	8/23/2021	9:22 AM	2021	Glassford Hill Road	Granville Parkway	0	No Injury	Angle	Daylight	2	0	0	
107	3743231	3/10/2021	12:50 PM	2021	Granville Parkway	Glassford Hill Road	0	No Injury	Rear-end	Daylight	2	0	0	Yes
108	3811150	9/2/2021	7:40 AM	2021	Glassford Hill Road	SR-89A	-727	Possible Injury	Rear-end	Daylight	2	1	0	Yes
109	3732557	2/14/2021	6:31 PM	2021	Glassford Hill Road	SR-89A	-200	Possible Injury	Single Vehicle	Dark Lighted	1	1	0	Yes
110	3798363	8/5/2021	11:54 AM	2021	Glassford Hill Road	SR-89A	-50	No Injury	Rear-end	Daylight	2	0	0	Yes
111	3821537	10/8/2021	7:39 AM	2021	Glassford Hill Road	SR-89A	0	No Injury	Rear-end	Daylight	3	0	0	Yes
112	3737893	3/1/2021	6:38 AM	2021	SR-89	Glassford Hill Road	0	No Injury	Sideswipe	Dawn	2	0	0	
113	3747679	3/21/2021	5:29 PM	2021	Glassford Hill Road	SR-89A	0	No Injury	Sideswipe	Daylight	2	0	0	



# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



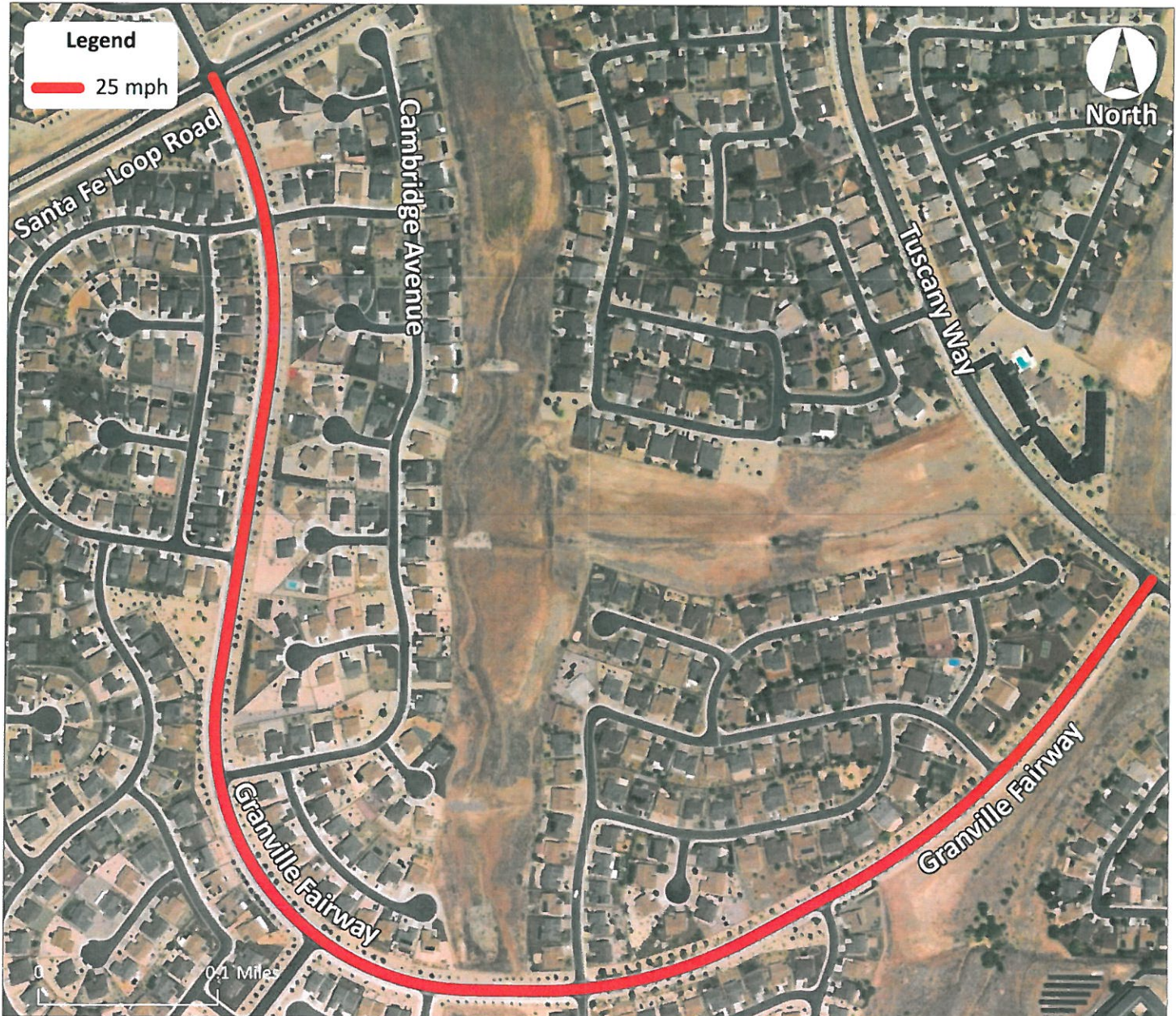
**Segment Studied:** Granville Fairway

**From:** Santa Fe Loop Road

**To:** Tuscany Way

**Length:** 1.1 miles

## Study Area Map - Existing Speed Limits



### Introduction:

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

### Roadway Characteristics:

- Functional Classification: collector
- Existing Speed Limit: 25 mph
- One lane in each direction separated by a two-way left-turn lane
- A 37-foot-wide roadway with considerable horizontal curvature
- Curb and gutter on both sides of the roadway
- Sidewalk on the west/south side of the roadway, buffer-separated from the roadway
- Street lighting at intersections
- No bike lanes or white edge-line markings

### Data Collection:

Traffic counts with speed data were recorded for a 24-hour period on Tuesday, November 29, 2022, and Tuesday, May 30, 2023, at the following locations:

- Site A: Granville Fairway, about 0.30 miles west of Tuscany Way
- Site B: Granville Fairway, about 0.32 miles south of Santa Fe Loop Road

### Speed and Traffic Volume:

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>Site A: 0.30 miles west of Tuscany Way</i></b>			
Eastbound	31 mph	35 mph	543
Westbound	32 mph	35 mph	890
Both Directions	32 mph	35 mph	1,433
<b><i>Site B: 0.32 miles south of Santa Fe Loop Road</i></b>			
Northbound	32 mph	36 mph	2,206
Southbound	32 mph	36 mph	2,259
Both Directions	32 mph	36 mph	4,456

- Average speeds of 32 mph, above the existing 25-mph speed limit.
- 85th-percentile speeds ranged from 35 to 36 mph.



**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	0	1	0	1	0
2020	1	0	0	1	1
2021	1	1	0	2	0
<b>Total</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>1</b>

- 4 crashes were reported, an average of about 1.3 crashes per year.
- 2 possible injury crashes were reported.
- The crash rate along the corridor is 113 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 56 per 100 MVM.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM.
- The crash rate along the corridor is 51% lower than the average rate on similar roadways. The injury rate along the corridor is 15% lower than the average injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited).
- No single-family homes front the street.
- The street has excellent access management practices, with limited intersection spacing and no driveways intersecting the street.

**Speed Limit Recommendation:**

Increase the existing speed limit to 30 mph, for the following reasons:

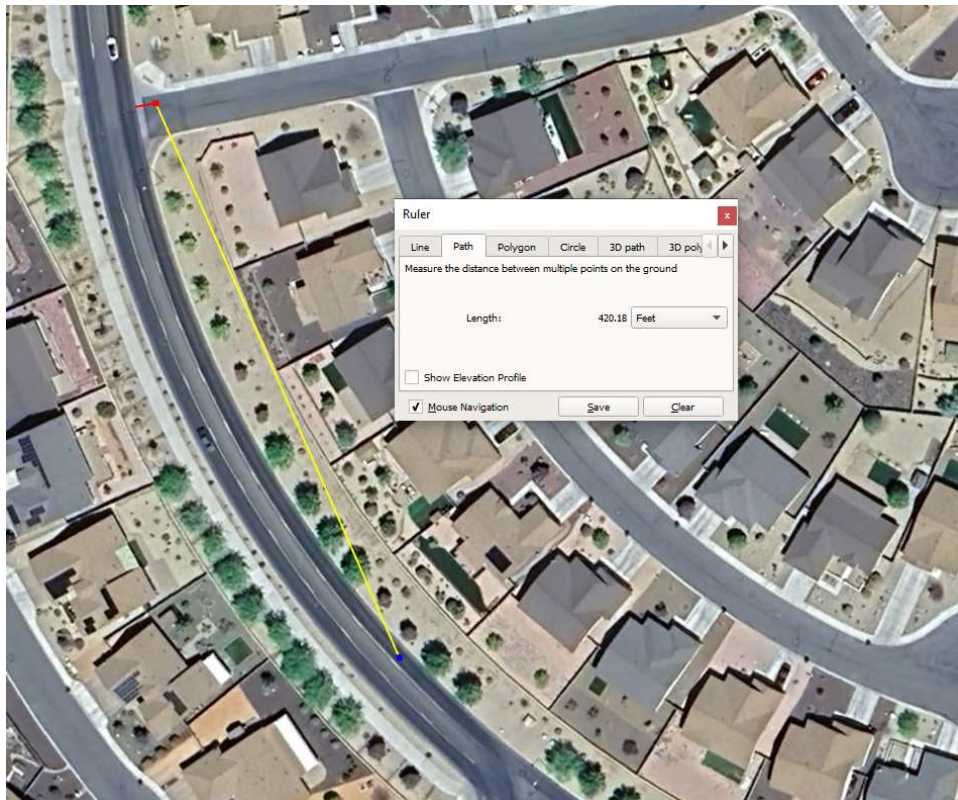
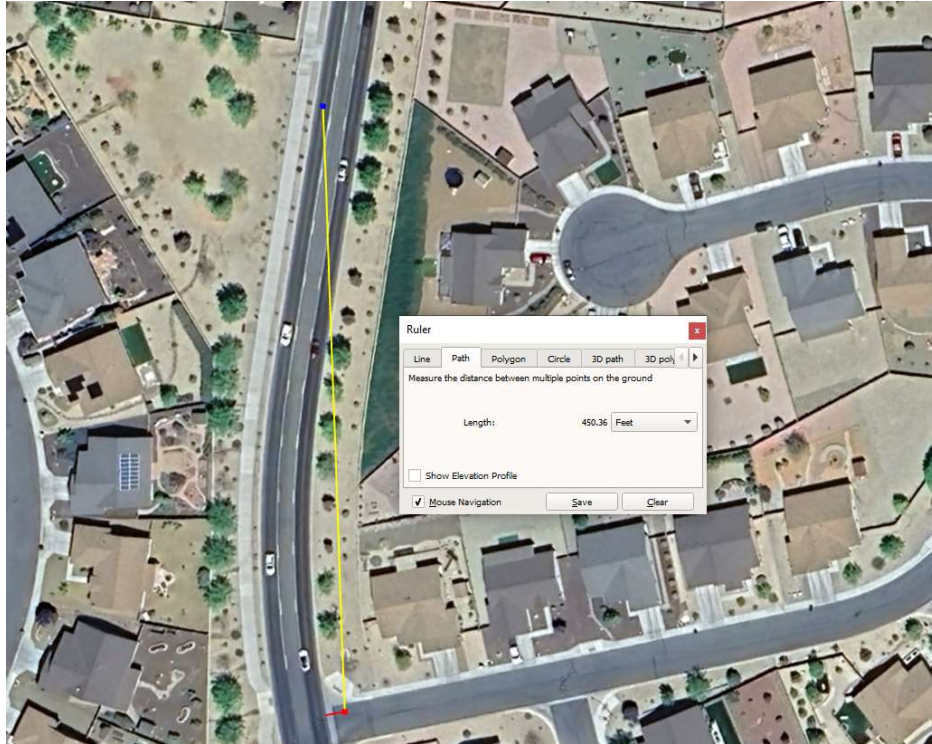
- Drivers' existing travel speeds clearly indicate a preference for higher speeds, despite the existing 25-mph speed limit.
- The cross-section of the roadway, including the presence of curb and gutter and the left-turn lane separating the travel directions, communicates to drivers that the street is capable of supporting speeds higher than the existing 25-mph limit.
- Pedestrians walking along the street can use the existing buffer-separated sidewalk to be situated comfortably well outside the traveled way.
- The crash and injury rates are below the average for typical streets, indicating that a higher speed limit is reasonable.
- The lack of front-facing homes and driveways suggests that it is not essential to limit speeds to 25 mph as is desirable where these features exist.

- A speed limit higher than 35 mph would not be consistent with the residential nature of the roadway and would be so high as to exceed drivers' typical speed preferences.
- The horizontal curvature along the roadway is comfortable at 30 mph, according to ball-bank indicator readings. (The highest ball-bank indicator reading recorded was 8° at 35 mph.) No curve warning signs are necessary.
- *A Policy on Geometric Design of Highways and Streets*, published by the American Association of State Highway and Transportation Officials (AASHTO), provides sight distance recommendations based on roadway speed. Intersection Sight Distance Case B addresses intersections with stop control on the minor road. Minor-street drivers should have enough sight distance to ensure an adequate gap in traffic before entering the street. AASHTO provides the following sight distance criteria:
  - For left turns from the minor street, a time gap of 8 seconds is recommended (7.5 seconds plus ½ second to cross the two-way left-turn lane.) For a 30-mph speed, the AASHTO intersection sight distance recommendation is 355 feet. Considering a 5-mph buffer over the recommended 30-mph speed limit, the recommendation for 35 mph is 415 feet.
  - For right turns from the minor street, a time gap of 6.5 seconds is needed. For a 30-mph speed, 290 feet of sight distance is recommended, and for 35 mph, 335 feet is recommended.
  - Where applicable, sight distance for traffic proceeding straight across the major street has a shorter time gap than for left turns, so left turns typically control.
  - Sight distance is measured from a point 14.5 feet back from the edge of the major street traveled way and with eye and object heights of 3.5 feet.

Granville Fairway has modern construction with modest horizontal and vertical curvature, well-groomed roadside vegetation, and excellent sight distance availability. To illustrate available sight distance, worst-case turning movements were evaluated approaching the major street from Cambridge Avenue. This location was selected because it is on the inside of a horizontal curve, where sight distance tends to be limited by roadway geometry. Nevertheless, 420 feet of sight distance is available looking to the left and more than 450 feet to the right, as shown below. In both cases, the sight distance line passes under tree limbs; these limbs are pruned high enough that visibility is sufficient below the tree canopy. Looking to the left, the sight distance is bounded by a wall behind a residential parcel. Looking to the right, sight distance is not limited by structural elements.

The recommended speed limit change is consistent with available sight distance along the corridor.

## Speed Limit Study



**Recommended Action Items:**

- No SPEED LIMIT sign was observed on Granville Fairway just east of Tuscany Way, where the street starts and unfamiliar motorists may expect guidance on the speed limit. The town should consider adding a SPEED LIMIT sign in this area.
- Other speed limit signs should be changed to reflect the new speed limit.
- The town may wish to consider adding advance street name signs for the Prescott East Highway intersection. There are several intersections along Granville Fairway, but Prescott East Highway is the only through intersecting street, and unfamiliar motorists may have trouble distinguishing this intersection from the local-street intersections along the corridor, particularly considering the horizontal curvature.

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 11/29/22  
Station ID: 22-1620-028  
Granville Fairway west of Tuscany Way  
34.601920, -112.351983  
Latitude: 0' 0.0000 Undefined

## Eastbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/29/22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
07:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	43	44
08:00	0	0	0	2	9	7	2	0	0	0	0	0	0	0	20	30	34
09:00	0	0	0	5	13	19	5	0	0	0	0	0	0	0	42	31	34
10:00	0	0	0	4	22	21	6	0	0	0	0	0	0	0	53	31	34
11:00	0	0	1	4	13	13	4	0	0	0	0	0	0	0	35	30	34
12 PM	0	0	0	4	23	21	11	1	0	0	0	0	0	0	60	31	36
13:00	0	0	0	1	20	20	5	1	0	0	0	0	0	0	47	31	34
14:00	0	0	0	2	32	26	9	4	1	0	0	0	0	0	74	32	36
15:00	0	0	0	7	28	17	8	2	0	0	0	0	0	0	62	31	35
16:00	0	0	0	3	13	27	8	1	0	0	0	0	0	0	52	32	35
17:00	0	0	0	2	18	18	3	0	0	0	0	0	0	0	41	31	34
18:00	0	0	0	1	8	16	8	0	0	0	0	0	0	0	33	33	36
19:00	0	0	0	0	4	3	5	0	0	0	0	0	0	0	12	33	38
20:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3	31	33
21:00	0	0	0	0	0	4	2	0	0	0	0	0	0	0	6	35	37
22:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	0	0	1	35	204	215	77	10	1	0	0	0	0	0	543		
Percent	0.0%	0.0%	0.2%	6.4%	37.6%	39.6%	14.2%	1.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak			11:00	09:00	10:00	10:00	10:00	07:00							10:00		
Vol.			1	5	22	21	6	1							53		
PM Peak				15:00	14:00	16:00	12:00	14:00	14:00						14:00		
Vol.				7	32	27	11	4	1						74		
Total	0	0	1	35	204	215	77	10	1	0	0	0	0	0	543		
Percent	0.0%	0.0%	0.2%	6.4%	37.6%	39.6%	14.2%	1.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 30 MPH  
85th Percentile : 35 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 419  
Percent in Pace : 77.2%  
Number of Vehicles > 25 MPH : 507  
Percent of Vehicles > 25 MPH : 93.4%  
Mean Speed(Average) : 31 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 2

Site Code: Tues 11/29/22  
Station ID: 22-1620-028  
Granville Fairway west of Tuscany Way  
34.601920, -112.351983  
Latitude: 0' 0.0000 Undefined

## Westbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/29/22	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3	33	37
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	33	34
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
05:00	0	0	0	0	3	4	0	0	0	0	0	0	0	0	7	31	33
06:00	0	0	0	4	5	9	5	0	0	0	0	0	0	0	23	31	36
07:00	0	0	1	0	17	18	11	0	0	0	0	0	0	0	47	32	36
08:00	0	0	0	1	11	20	10	2	0	0	0	0	0	0	44	33	37
09:00	0	0	0	1	12	18	8	0	0	0	0	0	0	0	39	32	36
10:00	0	0	0	3	16	27	10	1	0	0	0	0	0	0	57	32	36
11:00	0	0	1	1	30	28	5	2	0	0	0	1	0	0	68	32	34
12 PM	0	0	0	1	20	34	5	2	0	0	0	0	0	0	62	32	34
13:00	0	1	0	3	20	21	9	2	0	0	0	0	0	0	56	31	36
14:00	0	0	0	1	24	29	18	1	0	0	0	0	0	0	73	33	37
15:00	0	0	0	1	29	40	16	1	1	0	0	0	0	0	88	32	36
16:00	0	1	0	2	32	46	14	2	0	0	0	0	0	0	97	32	35
17:00	0	0	0	4	31	37	7	3	0	0	0	0	0	0	82	31	34
18:00	0	0	0	3	23	29	7	1	0	0	0	0	0	0	63	31	34
19:00	0	0	0	3	10	13	6	1	0	0	0	0	0	0	33	32	36
20:00	0	0	0	1	10	7	3	0	0	0	0	0	0	0	21	31	34
21:00	0	0	0	2	4	6	0	0	0	1	0	0	0	0	13	31	34
22:00	0	0	0	1	2	2	4	0	0	0	0	0	0	0	9	33	38
23:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
Total	0	2	2	32	302	392	139	18	1	1	0	1	0	0	890		
Percent	0.0%	0.2%	0.2%	3.6%	33.9%	44.0%	15.6%	2.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%			
AM Peak			07:00	06:00	11:00	11:00	07:00	08:00				11:00			11:00		
Vol.			1	4	30	28	11	2				1			68		
PM Peak		13:00		17:00	16:00	16:00	14:00	17:00	15:00	21:00					16:00		
Vol.		1		4	32	46	18	3	1	1					97		
Total	0	2	2	32	302	392	139	18	1	1	0	1	0	0	890		
Percent	0.0%	0.2%	0.2%	3.6%	33.9%	44.0%	15.6%	2.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 35 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 694  
Percent in Pace : 78.0%  
Number of Vehicles > 25 MPH : 854  
Percent of Vehicles > 25 MPH : 96.0%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 3

Site Code: Tues 11/29/22  
Station ID: 22-1620-028  
Granville Fairway west of Tuscany Way  
34.601920, -112.351983  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/29/22	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3	33	37
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	33	34
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
05:00	0	0	0	0	3	4	0	0	0	0	0	0	0	0	7	31	33
06:00	0	0	0	4	5	10	5	0	0	0	0	0	0	0	24	31	36
07:00	0	0	1	0	17	18	11	1	0	0	0	0	0	0	48	32	37
08:00	0	0	0	3	20	27	12	2	0	0	0	0	0	0	64	32	36
09:00	0	0	0	6	25	37	13	0	0	0	0	0	0	0	81	32	35
10:00	0	0	0	7	38	48	16	1	0	0	0	0	0	0	110	31	35
11:00	0	0	2	5	43	41	9	2	0	0	0	1	0	0	103	31	34
12 PM	0	0	0	5	43	55	16	3	0	0	0	0	0	0	122	32	35
13:00	0	1	0	4	40	41	14	3	0	0	0	0	0	0	103	31	35
14:00	0	0	0	3	56	55	27	5	1	0	0	0	0	0	147	32	37
15:00	0	0	0	8	57	57	24	3	1	0	0	0	0	0	150	32	36
16:00	0	1	0	5	45	73	22	3	0	0	0	0	0	0	149	32	35
17:00	0	0	0	6	49	55	10	3	0	0	0	0	0	0	123	31	34
18:00	0	0	0	4	31	45	15	1	0	0	0	0	0	0	96	32	35
19:00	0	0	0	3	14	16	11	1	0	0	0	0	0	0	45	32	37
20:00	0	0	0	1	11	9	3	0	0	0	0	0	0	0	24	31	34
21:00	0	0	0	2	4	10	2	0	0	1	0	0	0	0	19	32	35
22:00	0	0	0	1	2	2	5	0	0	0	0	0	0	0	10	34	38
23:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
Total	0	2	3	67	506	607	216	28	2	1	0	1	0	0	1433		
Percent	0.0%	0.1%	0.2%	4.7%	35.3%	42.4%	15.1%	2.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%			
AM Peak			11:00	10:00	11:00	10:00	10:00	08:00				11:00			10:00		
Vol.			2	7	43	48	16	2				1			110		
PM Peak		13:00		15:00	15:00	16:00	14:00	14:00	21:00						15:00		
Vol.		1		8	57	73	27	5	1	1					150		
Total	0	2	3	67	506	607	216	28	2	1	0	1	0	0	1433		
Percent	0.0%	0.1%	0.2%	4.7%	35.3%	42.4%	15.1%	2.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 35 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1113  
Percent in Pace : 77.7%  
Number of Vehicles > 25 MPH : 1361  
Percent of Vehicles > 25 MPH : 95.0%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-076  
Granville Fairway btwn Dryden &  
Cambridge Ave 34.604110, -112.357060  
Latitude: 0' 0.0000 Undefined

## Northbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	28	29
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	43	44
03:00	0	0	0	0	0	3	3	0	0	0	0	0	0	0	6	36	38
04:00	0	0	0	0	3	9	2	0	0	0	0	0	0	0	14	33	34
05:00	0	0	0	3	17	15	10	3	0	0	0	0	0	0	48	32	37
06:00	0	0	0	3	32	62	17	1	2	0	0	0	0	0	117	32	35
07:00	0	0	0	4	42	53	20	0	0	0	0	0	0	0	119	32	35
08:00	0	0	0	1	43	43	20	2	0	0	0	0	0	0	109	32	36
09:00	0	0	0	4	44	43	18	0	0	0	0	0	0	0	109	31	35
10:00	0	0	0	5	35	54	19	4	0	1	0	0	0	0	118	32	36
11:00	0	0	0	3	55	67	19	2	0	0	0	0	0	0	146	32	34
12 PM	0	0	0	6	60	73	29	6	0	0	0	0	0	0	174	32	36
13:00	0	0	0	5	37	65	29	4	1	0	0	0	0	0	141	33	37
14:00	0	0	0	4	42	93	25	5	0	0	0	0	0	0	169	33	35
15:00	0	0	0	4	56	80	32	4	0	1	0	0	0	0	177	32	36
16:00	0	0	0	6	53	102	45	3	3	1	0	0	0	0	213	33	37
17:00	0	0	0	8	64	80	27	4	0	0	0	0	0	0	183	32	35
18:00	0	0	0	0	44	53	21	1	1	1	0	0	0	0	121	32	36
19:00	0	0	0	2	33	43	19	0	1	0	0	0	0	0	98	32	36
20:00	0	0	0	0	22	42	8	1	0	0	0	0	0	0	73	32	34
21:00	0	0	0	1	16	13	6	1	0	0	0	0	0	0	37	32	36
22:00	0	0	0	1	6	12	2	2	0	0	0	0	0	0	23	33	36
23:00	0	0	0	0	1	4	0	2	0	0	0	0	0	0	7	35	42
Total	0	0	0	60	708	1009	371	46	8	4	0	0	0	0	2206		
Percent	0.0%	0.0%	0.0%	2.7%	32.1%	45.7%	16.8%	2.1%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%			
AM Peak				10:00	11:00	11:00	07:00	10:00	06:00	10:00					11:00		
Vol.				5	55	67	20	4	2	1					146		
PM Peak				17:00	17:00	16:00	16:00	12:00	16:00	15:00					16:00		
Vol.				8	64	102	45	6	3	1					213		
Total	0	0	0	60	708	1009	371	46	8	4	0	0	0	0	2206		
Percent	0.0%	0.0%	0.0%	2.7%	32.1%	45.7%	16.8%	2.1%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 36 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1717  
Percent in Pace : 77.8%  
Number of Vehicles > 25 MPH : 2146  
Percent of Vehicles > 25 MPH : 97.3%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-076  
Granville Fairway btwn Dryden &  
Cambridge Ave 34.604110, -112.357060  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	010	1115	1620	2125	2630	3135	3640	4145	4650	5155	5660	6165	6670	7171	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	0	4	2	0	0	0	0	0	0	0	0	6	30	32
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	43	44
03:00	0	0	0	0	2	2	2	0	0	0	0	0	0	0	6	33	37
04:00	0	0	0	0	2	6	6	0	0	0	0	0	0	0	14	34	38
05:00	0	0	1	3	15	24	9	4	1	0	0	0	0	0	57	33	38
06:00	0	0	0	3	43	53	21	2	0	0	0	0	0	0	122	32	36
07:00	0	0	0	4	39	50	16	2	0	0	1	0	0	0	112	32	35
08:00	0	0	0	4	30	54	17	1	1	0	0	0	0	0	107	32	35
09:00	0	0	0	3	42	55	17	2	0	0	0	0	0	0	119	32	35
10:00	0	0	0	3	31	53	18	5	0	0	0	0	0	0	110	33	36
11:00	0	0	0	5	51	84	22	4	0	0	0	0	0	0	166	32	35
12 PM	0	0	1	7	41	92	28	3	1	0	0	0	0	0	173	32	36
13:00	0	0	0	4	52	82	39	5	1	0	0	0	0	0	183	33	37
14:00	0	0	0	1	48	94	22	2	1	0	0	0	0	0	168	32	34
15:00	0	0	0	6	48	82	36	3	0	0	0	0	0	0	175	32	36
16:00	0	0	0	3	57	98	30	6	1	0	0	0	0	0	195	33	36
17:00	0	0	0	5	48	79	33	4	0	0	0	0	0	0	169	32	36
18:00	0	0	0	3	39	78	26	4	0	0	0	0	0	0	150	33	36
19:00	0	0	0	0	34	44	10	2	0	0	0	0	0	0	90	32	34
20:00	0	0	0	2	20	34	6	1	0	0	0	0	0	0	63	32	34
21:00	0	0	0	2	15	12	12	3	1	0	0	0	0	0	45	33	38
22:00	0	0	0	0	5	8	2	0	1	0	0	0	0	0	16	33	36
23:00	0	0	0	0	3	5	1	1	0	0	0	0	0	0	10	33	37
Total	0	0	2	58	670	1091	373	56	8	0	1	0	0	0	2259		
Percent	0.0%	0.0%	0.1%	2.6%	29.7%	48.3%	16.5%	2.5%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak			05:00	11:00	11:00	11:00	11:00	10:00	05:00		07:00				11:00		
Vol.			1	5	51	84	22	5	1		1				166		
PM Peak			12:00	12:00	16:00	16:00	13:00	16:00	12:00						16:00		
Vol.			1	7	57	98	39	6	1						195		
Total	0	0	2	58	670	1091	373	56	8	0	1	0	0	0	2259		
Percent	0.0%	0.0%	0.1%	2.6%	29.7%	48.3%	16.5%	2.5%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 27 MPH  
50th Percentile : 31 MPH  
85th Percentile : 36 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1761  
Percent in Pace : 78.0%  
Number of Vehicles > 25 MPH : 2199  
Percent of Vehicles > 25 MPH : 97.3%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-076  
Granville Fairway btwn Dryden &  
Cambridge Ave 34.604110, -112.357060  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	0	6	2	0	0	0	0	0	0	0	0	8	29	32
01:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	28	29
02:00	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	43	44
03:00	0	0	0	0	2	5	5	0	0	0	0	0	0	0	12	34	38
04:00	0	0	0	0	5	15	8	0	0	0	0	0	0	0	28	34	37
05:00	0	0	1	6	32	39	19	7	1	0	0	0	0	0	105	32	37
06:00	0	0	0	6	75	115	38	3	2	0	0	0	0	0	239	32	35
07:00	0	0	0	8	81	103	36	2	0	0	1	0	0	0	231	32	35
08:00	0	0	0	5	73	97	37	3	1	0	0	0	0	0	216	32	36
09:00	0	0	0	7	86	98	35	2	0	0	0	0	0	0	228	32	35
10:00	0	0	0	8	66	107	37	9	0	1	0	0	0	0	228	32	36
11:00	0	0	0	8	106	151	41	6	0	0	0	0	0	0	312	32	35
12 PM	0	0	1	13	101	165	57	9	1	0	0	0	0	0	347	32	36
13:00	0	0	0	9	89	147	68	9	2	0	0	0	0	0	324	33	37
14:00	0	0	0	5	90	187	47	7	1	0	0	0	0	0	337	32	35
15:00	0	0	0	10	104	162	68	7	0	1	0	0	0	0	352	32	36
16:00	0	0	0	9	110	200	75	9	4	1	0	0	0	0	408	33	36
17:00	0	0	0	13	112	159	60	8	0	0	0	0	0	0	352	32	36
18:00	0	0	0	3	83	131	47	5	1	1	0	0	0	0	271	33	36
19:00	0	0	0	2	67	87	29	2	1	0	0	0	0	0	188	32	35
20:00	0	0	0	2	42	76	14	2	0	0	0	0	0	0	136	32	34
21:00	0	0	0	3	31	25	18	4	1	0	0	0	0	0	82	33	37
22:00	0	0	0	1	11	20	4	2	1	0	0	0	0	0	39	33	36
23:00	0	0	0	0	4	9	1	3	0	0	0	0	0	0	17	34	40
Total	0	0	2	118	1378	2100	744	102	16	4	1	0	0	0	4465		
Percent	0.0%	0.0%	0.0%	2.6%	30.9%	47.0%	16.7%	2.3%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak			05:00	07:00	11:00	11:00	11:00	10:00	06:00	10:00	07:00				11:00		
Vol.			1	8	106	151	41	9	2	1	1				312		
PM Peak			12:00	12:00	17:00	16:00	16:00	12:00	16:00	15:00					16:00		
Vol.			1	13	112	200	75	9	4	1					408		
Total	0	0	2	118	1378	2100	744	102	16	4	1	0	0	0	4465		
Percent	0.0%	0.0%	0.0%	2.6%	30.9%	47.0%	16.7%	2.3%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 36 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3478  
Percent in Pace : 77.9%  
Number of Vehicles > 25 MPH : 4345  
Percent of Vehicles > 25 MPH : 97.3%  
Mean Speed(Average) : 32 MPH

## Crash Summary

### Granville Fairway - Santa Fe Loop to Tuscany Way

Data Period: 2019 - 2021

Total Crashes: 4

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3570274	9/27/2019	2:46 PM	2019	Granville Fairway	Dryden Street	-300	Possible Injury	Sideswipe	Daylight	2	2	0	
2	3714027	12/17/2020	3:30 PM	2020	Granville Fairway	Wakefield Drive	0	No Injury	Single Vehicle	Daylight	1	0	0	Yes
3	3796857	8/5/2021	3:30 PM	2021	Granville Fairway	Tuscany Way	-50	No Injury	Other	Daylight	2	0	0	
4	3751721	4/6/2021	5:12 PM	2021	Granville Fairway	Tuscany Way	-170	Possible Injury	Head-on	Daylight	2	3	0	



# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



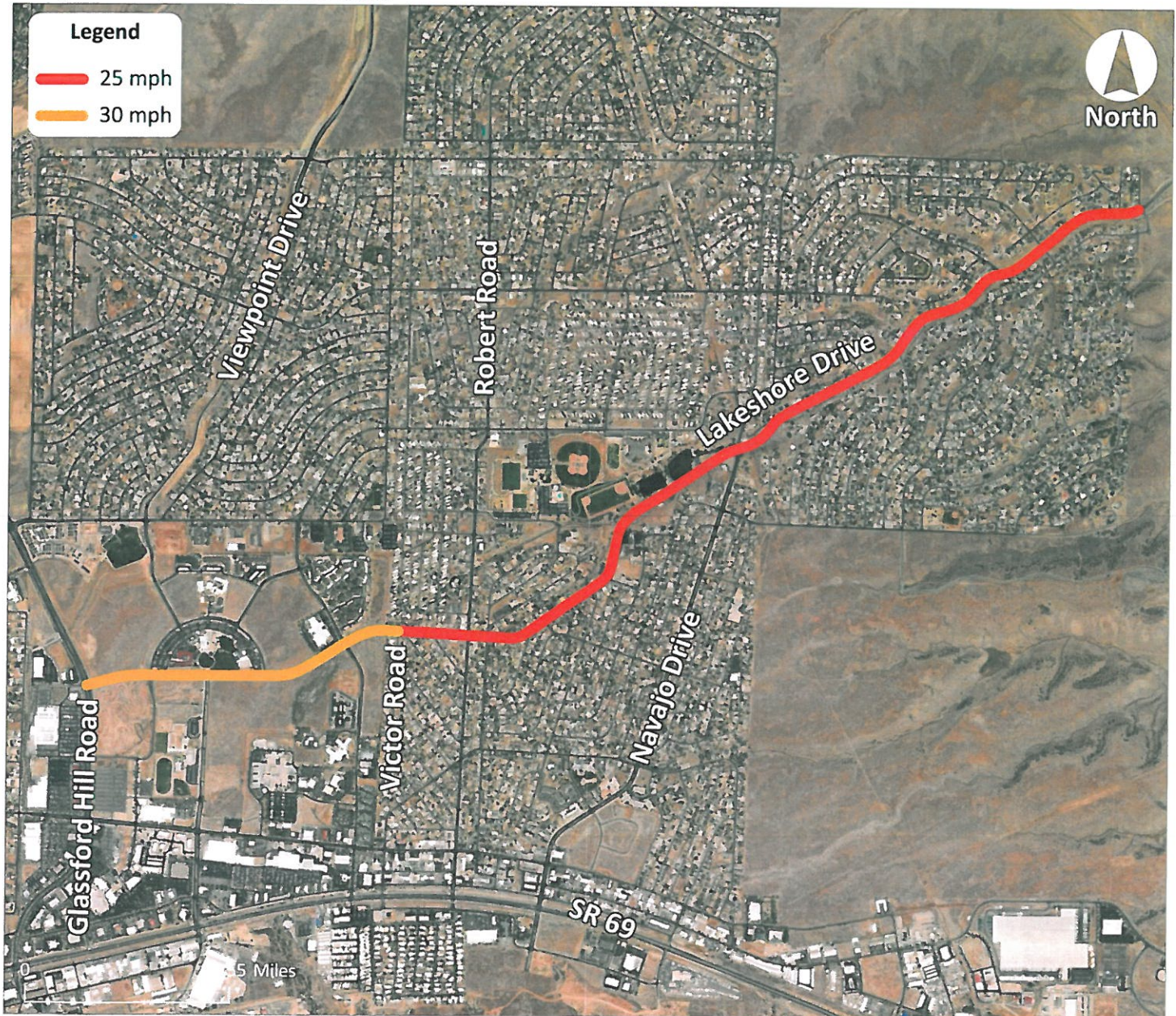
**Segment Studied:** Lakeshore Drive

**From:** Glassford Hill Road

**To:** Town Limits

**Length:** 3.3 miles

## Study Area Map - Existing Speed Limits



**Introduction:**

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

Lakeshore Drive has been divided into the following four segments to reflect different conditions along portions of the corridor:

- Segment 1: Glassford Hill Road to Victor Road
- Segment 2: Victor Road to Warren Road
- Segment 3: Warren Road to Navajo Drive
- Segment 4: Navajo Drive to Town Limits

**Segment 1: Glassford Hill Road to Victor Road**

**Roadway Characteristics:**

- Functional Classification: minor arterial
- Existing Speed Limit: 30 mph
- Two lanes in each direction mostly separated by a raised median
- Pavement width varies from about 50 to 75 feet
- Moderate horizontal curvature
- Curb, and gutter on both sides of the roadway
- No bike lanes or marked edge lines
- Sidewalk/multi-use path on the north side of the roadway
- Street lighting mostly near intersections along the roadway
- Rectangular Rapid-Flashing Beacon (RRFB) at Lake Valley Drive
- During Lee Engineering's field review, Lakeshore Drive was closed at Glassford Hill Road due to construction. Field observations likely did not capture typical driver behavior near the west end of the segment because of the closure. However, observations in other areas, coupled with other available data, were able to provide a sufficient understanding of the segment as a whole.

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Wednesday, November 30, 2022, at the following location:

- Lakeshore Drive, about 900 feet west of Windsong Drive



**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>900 feet west of Windsong Drive</i></b>			
Eastbound	34 mph	37 mph	5,286
Westbound	30 mph	33 mph	4,521
Both Directions	32 mph	35 mph	9,807

- The average speed is about 32 mph, and the 85th-percentile speed is about 35 mph.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	14	8	0	22	3
2020	8	3	0	11	3
2021	13	9	0	22	4
<b>Total</b>	<b>35</b>	<b>20</b>	<b>0</b>	<b>55</b>	<b>10</b>

- 55 crashes were reported, an average of about 18.3 crashes per year.
- 2 serious injury, 5 minor injury, and 13 possible injury crashes were reported.
- Of the 55 crashes, 32 occurred at the Glassford Hill Road intersection; these crashes are not generally relevant to the speed limit on Lakeshore Drive. Of the 20 injury crashes, 11 occurred at the Glassford Hill Road intersection.
- Among the 13 possible-injury crashes, a bicyclist crash occurred at the east intersection of Skoog Boulevard and Lakeshore Drive (about 800 feet east of Lake Valley Road) on November 14, 2019, at 7:29 a.m., when an eastbound bicyclist on the north (left) side of the road was struck by a southbound vehicle making a right turn onto Lakeshore Drive whose driver failed to yield.
- Among the 5 minor-injury crashes, a pedestrian crash occurred at the same intersection on August 15, 2021, at 7:36 p.m., when a motorist making a left turn onto Skoog Boulevard failed to yield to an eastbound pedestrian crossing the street.
- One of the 5 minor injury crashes was reported as a speed-related crash.

- Excluding the crashes at Glassford Hill Road, the crash rate along the segment is 249 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 97 per 100 MVM.
- The average crash rate for similar roadways is 250 per 100 MVM, and the average injury rate for similar roadways is 78 per 100 MVM.
- The crash rate along the segment is nearly identical to the average rate on similar roadways. The injury rate along the segment is 24% higher than the average injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes C2 – Commercial (General Sales & Services), C1 – Commercial (Neighborhood Sales & Services), RCU – Residential (Conditional Use Permits), PL – Public Lands, and RS – Residential & Services.
- Vacant land exists on both sides of the roadway.
- Civic Center Park and the Prescott Valley Civic Center, including the Public Library, Town Hall, and Police Station, are on the north side of the roadway.

**Speed Limit Recommendation:**

Retain the existing 30-mph speed limit, for the following reasons:

- Drivers' existing average travel speeds are slightly above the existing 30-mph speed limit. Based only on the 85th-percentile speeds, a speed limit of 35 mph might be justifiable. However, several factors suggest that retaining the existing 30-mph speed limit would be preferable:
  - There are pedestrian generators along and near the roadway, including the Prescott Valley Civic Center and Liberty Traditional School about ¼ mile south of Lakeshore Drive on Lake Valley Drive. The Lakeshore Multi-Use Path runs along the north side of the street connecting Glassford Hill Road with points east along the corridor. Significant volumes of pedestrians and cyclists were observed in the area.
  - While the crash rate is average of typical roadways, the injury rate is higher than average, suggesting that increasing the speed limit would not help promote the segment's safety performance.
  - At the east end of the segment, the speed limit drops to 25 mph because of very different conditions. Retaining a 30-mph speed limit in this segment limits the step-down to 5 mph, which is expected to improve speed compliance in the segment to the east.
- It would also not be reasonable to reduce the speed limit to 25 mph, for these reasons:
  - Existing average travel speeds are well above 25 mph. Most drivers would likely view 25 mph as slower than necessary for conditions.
  - While retaining a consistent speed limit along a corridor is desirable, there is a clear transition in roadway characteristics at about Victor Road. To the west of this point, the roadway has a raised landscaped median, and to the east it is undivided. To the west it has very few intersections and no driveways, and to the east it has front-facing single-family homes with frequent driveways and many mid-block turning movements. Conditions east of Victor Drive indicate a need for a 25-mph speed limit, but conditions are so different to the west of there that motorists likely expect a higher speed limit to prevail.
  - The 85th-percentile travel speeds segment-wide average 35 mph, indicating that a 35-mph speed limit is consistent with the majority of drivers' speed choices. Reducing the speed limit to 25 mph would cause it to be well below most drivers' typical travel speeds.

- The excellent access management and signalized control of almost all left-turn and crossing movements suggest that speed limits do not need to be reduced to accommodate these movements.
  - It would be unusual to post an arterial street at 25 mph.
- Horizontal curvature along the segment is comfortable at 30 mph, according to ball-bank indicator readings, which peak at 6° of ball bank. No curve warning signs are necessary.

**Recommended Action Items:**

- In the eastbound direction, the existing posted speed limit sign is about 600 feet east of Glassford Hill Road. The town may wish to consider relocating this sign just downstream from Glassford Hill Road to ensure that motorists entering Lakeshore Drive are aware of the speed limit.

## **Segment 2: Victor Road to Warren Road**

**Roadway Characteristics:**

- Functional Classification: minor arterial
- Existing Speed Limit: 25 mph
- West of Robert Road: Mostly two lanes in each direction separated by a double-yellow centerline
- East of Robert Road: Mostly one lane in each direction separated by a double-yellow centerline
- Pavement width varies from about 25 to 45 feet to accommodate left- and right-turn lanes
- Moderate horizontal curvature
- Curb, gutter, street lighting, and sidewalk on both sides of the roadway starting at Victor Road and terminating about 280 feet east of Robert Road
- No bike lanes
- The Lakeshore Multi-Use Path diverges from Lakeshore Drive in this segment, traversing through the residential neighborhood to the north.

**Data Collection:**

No traffic counts were collected.

**Speed and Traffic Volume:**

No speed or traffic volume was collected.

**Crash Analysis:**

A summary of crashes is shown in **Table 3**. Complete crash data is attached.

**Table 3: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	8	2	0	10	4
2020	6	6	0	12	2
2021	8	0	0	8	1
<b>Total</b>	<b>22</b>	<b>8</b>	<b>0</b>	<b>30</b>	<b>7</b>

- 30 crashes were reported, an average of 10 crashes per year. However, 14 of the 30 crashes occurred at the Robert Road intersection.
- 5 minor-injury crashes and 3 possible-injury crashes were reported.
- One of the 5 minor-injury crashes and one of the 3 possible-injury crashes were reported as speed-related crashes.
- Since traffic volume was not collected in this segment, it is not possible to compute exact crash rates. However, assuming the volume in this segment is the same as the segment to the east, the crash rate along this segment is 1,652 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 441 per 100 MVM. (However, crashes at Robert Road inflate these rates.)
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM. The critical crash rate is 445 per 100 MVM, and the critical injury rate is 193 per 100 MVM.
- The crash rate along the corridor is a factor of 7.1 times higher than the average rate on similar roadways. The injury rate along the corridor is a factor of 6.7 times higher than the average injury rate on similar roadways. The corridor's crash rate is 3.7 times as high as the critical rate, and the corridor's injury rate is 2.3 times as high as the critical injury rate.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R2 – Residential (Multiple Dwelling Units), and C1 – Commercial (Neighborhood Sales & Services).
- Financial and insurance services are located near Robert Road.
- Single-family homes front the street.

**Speed Limit Recommendation:**

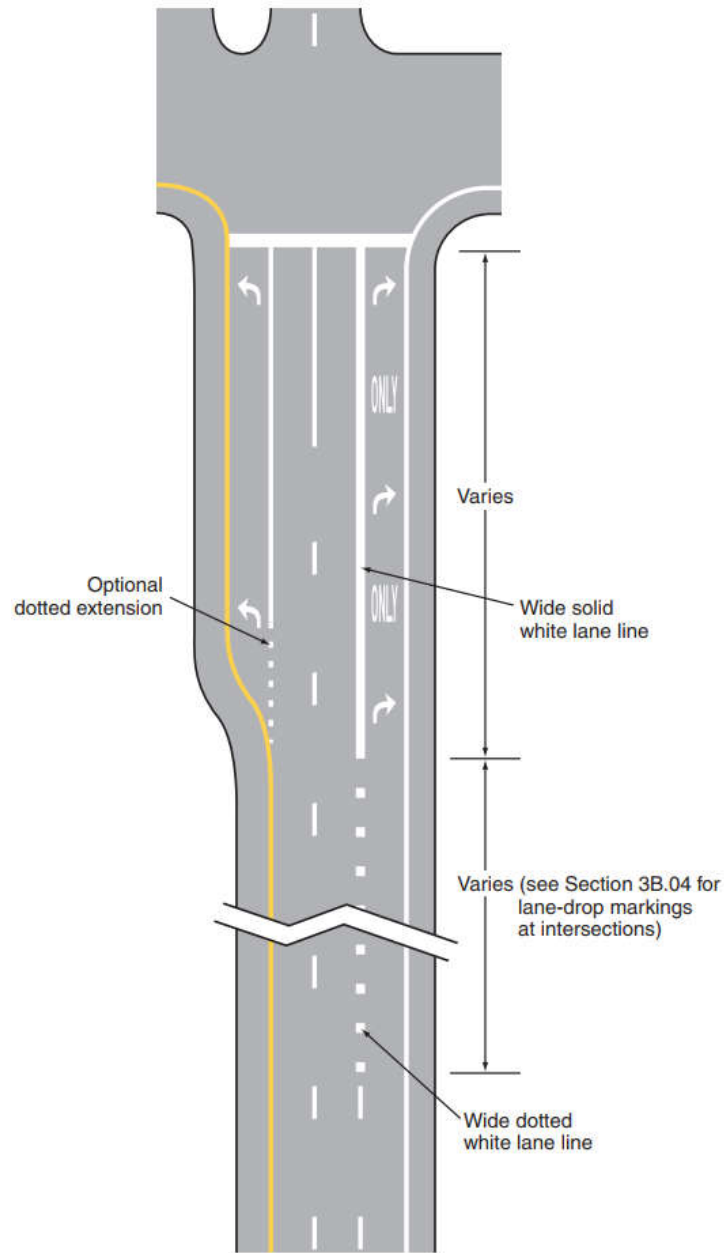
Retain the existing 25-mph speed limit, for the following reasons:

- West of Robert Road, the presence of front-facing homes with frequent driveways suggests a preference for a speed limit of 25 mph.
- East of Robert Road, the need for 25 mph is much more acute because of the much narrower pavement and lack of sidewalks. Pedestrians walking along the street must walk in the travel lane with motor vehicles; this condition is not conducive for speeds higher than 25 mph.

- Crash and injury rates are both considerably higher than average for typical roadways, an indication that the speed limit should not be increased.

**Recommended Action Items:**

- The four-lane undivided cross-section between Robert Road and Victor Road is undesirable because there is no left-turn lane for access to the many driveways and intersections. The town may wish to consider reconfiguring the lanes in this area. Rather than starting the second westbound lane immediately downstream of Robert Road, the start of this lane could be shifted eastward to just west of Victor Road, near the start of the raised median. The recovered space could be used to create a two-way left-turn lane in an asymmetric cross-section, with one lane westbound and two lanes eastbound. The presence of a two-way left-turn lane in this area would also allow eastbound left-turn queues approaching Robert Road to occupy the center turn lane rather than block a through lane. Eliminating one westbound through lane should also help manage existing travel speeds and promote better safety performance.
- The town should consider improving the drop-lane markings on eastbound Lakeshore Drive approaching Robert Road. Provisions for drop-lane markings can be found in the *Manual on Uniform Traffic Control Devices* (MUTCD). An example from Figure 3B-11 of the MUTCD is excerpted below. The purpose of drop-lane markings is to encourage unfamiliar through motorists to merge out of mandatory turn lanes well upstream of the end of the lane, which improves both safety and operational performance. On Lakeshore Drive, drop-lane markings should begin immediately downstream of Debbie Drive, since it is the last intersection prior to the lane drop at Robert Road. Drop-lane markings should be applied on the lane line between the right and left lanes to signify the downstream right-lane drop. The town may wish to consider this change following the next pavement maintenance that obliterates existing markings.



### Segment 3: Warren Road to Navajo Drive

#### Roadway Characteristics:

- Functional Classification: minor arterial
- Existing Speed Limit: 25 mph
- One lane in each direction separated by a double-yellow centerline
- Pavement width varies from about 25 to 30 feet
- Guardrail on the north side of the roadway along Yavapai Lake
- Moderate horizontal curvature
- No curb, gutter, or street lighting

## Speed Limit Study

- The Lakeshore Multi-Use Path returns to an alignment parallel and adjacent to the north side of Lakeshore Drive, buffer-separated from the roadway
- No front-facing houses exist, and access along the roadside is limited to only a few driveways to non-residential parcels.

### Data Collection:

Traffic counts with speed data were recorded for a 24-hour period on Tuesday, May 30, 2023, a day when schools were not in session, at the following location:

- Lakeshore Drive, about 330 feet east of Warren Road

### Speed and Traffic Volume:

Speed and traffic volume are summarized in **Table 4**. Complete results are attached.

**Table 4: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>330 feet east of Warren Road</i></b>			
Eastbound	32 mph	34 mph	1,353
Westbound	30 mph	33 mph	1,322
Both Directions	31 mph	34 mph	2,675

- The average speed is about 31 mph, above the existing 25-mph speed limit.
- The 85th-percentile speed is about 34 mph.

**Crash Analysis:**

A summary of crashes is shown in **Table 5**. Complete crash data is attached.

**Table 5: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	0	1	0	1	0
2020	1	0	0	1	0
2021	0	1	0	1	1
<b>Total</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>1</b>

- 3 crashes were reported, an average of about 1 crash per year. Two of the three crashes occurred at the Navajo Drive intersection.
- One of 2 minor injury crashes occurred near Navajo Drive on August 2, 2021, at 12:34 p.m., when a southbound bicyclist was struck by a southbound vehicle whose driver failed to yield. This crash was also reported as a speed-related crash.
- The crash rate along the segment is 193 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 129 per 100 MVM.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM. However, the critical injury rate is 206 per 100 MVM.
- The crash rate along the segment is 17% lower than the average rate on similar roadways. The injury rate along the segment is 95% higher than the average injury rate on similar roadways, but it is about 37% lower than the critical injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes R2 – Residential (Multiple Dwelling Units), RS – Residential & Services, and PL – Public Lands.
- Vacant land, Soccer Field, Yavapai Lake, and child care services are located along the roadway.

**Speed Limit Recommendation:**

Retain the existing 25-mph speed limit, for the following reasons:

- When considering the 85th-percentile speed and the lack of front-facing homes, it might be justifiable to increase the speed limit to 30 mph. However, several factors suggest that increasing the speed limit would be undesirable:
  - Considerable pedestrian generators exist in this segment, including Yavapai Lake, access to the south side of Mountain Valley Park, and the Lakeshore Multi-Use Path. The likely presence of pedestrians and pedestrian generators suggests that 25 mph is more appropriate.
  - The injury rate along the corridor is considerably higher than average (although the total crash frequency is relatively low.)



- The cross-section is rather narrow, with the two vehicular lanes separated only by a double-yellow centerline.
- It is desirable to retain a consistent speed limit along a corridor as long as conditions are similar. This segment is bounded to the east and west by segments with a strong need for 25-mph speed limits, and increasing the speed limit in this segment would create a 5-mph step up and another 5-mph step down at either end of the segment. Considering that the segment is just over ½ mile long, these frequent changes in speed limit are undesirable.

### **Recommended Action Items:**

- None.

## **Segment 4: Navajo Drive to Town Limits**

### **Roadway Characteristics:**

- Functional Classification: minor arterial
- Existing Speed Limit: 25 mph
- One lane in each direction separated by a double-yellow centerline
- Pavement width is about 30 feet and widens near the town limits
- Moderate horizontal curvature
- No curb, gutter, or street lighting
- Guardrail on the northwest and northeast corners of the Navajo Drive intersection
- The Lakeshore Multi-Use Path runs parallel and adjacent to the roadway, crossing from the north to the south side at a marked uncontrolled crosswalk just east of Navajo Drive

### **Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Thursday, December 15, 2022, and Tuesday, May 30, 2023, at the following locations:

- Site A: Lakeshore Drive, about 400 feet west of Towago Drive
- Site B: Lakeshore Drive, about 850 feet east of Navajo Drive

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 6**. Complete results are attached.

**Table 6: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b>Site A: 400 feet west of Towago Drive</b>			
Eastbound	31 mph	35 mph	871
Westbound	28 mph	32 mph	814
Both Directions	30 mph	34 mph	1,685
<b>Site B: 850 feet east of Navajo Drive</b>			
Eastbound	30 mph	34 mph	914
Westbound	28 mph	31 mph	788
Both Directions	29 mph	33 mph	1,702

- Average speeds ranged from 29 to 30 mph, above the existing 25-mph speed limit.
- 85th-percentile speeds averaged 33 to 34 mph.

**Crash Analysis:**

A summary of crashes is shown in **Table 7**. Complete crash data is attached.

**Table 7: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	0	1	1	2	1
2020	0	0	0	0	0
2021	3	0	0	3	1
<b>Total</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>2</b>

- The segment's safety performance is very good when measured by crash frequency. A total of 5 crashes were reported, including one at Navajo Drive, an average of about 1.7 crashes per year.
- One fatal crash and one minor injury crash were reported.
- The fatal crash occurred at Moccasin Circle on August 21, 2019, at 7:16 p.m., when an eastbound vehicle was struck by another eastbound vehicle in a rear-end crash. This crash was reported as a speed-related crash.
- The crash rate along the segment is 205 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 82 per 100 MVM.

## Speed Limit Study

- The average crash rate for similar roadways is 315 per 100 MVM, and the average injury rate for similar roadways is 75 per 100 MVM.
- The crash rate along the segment is 35% lower than the average rate on similar roadways. The injury rate along the segment is 9% higher than the average injury rate on similar roadways.

### Roadside Development and Environment:

- Zoning includes R2 – Residential (Multiple Dwelling Units).
- Single-family homes front the street.
- Vacant land and single-family homes.

### Speed Limit Recommendation:

Retain the existing 25-mph speed limit, for the following reasons:

- The narrow pavement width and front-facing homes clearly indicate a need for a speed limit no greater than 25 mph.
- While pedestrians can use the multi-use path, the path is only on one side of the street and does not extend all the way east to the town limits. Pedestrians walking along the street have no other sidewalk facility and must walk in the travel lane with motor vehicles; this condition is not conducive for speeds higher than 25 mph.
- The injury rate is slightly above average for typical roadways, an indication that the speed limit should not be increased.

### Recommended Action Items:

- The town may wish to consider replacing the Reverse Curve (W1-4) warning signs, shown below, with Reverse Turn (W1-3) warning signs. Where used, Turn signs, rather than Curve signs, are required by the *Manual on Uniform Traffic Control Devices* (MUTCD) for advisory speeds 30 mph and below. The town may also wish to consider adding a 15 MPH advisory speed plaque in the eastbound direction, consistent with the westbound treatment.



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Wed 11/30/22  
Station ID: 22-1620-014  
Lakeshore Dr west of Windsong Dr  
34.594620, -112.329949  
Latitude: 0' 0.0000 Undefined

Eastbound																
Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71	Total	Percent
11/30/22	0	0	0	0	6	7	3	0	0	0	0	0	0	0	16	32
01:00	0	0	0	0	3	9	1	2	0	0	0	0	0	0	15	38
02:00	0	0	0	0	3	7	2	0	0	1	0	0	0	0	13	37
03:00	0	0	0	1	1	8	1	0	0	0	0	0	0	0	11	34
04:00	0	0	0	0	2	6	3	0	0	0	0	0	0	0	11	37
05:00	0	0	0	0	10	16	11	2	0	0	0	0	0	0	39	38
06:00	0	0	0	2	25	45	24	3	4	0	0	0	0	0	103	38
07:00	0	0	0	0	35	165	96	24	4	0	0	0	0	0	324	38
08:00	0	0	0	4	34	161	108	29	2	0	0	0	0	0	338	39
09:00	0	0	0	1	42	134	68	12	2	0	0	0	0	0	259	38
10:00	0	0	0	1	39	153	78	8	1	0	0	0	0	0	280	37
11:00	0	0	0	1	51	169	74	7	1	1	0	0	0	0	304	37
12 PM	0	0	0	2	70	245	72	13	2	0	0	0	0	0	404	36
13:00	0	0	0	2	76	237	84	6	1	0	0	0	0	0	406	36
14:00	0	0	0	4	77	265	109	18	0	0	0	0	0	0	473	37
15:00	0	0	0	3	50	246	109	14	2	0	0	0	0	0	424	37
16:00	0	0	0	1	63	239	130	16	0	0	0	0	0	0	449	38
17:00	0	0	0	4	98	255	77	13	0	0	0	0	0	0	447	36
18:00	0	0	0	1	104	169	63	2	1	1	0	0	0	0	341	36
19:00	0	0	0	3	41	134	36	5	1	0	2	0	0	0	222	36
20:00	0	0	0	1	56	90	27	4	1	0	0	0	0	0	179	35
21:00	0	0	0	2	28	53	16	4	1	0	0	0	0	0	104	36
22:00	0	0	1	0	31	37	9	5	3	1	0	0	0	0	87	37
23:00	0	0	0	1	11	19	5	1	0	0	0	0	0	0	37	35
Total	0	0	1	34	956	2869	1206	188	26	4	2	0	0	0	5286	
Percent	0.0%	0.0%	0.0%	0.6%	18.1%	54.3%	22.8%	3.6%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%		
AM Peak				08:00	11:00	11:00	08:00	08:00	06:00	02:00					08:00	
Vol.				4	51	169	108	29	4	1					338	
PM Peak			22:00	14:00	18:00	14:00	16:00	14:00	22:00	18:00	19:00				14:00	
Vol.			1	4	104	265	130	18	3	1	2				473	
Total	0	0	1	34	956	2869	1206	188	26	4	2	0	0	0	5286	
Percent	0.0%	0.0%	0.0%	0.6%	18.1%	54.3%	22.8%	3.6%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%		

15th Percentile : 28 MPH  
50th Percentile : 32 MPH  
85th Percentile : 37 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 4075  
Percent in Pace : 77.1%  
Number of Vehicles > 30 MPH : 4295  
Percent of Vehicles > 30 MPH : 81.3%  
Mean Speed(Average) : 34 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 11/30/22  
Station ID: 22-1620-014  
Lakeshore Dr west of Windsong Dr  
34.594620, -112.329949  
Latitude: 0' 0.0000 Undefined

## Westbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/30/22	0	0	0	1	4	3	1	0	0	0	0	0	0	0	9	30	34
01:00	0	0	0	1	3	0	1	0	0	0	0	0	0	0	5	29	36
02:00	0	0	0	1	9	2	0	0	0	0	0	0	0	0	12	28	30
03:00	0	0	0	2	9	5	0	0	0	0	0	0	0	0	16	29	32
04:00	0	0	0	1	19	15	1	0	0	0	0	0	0	0	36	30	33
05:00	0	0	0	3	41	19	3	0	0	0	0	0	0	0	66	30	33
06:00	0	0	1	11	110	51	7	1	0	0	0	0	0	0	181	30	33
07:00	0	0	0	27	258	185	15	2	0	0	0	0	0	0	487	30	33
08:00	0	0	0	20	157	141	13	1	0	0	0	0	0	0	332	30	33
09:00	0	0	0	12	127	101	11	1	0	0	0	0	0	0	252	30	33
10:00	0	0	0	18	156	99	14	0	0	0	0	0	0	0	287	30	33
11:00	0	0	1	16	167	94	10	1	0	0	0	0	0	0	289	30	33
12 PM	0	0	0	13	153	99	10	1	0	0	0	0	0	0	276	30	33
13:00	0	0	0	23	208	126	13	0	0	0	0	0	0	0	370	30	33
14:00	0	0	0	16	180	120	8	0	0	0	0	0	0	0	324	30	33
15:00	0	0	0	14	167	143	9	1	0	0	0	0	0	0	334	30	33
16:00	0	0	0	15	168	133	13	0	1	0	0	0	0	0	330	30	33
17:00	0	0	1	17	198	113	10	1	0	0	0	0	0	0	340	30	33
18:00	0	0	0	13	129	65	4	0	0	0	0	0	0	0	211	29	32
19:00	0	0	0	13	96	29	5	0	0	0	0	0	0	0	143	29	32
20:00	0	0	0	13	67	24	3	0	0	0	0	0	0	0	107	29	32
21:00	0	0	0	7	36	15	1	0	0	0	0	0	0	0	59	29	32
22:00	0	0	0	9	11	10	0	0	0	0	0	0	0	0	30	28	32
23:00	0	0	0	1	13	10	1	0	0	0	0	0	0	0	25	30	33
Total	0	0	3	267	2486	1602	153	9	1	0	0	0	0	0	4521		
Percent	0.0%	0.0%	0.1%	5.9%	55.0%	35.4%	3.4%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak			06:00	07:00	07:00	07:00	07:00	07:00							07:00		
Vol.			1	27	258	185	15	2							487		
PM Peak			17:00	13:00	13:00	15:00	13:00	12:00	16:00						13:00		
Vol.			1	23	208	143	13	1	1						370		
Total	0	0	3	267	2486	1602	153	9	1	0	0	0	0	0	4521		
Percent	0.0%	0.0%	0.1%	5.9%	55.0%	35.4%	3.4%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 33 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 4088  
Percent in Pace : 90.4%  
Number of Vehicles > 30 MPH : 1765  
Percent of Vehicles > 30 MPH : 39.0%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 11/30/22  
Station ID: 22-1620-014  
Lakeshore Dr west of Windsong Dr  
34.594620, -112.329949  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/30/22	0	0	0	1	10	10	4	0	0	0	0	0	0	0	25	31	35
01:00	0	0	0	1	6	9	2	2	0	0	0	0	0	0	20	33	37
02:00	0	0	0	1	12	9	2	0	0	1	0	0	0	0	25	31	34
03:00	0	0	0	3	10	13	1	0	0	0	0	0	0	0	27	30	33
04:00	0	0	0	1	21	21	4	0	0	0	0	0	0	0	47	31	34
05:00	0	0	0	3	51	35	14	2	0	0	0	0	0	0	105	31	35
06:00	0	0	1	13	135	96	31	4	4	0	0	0	0	0	284	31	34
07:00	0	0	0	27	293	350	111	26	4	0	0	0	0	0	811	32	35
08:00	0	0	0	24	191	302	121	30	2	0	0	0	0	0	670	33	37
09:00	0	0	0	13	169	235	79	13	2	0	0	0	0	0	511	32	36
10:00	0	0	0	19	195	252	92	8	1	0	0	0	0	0	567	32	35
11:00	0	0	1	17	218	263	84	8	1	1	0	0	0	0	593	32	35
12 PM	0	0	0	15	223	344	82	14	2	0	0	0	0	0	680	32	34
13:00	0	0	0	25	284	363	97	6	1	0	0	0	0	0	776	32	34
14:00	0	0	0	20	257	385	117	18	0	0	0	0	0	0	797	32	35
15:00	0	0	0	17	217	389	118	15	2	0	0	0	0	0	758	32	35
16:00	0	0	0	16	231	372	143	16	1	0	0	0	0	0	779	32	36
17:00	0	0	1	21	296	368	87	14	0	0	0	0	0	0	787	32	34
18:00	0	0	0	14	233	234	67	2	1	1	0	0	0	0	552	31	34
19:00	0	0	0	16	137	163	41	5	1	0	2	0	0	0	365	32	34
20:00	0	0	0	14	123	114	30	4	1	0	0	0	0	0	286	31	34
21:00	0	0	0	9	64	68	17	4	1	0	0	0	0	0	163	31	34
22:00	0	0	1	9	42	47	9	5	3	1	0	0	0	0	117	32	35
23:00	0	0	0	2	24	29	6	1	0	0	0	0	0	0	62	31	34
Total	0	0	4	301	3442	4471	1359	197	27	4	2	0	0	0	9807		
Percent	0.0%	0.0%	0.0%	3.1%	35.1%	45.6%	13.9%	2.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.			06:00 1	07:00 27	07:00 293	07:00 350	08:00 121	08:00 30	06:00 4	02:00 1					07:00 811		
PM Peak Vol.			17:00 1	13:00 25	17:00 296	15:00 389	16:00 143	14:00 18	22:00 3	18:00 1	19:00 2				14:00 797		
Total	0	0	4	301	3442	4471	1359	197	27	4	2	0	0	0	9807		
Percent	0.0%	0.0%	0.0%	3.1%	35.1%	45.6%	13.9%	2.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 35 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 7913  
Percent in Pace : 80.7%  
Number of Vehicles > 30 MPH : 6060  
Percent of Vehicles > 30 MPH : 61.8%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-089  
Lakeshore Dr north of Warren Rd  
34.599850, -112.314489  
Latitude: 0' 0.0000 Undefined

## Northbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	2	1	1	0	0	0	0	0	0	0	4	32	37
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
02:00	0	0	0	0	1	1	0	0	1	0	0	0	0	0	3	36	47
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
04:00	0	0	0	0	1	2	1	1	0	0	0	0	0	0	5	35	41
05:00	0	0	0	1	2	5	1	1	0	0	0	0	0	0	10	33	37
06:00	0	0	0	1	3	13	4	1	0	0	0	0	0	0	22	33	37
07:00	0	0	0	3	13	17	5	0	0	0	0	0	0	0	38	31	34
08:00	0	0	0	2	15	16	6	0	0	0	0	0	0	0	39	31	35
09:00	1	3	3	2	23	25	5	0	0	0	0	0	0	0	62	29	34
10:00	0	0	1	1	34	48	8	0	0	0	0	0	0	0	92	31	34
11:00	0	0	2	3	23	43	10	0	0	0	0	0	0	0	81	31	34
12 PM	0	0	0	1	32	42	8	0	0	0	0	0	0	0	83	31	34
13:00	0	0	0	2	12	64	12	2	1	0	0	0	0	0	93	33	35
14:00	0	0	1	5	27	70	10	1	0	0	0	0	0	0	114	32	34
15:00	0	0	0	2	29	68	14	0	0	0	0	0	0	0	113	32	34
16:00	0	0	2	1	24	78	20	0	0	0	0	0	0	0	125	33	35
17:00	0	0	0	3	22	67	21	1	0	0	0	0	0	0	114	33	36
18:00	0	0	0	1	26	58	16	2	1	0	0	0	0	0	104	33	36
19:00	0	0	0	3	25	29	3	1	0	0	0	0	0	0	61	31	34
20:00	0	0	0	1	34	18	4	1	0	0	0	0	0	0	58	30	33
21:00	0	0	0	2	39	38	3	1	0	0	0	0	0	0	83	31	33
22:00	0	0	0	2	8	16	4	0	1	0	2	0	0	0	33	34	37
23:00	0	0	0	0	5	7	2	0	0	0	0	0	0	0	14	32	34
Total	1	3	9	36	401	727	158	12	4	0	2	0	0	0	1353		
Percent	0.1%	0.2%	0.7%	2.7%	29.6%	53.7%	11.7%	0.9%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%			
AM Peak	09:00	09:00	09:00	07:00	10:00	10:00	11:00	04:00	02:00						10:00		
Vol.	1	3	3	3	34	48	10	1	1						92		
PM Peak			16:00	14:00	21:00	16:00	17:00	13:00	13:00		22:00				16:00		
Vol.			2	5	39	78	21	2	1		2				125		
Total	1	3	9	36	401	727	158	12	4	0	2	0	0	0	1353		
Percent	0.1%	0.2%	0.7%	2.7%	29.6%	53.7%	11.7%	0.9%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1128  
Percent in Pace : 83.4%  
Number of Vehicles > 25 MPH : 1304  
Percent of Vehicles > 25 MPH : 96.4%  
Mean Speed(Average) : 32 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-089  
Lakeshore Dr north of Warren Rd  
34.599850, -112.314489  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	0	1	2	1	0	0	0	0	0	0	0	4	33	37
01:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3	28	32
02:00	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	36	43
03:00	0	0	0	0	3	1	0	0	0	0	0	0	0	0	4	29	32
04:00	0	0	0	1	3	0	3	0	0	0	0	0	0	0	7	32	38
05:00	0	0	0	1	15	6	3	0	0	0	0	0	0	0	25	30	34
06:00	0	0	1	1	21	26	5	1	0	0	1	0	0	0	56	32	34
07:00	0	0	0	7	33	42	4	0	0	0	0	0	0	0	86	30	33
08:00	0	0	1	5	43	32	1	0	0	0	0	0	0	0	82	30	33
09:00	0	2	0	21	51	12	1	0	0	0	0	0	1	0	88	28	30
10:00	0	0	0	9	57	18	2	0	0	0	0	0	0	0	86	29	31
11:00	0	0	1	7	43	29	1	1	0	0	0	0	0	0	82	30	33
12 PM	0	1	1	15	57	23	6	1	0	0	0	0	0	0	104	29	33
13:00	0	0	0	8	49	31	5	1	1	0	0	0	0	0	95	30	33
14:00	0	0	3	10	57	24	4	0	0	0	0	0	0	0	98	29	32
15:00	1	0	1	8	46	24	7	1	0	0	0	0	0	0	88	30	33
16:00	0	0	0	4	47	30	2	1	0	0	0	0	0	0	84	30	33
17:00	2	1	1	4	35	37	7	0	0	0	0	0	0	0	87	30	34
18:00	0	0	0	8	39	39	2	0	0	0	0	0	0	0	88	30	33
19:00	0	0	0	4	25	18	2	0	0	0	0	0	0	0	49	30	33
20:00	0	0	0	5	25	15	4	1	0	0	0	0	0	0	50	30	34
21:00	0	0	0	1	19	8	1	0	0	0	0	0	0	0	29	30	32
22:00	0	0	0	2	11	2	1	0	0	0	0	0	0	0	16	29	31
23:00	0	0	0	3	4	2	0	0	0	0	0	0	0	0	9	27	31
Total	3	4	9	125	686	422	62	8	1	0	1	0	1	0	1322		
Percent	0.2%	0.3%	0.7%	9.5%	51.9%	31.9%	4.7%	0.6%	0.1%	0.0%	0.1%	0.0%	0.1%	0.0%			
AM Peak		09:00	06:00	09:00	10:00	07:00	06:00	02:00			06:00		09:00		09:00		
Vol.		2	1	21	57	42	5	1			1		1		88		
PM Peak	17:00	12:00	14:00	12:00	12:00	18:00	15:00	12:00	13:00						12:00		
Vol.	2	1	3	15	57	39	7	1	1						104		
Total	3	4	9	125	686	422	62	8	1	0	1	0	1	0	1322		
Percent	0.2%	0.3%	0.7%	9.5%	51.9%	31.9%	4.7%	0.6%	0.1%	0.0%	0.1%	0.0%	0.1%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 35 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1108  
Percent in Pace : 83.8%  
Number of Vehicles > 25 MPH : 1181  
Percent of Vehicles > 25 MPH : 89.3%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-089  
Lakeshore Dr north of Warren Rd  
34.599850, -112.314489  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	3	3	2	0	0	0	0	0	0	0	8	32	37
01:00	0	0	0	1	1	2	0	0	0	0	0	0	0	0	4	29	33
02:00	0	0	0	0	2	1	0	1	1	0	0	0	0	0	5	36	46
03:00	0	0	0	0	4	1	0	0	0	0	0	0	0	0	5	29	31
04:00	0	0	0	1	4	2	4	1	0	0	0	0	0	0	12	33	38
05:00	0	0	0	2	17	11	4	1	0	0	0	0	0	0	35	31	34
06:00	0	0	1	2	24	39	9	2	0	0	1	0	0	0	78	32	35
07:00	0	0	0	10	46	59	9	0	0	0	0	0	0	0	124	31	34
08:00	0	0	1	7	58	48	7	0	0	0	0	0	0	0	121	30	33
09:00	1	5	3	23	74	37	6	0	0	0	0	0	1	0	150	28	32
10:00	0	0	1	10	91	66	10	0	0	0	0	0	0	0	178	30	33
11:00	0	0	3	10	66	72	11	1	0	0	0	0	0	0	163	30	34
12 PM	0	1	1	16	89	65	14	1	0	0	0	0	0	0	187	30	33
13:00	0	0	0	10	61	95	17	3	2	0	0	0	0	0	188	32	34
14:00	0	0	4	15	84	94	14	1	0	0	0	0	0	0	212	30	34
15:00	1	0	1	10	75	92	21	1	0	0	0	0	0	0	201	31	34
16:00	0	0	2	5	71	108	22	1	0	0	0	0	0	0	209	31	34
17:00	2	1	1	7	57	104	28	1	0	0	0	0	0	0	201	32	34
18:00	0	0	0	9	65	97	18	2	1	0	0	0	0	0	192	31	34
19:00	0	0	0	7	50	47	5	1	0	0	0	0	0	0	110	30	33
20:00	0	0	0	6	59	33	8	2	0	0	0	0	0	0	108	30	34
21:00	0	0	0	3	58	46	4	1	0	0	0	0	0	0	112	30	33
22:00	0	0	0	4	19	18	5	0	1	0	2	0	0	0	49	32	35
23:00	0	0	0	3	9	9	2	0	0	0	0	0	0	0	23	30	34
Total	4	7	18	161	1087	1149	220	20	5	0	3	0	1	0	2675		
Percent	0.1%	0.3%	0.7%	6.0%	40.6%	43.0%	8.2%	0.7%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%			
AM Peak	09:00	09:00	09:00	09:00	10:00	11:00	11:00	06:00	02:00		06:00		09:00		10:00		
Vol.	1	5	3	23	91	72	11	2	1		1		1		178		
PM Peak	17:00	12:00	14:00	12:00	12:00	16:00	17:00	13:00	13:00		22:00				14:00		
Vol.	2	1	4	16	89	108	28	3	2		2				212		
Total	4	7	18	161	1087	1149	220	20	5	0	3	0	1	0	2675		
Percent	0.1%	0.3%	0.7%	6.0%	40.6%	43.0%	8.2%	0.7%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 37 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2236  
Percent in Pace : 83.6%  
Number of Vehicles > 25 MPH : 2485  
Percent of Vehicles > 25 MPH : 92.9%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23

Station ID: 23-1225-071

Lakeshore Dr btwn Towago Dr & Whipshaw

Dr 34.611116, -112.295179

Latitude: 0' 0.0000 Undefined

## Eastbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	28	33
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	41	43
03:00	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3	33	37
04:00	0	0	0	1	1	5	5	1	2	0	0	0	0	0	15	36	43
05:00	0	1	0	0	5	9	4	3	2	0	0	0	0	0	24	34	42
06:00	0	0	1	0	6	27	9	2	0	0	0	0	0	0	45	33	37
07:00	0	1	0	0	16	30	16	1	1	0	0	0	1	0	66	34	37
08:00	0	0	0	4	16	20	5	2	0	0	0	0	0	0	47	31	34
09:00	0	0	0	4	15	16	7	1	0	0	0	0	0	0	43	31	36
10:00	0	0	1	3	19	21	7	1	0	0	0	0	0	0	52	31	35
11:00	0	0	0	2	14	19	2	2	1	0	0	0	0	0	40	32	34
12 PM	0	0	0	5	29	11	6	1	0	0	0	0	0	0	52	30	34
13:00	0	0	5	7	30	17	3	1	0	0	0	0	0	0	63	29	33
14:00	0	0	0	1	20	27	5	2	0	0	0	0	0	0	55	32	34
15:00	0	0	0	2	24	31	9	1	0	0	0	0	0	0	67	32	34
16:00	0	0	0	3	38	38	2	2	0	0	0	0	0	0	83	31	33
17:00	0	0	0	7	18	24	5	3	0	0	0	0	0	0	57	31	34
18:00	0	0	0	1	8	28	7	1	0	0	0	0	0	0	45	33	35
19:00	0	0	0	6	19	8	2	0	0	0	0	0	0	0	35	29	32
20:00	0	0	0	1	14	10	1	1	0	0	0	0	0	0	27	31	33
21:00	0	0	0	1	10	6	2	0	0	0	0	0	0	0	19	30	34
22:00	0	0	0	1	11	5	3	0	1	0	0	0	0	0	21	31	36
23:00	0	0	0	1	1	2	3	0	0	0	0	0	0	0	7	33	38
Total	0	2	7	51	316	356	105	26	7	0	0	0	1	0	871		
Percent	0.0%	0.2%	0.8%	5.9%	36.3%	40.9%	12.1%	3.0%	0.8%	0.0%	0.0%	0.0%	0.1%	0.0%			
AM Peak		05:00	06:00	08:00	10:00	07:00	07:00	05:00	04:00				07:00		07:00		
Vol.		1	1	4	19	30	16	3	2				1		66		
PM Peak			13:00	13:00	16:00	16:00	15:00	17:00	22:00						16:00		
Vol.			5	7	38	38	9	3	1						83		
Total	0	2	7	51	316	356	105	26	7	0	0	0	1	0	871		
Percent	0.0%	0.2%	0.8%	5.9%	36.3%	40.9%	12.1%	3.0%	0.8%	0.0%	0.0%	0.0%	0.1%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 30 MPH  
85th Percentile : 35 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 672  
Percent in Pace : 77.2%  
Number of Vehicles > 25 MPH : 811  
Percent of Vehicles > 25 MPH : 93.1%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-071  
Lakeshore Dr btwn Towago Dr & Whipshaw  
Dr 34.611116, -112.295179  
Latitude: 0' 0.0000 Undefined

## Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3	33	37
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
02:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	26	28
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	3	1	0	1	0	0	0	0	0	0	5	32	41
05:00	0	0	0	3	2	0	0	0	0	0	0	0	0	0	5	25	28
06:00	0	0	0	5	9	6	2	0	0	0	0	0	0	0	22	29	33
07:00	0	0	1	10	21	13	3	0	0	0	0	0	0	0	48	29	33
08:00	0	0	2	15	18	7	0	1	0	0	0	0	0	0	43	27	31
09:00	0	0	1	17	29	10	2	0	0	0	0	0	0	0	59	28	31
10:00	0	0	2	22	14	10	2	1	0	0	0	0	0	0	51	27	32
11:00	0	0	4	9	24	4	2	0	0	0	0	0	0	0	43	27	29
12 PM	0	0	0	16	30	5	3	0	0	0	0	0	0	0	54	28	29
13:00	0	1	5	19	20	4	0	0	0	0	0	0	0	0	49	25	29
14:00	0	1	4	7	31	20	2	1	0	0	0	0	0	0	66	29	33
15:00	0	0	0	15	25	22	0	0	0	0	0	0	0	0	62	29	32
16:00	0	0	0	16	44	23	1	1	0	0	0	0	0	0	85	29	32
17:00	0	0	2	14	28	23	5	0	0	0	0	0	0	0	72	29	33
18:00	0	1	0	8	22	16	1	1	0	0	0	0	0	0	49	29	33
19:00	0	0	2	7	17	8	0	0	0	0	0	0	0	0	34	28	31
20:00	0	0	0	13	14	2	0	0	0	0	0	0	0	0	29	26	29
21:00	0	0	3	1	6	6	0	0	0	0	0	0	0	0	16	28	33
22:00	0	0	1	4	6	1	0	0	0	0	0	0	0	0	12	26	29
23:00	0	0	0	2	1	1	0	0	0	0	0	0	0	0	4	27	32
Total	0	3	27	204	366	184	24	6	0	0	0	0	0	0	814		
Percent	0.0%	0.4%	3.3%	25.1%	45.0%	22.6%	2.9%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak			11:00	10:00	09:00	07:00	07:00	04:00							09:00		
Vol.			4	22	29	13	3	1							59		
PM Peak		13:00	13:00	13:00	16:00	16:00	17:00	14:00							16:00		
Vol.		1	5	19	44	23	5	1							85		
Total	0	3	27	204	366	184	24	6	0	0	0	0	0	0	814		
Percent	0.0%	0.4%	3.3%	25.1%	45.0%	22.6%	2.9%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 22 MPH  
50th Percentile : 27 MPH  
85th Percentile : 32 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 570  
Percent in Pace : 70.0%  
Number of Vehicles > 25 MPH : 580  
Percent of Vehicles > 25 MPH : 71.3%  
Mean Speed(Average) : 28 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 3

Site Code: Tues 05/30/23

Station ID: 23-1225-071

Lakeshore Dr btwn Towago Dr & Whipshaw

Dr 34.611116, -112.295179

Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	1	1	2	1	0	0	0	0	0	0	0	5	31	36
01:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	31	33
02:00	0	0	0	1	1	0	1	1	0	0	0	0	0	0	4	33	42
03:00	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3	33	37
04:00	0	0	0	1	4	6	5	2	2	0	0	0	0	0	20	35	42
05:00	0	1	0	3	7	9	4	3	2	0	0	0	0	0	29	33	41
06:00	0	0	1	5	15	33	11	2	0	0	0	0	0	0	67	32	36
07:00	0	1	1	10	37	43	19	1	1	0	0	0	1	0	114	32	36
08:00	0	0	2	19	34	27	5	3	0	0	0	0	0	0	90	29	33
09:00	0	0	1	21	44	26	9	1	0	0	0	0	0	0	102	29	33
10:00	0	0	3	25	33	31	9	2	0	0	0	0	0	0	103	29	34
11:00	0	0	4	11	38	23	4	2	1	0	0	0	0	0	83	29	33
12 PM	0	0	0	21	59	16	9	1	0	0	0	0	0	0	106	29	33
13:00	0	1	10	26	50	21	3	1	0	0	0	0	0	0	112	27	31
14:00	0	1	4	8	51	47	7	3	0	0	0	0	0	0	121	30	34
15:00	0	0	0	17	49	53	9	1	0	0	0	0	0	0	129	30	34
16:00	0	0	0	19	82	61	3	3	0	0	0	0	0	0	168	30	33
17:00	0	0	2	21	46	47	10	3	0	0	0	0	0	0	129	30	34
18:00	0	1	0	9	30	44	8	2	0	0	0	0	0	0	94	31	34
19:00	0	0	2	13	36	16	2	0	0	0	0	0	0	0	69	28	32
20:00	0	0	0	14	28	12	1	1	0	0	0	0	0	0	56	28	32
21:00	0	0	3	2	16	12	2	0	0	0	0	0	0	0	35	29	33
22:00	0	0	1	5	17	6	3	0	1	0	0	0	0	0	33	29	34
23:00	0	0	0	3	2	3	3	0	0	0	0	0	0	0	11	31	37
Total	0	5	34	255	682	540	129	32	7	0	0	0	1	0	1685		
Percent	0.0%	0.3%	2.0%	15.1%	40.5%	32.0%	7.7%	1.9%	0.4%	0.0%	0.0%	0.0%	0.1%	0.0%			
AM Peak		05:00	11:00	10:00	09:00	07:00	07:00	05:00	04:00				07:00		07:00		
Vol.		1	4	25	44	43	19	3	2				1		114		
PM Peak		13:00	13:00	13:00	16:00	16:00	17:00	14:00	22:00						16:00		
Vol.		1	10	26	82	61	10	3	1						168		
Total	0	5	34	255	682	540	129	32	7	0	0	0	1	0	1685		
Percent	0.0%	0.3%	2.0%	15.1%	40.5%	32.0%	7.7%	1.9%	0.4%	0.0%	0.0%	0.0%	0.1%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 29 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1222  
Percent in Pace : 72.5%  
Number of Vehicles > 25 MPH : 1391  
Percent of Vehicles > 25 MPH : 82.6%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/15/22  
Station ID: 22-1620-030  
Lakeshore Dr east of Navajo Dr  
34.604952, -112.306479  
Latitude: 0' 0.0000 Undefined

## Eastbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
12/15/22	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	28	29
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
02:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	31	33
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
04:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4	31	33
05:00	0	0	0	0	3	2	2	1	0	0	0	0	0	0	8	34	39
06:00	0	0	0	2	4	11	1	0	0	0	0	0	0	0	18	31	34
07:00	0	0	0	12	12	14	1	0	0	0	0	0	0	0	39	29	33
08:00	0	0	0	4	17	17	2	0	0	0	0	0	0	0	40	30	33
09:00	0	0	0	5	18	10	1	0	0	0	0	0	0	0	34	29	32
10:00	0	0	0	4	21	25	3	0	0	0	0	0	0	0	53	31	34
11:00	0	0	0	7	20	19	2	4	0	0	0	0	0	0	52	31	34
12 PM	1	1	1	5	24	26	6	0	0	0	0	0	0	0	64	30	34
13:00	0	1	1	6	30	21	4	1	0	0	0	0	0	0	64	30	33
14:00	0	0	2	3	27	26	8	0	0	0	0	0	0	0	66	31	34
15:00	0	1	0	8	51	30	7	0	0	0	0	0	0	0	97	30	33
16:00	0	1	2	5	40	38	3	0	1	0	0	0	0	0	90	30	33
17:00	0	0	0	3	33	53	8	1	0	0	0	1	0	0	99	32	34
18:00	0	1	2	5	20	20	3	0	0	0	0	0	0	0	51	29	33
19:00	0	0	0	9	27	12	5	1	0	0	0	0	0	0	54	29	34
20:00	0	0	1	6	19	13	1	0	0	0	0	0	0	0	40	29	33
21:00	0	0	0	1	6	12	1	1	0	0	0	0	0	0	21	32	34
22:00	0	0	0	0	6	4	0	0	0	0	0	0	0	0	10	30	33
23:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4	31	33
Total	1	5	9	85	386	358	59	9	1	0	0	1	0	0	914		
Percent	0.1%	0.5%	1.0%	9.3%	42.2%	39.2%	6.5%	1.0%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%			
AM Peak				07:00	10:00	10:00	10:00	11:00							10:00		
Vol.				12	21	25	3	4							53		
PM Peak	12:00	12:00	14:00	19:00	15:00	17:00	14:00	13:00	16:00			17:00			17:00		
Vol.	1	1	2	9	51	53	8	1	1			1			99		
Total	1	5	9	85	386	358	59	9	1	0	0	1	0	0	914		
Percent	0.1%	0.5%	1.0%	9.3%	42.2%	39.2%	6.5%	1.0%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 34 MPH  
95th Percentile : 37 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 744  
Percent in Pace : 81.4%  
Number of Vehicles > 25 MPH : 814  
Percent of Vehicles > 25 MPH : 89.1%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/15/22  
Station ID: 22-1620-030  
Lakeshore Dr east of Navajo Dr  
34.604952, -112.306479  
Latitude: 0' 0.0000 Undefined

## Westbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/15/22	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3	28	29
01:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	26	28
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	2	2	0	0	0	0	0	0	0	0	0	4	26	28
04:00	0	0	1	1	2	1	0	0	0	0	0	0	0	0	5	26	31
05:00	0	0	2	2	6	1	0	0	0	0	0	0	0	0	11	26	29
06:00	0	0	1	3	19	5	0	0	0	0	0	0	0	0	28	28	30
07:00	2	2	1	31	49	6	1	0	0	0	0	0	0	0	92	26	29
08:00	0	1	0	9	42	11	0	0	0	0	0	0	0	0	63	28	30
09:00	0	1	2	7	12	9	2	0	0	0	0	0	0	0	33	28	33
10:00	0	0	0	6	43	10	0	0	0	0	0	0	0	0	59	28	30
11:00	0	0	2	5	22	13	1	0	0	0	0	0	0	0	43	29	32
12 PM	0	2	0	4	26	13	3	0	0	0	0	0	0	0	48	29	33
13:00	0	0	1	10	33	9	2	0	0	0	0	0	0	0	55	28	31
14:00	0	0	1	3	25	9	3	0	0	0	0	0	0	0	41	29	33
15:00	0	0	0	11	31	9	2	0	0	0	0	0	0	0	53	28	31
16:00	0	0	2	7	43	11	1	0	0	0	0	0	0	0	64	28	31
17:00	0	0	0	13	45	7	2	0	0	0	0	0	0	0	67	28	29
18:00	0	0	4	11	30	4	0	0	0	0	0	0	0	0	49	26	29
19:00	0	0	0	8	14	5	0	0	0	0	0	0	0	0	27	27	30
20:00	0	0	0	5	10	3	0	0	0	0	0	0	0	0	18	27	30
21:00	0	0	1	3	9	2	1	0	0	0	0	0	0	0	16	28	31
22:00	0	0	0	1	3	1	1	0	0	0	0	0	0	0	6	30	35
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
Total	2	6	18	144	470	129	19	0	0	0	0	0	0	0	788		
Percent	0.3%	0.8%	2.3%	18.3%	59.6%	16.4%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	07:00	05:00	07:00	07:00	11:00	09:00								07:00		
Vol.	2	2	2	31	49	13	2								92		
PM Peak		12:00	18:00	17:00	17:00	12:00	12:00								17:00		
Vol.		2	4	13	45	13	3								67		
Total	2	6	18	144	470	129	19	0	0	0	0	0	0	0	788		
Percent	0.3%	0.8%	2.3%	18.3%	59.6%	16.4%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 23 MPH  
50th Percentile : 27 MPH  
85th Percentile : 31 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 614  
Percent in Pace : 77.9%  
Number of Vehicles > 25 MPH : 618  
Percent of Vehicles > 25 MPH : 78.4%  
Mean Speed(Average) : 28 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/15/22  
Station ID: 22-1620-030  
Lakeshore Dr east of Navajo Dr  
34.604952, -112.306479  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
12/15/22	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5	28	29
01:00	0	0	0	1	1	0	1	0	0	0	0	0	0	0	3	30	37
02:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	31	33
03:00	0	0	0	2	3	0	0	0	0	0	0	0	0	0	5	26	28
04:00	0	0	1	1	4	3	0	0	0	0	0	0	0	0	9	28	32
05:00	0	0	2	2	9	3	2	1	0	0	0	0	0	0	19	29	35
06:00	0	0	1	5	23	16	1	0	0	0	0	0	0	0	46	29	33
07:00	2	2	1	43	61	20	2	0	0	0	0	0	0	0	131	27	30
08:00	0	1	0	13	59	28	2	0	0	0	0	0	0	0	103	29	32
09:00	0	1	2	12	30	19	3	0	0	0	0	0	0	0	67	28	33
10:00	0	0	0	10	64	35	3	0	0	0	0	0	0	0	112	29	33
11:00	0	0	2	12	42	32	3	4	0	0	0	0	0	0	95	30	33
12 PM	1	3	1	9	50	39	9	0	0	0	0	0	0	0	112	29	34
13:00	0	1	2	16	63	30	6	1	0	0	0	0	0	0	119	29	33
14:00	0	0	3	6	52	35	11	0	0	0	0	0	0	0	107	30	34
15:00	0	1	0	19	82	39	9	0	0	0	0	0	0	0	150	29	33
16:00	0	1	4	12	83	49	4	0	1	0	0	0	0	0	154	29	33
17:00	0	0	0	16	78	60	10	1	0	0	0	1	0	0	166	30	33
18:00	0	1	6	16	50	24	3	0	0	0	0	0	0	0	100	28	32
19:00	0	0	0	17	41	17	5	1	0	0	0	0	0	0	81	29	33
20:00	0	0	1	11	29	16	1	0	0	0	0	0	0	0	58	28	32
21:00	0	0	1	4	15	14	2	1	0	0	0	0	0	0	37	30	34
22:00	0	0	0	1	9	5	1	0	0	0	0	0	0	0	16	30	33
23:00	0	0	0	1	2	2	0	0	0	0	0	0	0	0	5	29	33
Total	3	11	27	229	856	487	78	9	1	0	0	1	0	0	1702		
Percent	0.2%	0.6%	1.6%	13.5%	50.3%	28.6%	4.6%	0.5%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%			
AM Peak	07:00	07:00	05:00	07:00	10:00	10:00	09:00	11:00							07:00		
Vol.	2	2	2	43	64	35	3	4							131		
PM Peak	12:00	12:00	18:00	15:00	16:00	17:00	14:00	13:00	16:00			17:00			17:00		
Vol.	1	3	6	19	83	60	11	1	1			1			166		
Total	3	11	27	229	856	487	78	9	1	0	0	1	0	0	1702		
Percent	0.2%	0.6%	1.6%	13.5%	50.3%	28.6%	4.6%	0.5%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 35 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1343  
Percent in Pace : 78.9%  
Number of Vehicles > 25 MPH : 1432  
Percent of Vehicles > 25 MPH : 84.1%  
Mean Speed(Average) : 29 MPH

## Crash Summary

### Segment 1: Glassford Hill Road to Victor Road

Data Period: 2019 - 2021

Total Crashes: 55

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3586693	11/7/2019	5:30 PM	2019	Windsong Drive	Lakeshore Drive	0	No Injury	Left Turn	Dusk	2	0	0	
2	3601271	12/13/2019	8:10 AM	2019	Windsong Drive	Lakeshore Drive	0	Serious Injury	Angle	Daylight	2	1	0	
3	3557319	8/13/2019	3:30 PM	2019	Lakeshore Drive	Windsong Drive	0	Possible Injury	Left Turn	Daylight	2	2	0	
4	3484987	1/27/2019	6:15 PM	2019	Lakeshore Drive	Windsong Drive	0	Possible Injury	Angle	Dusk	2	1	0	
5	3558748	9/16/2019	6:55 AM	2019	Lakeshore Drive	Windsong Drive	0	Possible Injury	Angle	Daylight	2	1	0	
6	3506279	3/25/2019	12:45 PM	2019	Civic Circle	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	
7	3584662	11/14/2019	7:29 AM	2019	Civic Circle	Lakeshore Drive	0	Possible Injury	Angle	Daylight	2	1	0	
8	3603747	12/22/2019	4:55 PM	2019	Lakeshore Drive	Lake Valley Road	0	No Injury	Left Turn	Daylight	2	0	0	
9	3485135	2/11/2019	8:02 AM	2019	Civic Circle	Lakeshore Drive	2	No Injury	Left Turn	Dawn	2	0	0	Yes
10	3474435	1/12/2019	11:44 AM	2019	Civic Circle	Lakeshore Drive	0	No Injury	Angle	Daylight	2	0	0	
11	3522557	5/17/2019	7:46 PM	2019	Main Street	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	
12	3522558	5/17/2019	12:43 PM	2019	Lakeshore Drive	Main Street	0	Minor Injury	Angle	Daylight	2	2	0	
13	3522560	5/20/2019	11:37 AM	2019	Lakeshore Drive	Glassford Hill Road	147	No Injury	Rear-end	Daylight	2	0	0	Yes
14	3531285	5/9/2019	9:44 PM	2019	Glassford Hill Road	Lakeshore Drive	15	Possible Injury	U-turn	Dark Lighted	2	1	0	
15	3543064	6/22/2019	1:48 PM	2019	Glassford Hill Road	Lakeshore Drive	0	No Injury	Single Vehicle	Daylight	1	0	0	
16	3543066	6/24/2019	9:08 AM	2019	Glassford Hill Road	Lakeshore Drive	0	No Injury	Single Vehicle	Daylight	1	0	0	
17	3558753	9/6/2019	1:31 PM	2019	Glassford Hill Road	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	
18	3510554	4/17/2019	6:33 PM	2019	Lakeshore Drive	Glassford Hill Road	0	No Injury	Rear-end	Daylight	2	0	0	Yes
19	3544404	8/6/2019	10:24 AM	2019	Lakeshore Drive	Glassford Hill Road	0	No Injury	Angle	Daylight	2	0	0	
20	3557322	8/6/2019	10:24 AM	2019	Lakeshore Drive	Glassford Hill Road	0	No Injury	Angle	Daylight	2	0	0	
21	3547021	7/18/2019	9:40 AM	2019	Glassford Hill Road	Lakeshore Drive	0	Serious Injury	Left Turn	Daylight	2	1	0	
22	3558757	9/18/2019	5:03 PM	2019	Glassford Hill Road	Lakeshore Drive	25	No Injury	Sideswipe	Daylight	2	0	0	
23	3671961	8/10/2020	1:22 PM	2020	Lake Valley Road	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	
24	3633348	2/28/2020	2:38 PM	2020	Lakeshore Drive	Main Street	0	No Injury	Angle	Daylight	2	0	0	
25	3675945	3/6/2020	6:03 PM	2020	Lakeshore Drive	Glassford Hill Road	500	No Injury	Single Vehicle	Dusk	1	0	0	
26	3661082	7/4/2020	5:30 AM	2020	Lakeshore Drive	Glassford Hill Road	150	No Injury	Single Vehicle	Dawn	1	0	0	
27	3680291	9/6/2020	2:19 PM	2020	Lakeshore Drive	Glassford Hill Road	50	No Injury	Sideswipe	Daylight	2	0	0	
28	3697714	10/23/2020	1:13 PM	2020	Lakeshore Drive	Glassford Hill Road	50	No Injury	Rear-end	Daylight	2	0	0	Yes
29	3699522	11/3/2020	6:36 AM	2020	Lakeshore Drive	Glassford Hill Road	47	Possible Injury	Rear-end	Dark Lighted	2	1	0	
30	3678017	8/26/2020	3:30 PM	2020	Glassford Hill Road	Lakeshore Drive	20	No Injury	Rear-end	Daylight	2	0	0	Yes

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
31	3639022	3/28/2020	12:13 PM	2020	Glassford Hill Road	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	Yes
32	3702938	10/29/2020	1:30 PM	2020	Glassford Hill Road	Lakeshore Drive	0	Possible Injury	Left Turn	Daylight	2	1	0	
33	3619037	2/7/2020	5:09 PM	2020	Lakeshore Drive	Glassford Hill Road	0	Possible Injury	Angle	Dusk	2	1	0	
34	3751253	3/20/2021	5:13 PM	2021	Civic Circle	Lakeshore Drive	10	Possible Injury	Angle	Daylight	2	1	0	
35	3806837	8/15/2021	7:36 PM	2021	Civic Circle	Lakeshore Drive	0	Minor Injury	Left Turn	Dark Lighted	2	1	0	
36	3788550	7/10/2021	1:07 PM	2021	Lakeshore Drive	Lake Valley Road	15	No Injury	Angle	Daylight	2	0	0	
37	3789306	7/14/2021	4:37 PM	2021	Lakeshore Drive	Lake Valley Road	0	No Injury	Angle	Daylight	2	0	0	
38	3734614	2/19/2021	1:20 PM	2021	Lake Valley Road	Lakeshore Drive	10	No Injury	Rear-end	Daylight	2	0	0	Yes
39	3758565	4/27/2021	2:43 PM	2021	Lakeshore Drive	Main Street	0	Minor Injury	Angle	Daylight	2	2	0	
40	3773450	6/1/2021	7:59 PM	2021	Lakeshore Drive	Glassford Hill Road	40	Minor Injury	Rear-end	Dark Not Lighted	2	1	0	Yes
41	3853636	12/31/2021	6:15 PM	2021	Lakeshore Drive	Glassford Hill Road	15	No Injury	Sideswipe	Dark Lighted	2	0	0	
42	3736574	2/3/2021	3:54 PM	2021	Glassford Hill Road	Lakeshore Drive	50	No Injury	Rear-end	Daylight	2	0	0	Yes
43	3788549	7/9/2021	4:43 PM	2021	Glassford Hill Road	Lakeshore Drive	25	No Injury	Sideswipe	Daylight	2	0	0	
44	3722806	1/15/2021	12:45 PM	2021	Glassford Hill Road	Lakeshore Drive	0	No Injury	Angle	Daylight	2	0	0	
45	3726119	1/25/2021	2:00 PM	2021	Glassford Hill Road	Lakeshore Drive	0	No Injury	Rear-end	Daylight	2	0	0	Yes
46	3799205	8/9/2021	10:34 AM	2021	Glassford Hill Road	Lakeshore Drive	0	Possible Injury	Left Turn	Daylight	2	1	0	
47	3849436	12/27/2021	10:27 AM	2021	Glassford Hill Road	Lakeshore Drive	0	No Injury	Other	Daylight	2	0	0	
48	3736571	2/26/2021	8:20 AM	2021	Glassford Hill Road	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	
49	3737892	3/1/2021	2:30 PM	2021	Glassford Hill Road	Lakeshore Drive	0	Possible Injury	Left Turn	Daylight	2	3	0	
50	3790683	7/15/2021	4:11 PM	2021	Glassford Hill Road	Lakeshore Drive	0	Minor Injury	Left Turn	Daylight	2	1	0	
51	3831147	11/4/2021	7:39 AM	2021	Glassford Hill Road	Lakeshore Drive	0	Possible Injury	Left Turn	Daylight	2	1	0	
52	3837213	11/10/2021	8:04 PM	2021	Glassford Hill Road	Lakeshore Drive	0	No Injury	Head-on	Dark Lighted	2	0	0	
53	3849844	12/24/2021	8:41 AM	2021	Lakeshore Drive	Glassford Hill Road	0	No Injury	Angle	Daylight	2	0	0	
54	3853634	12/31/2021	6:57 PM	2021	Glassford Hill Road	Lakeshore Drive	0	Possible Injury	Left Turn	Dark Lighted	2	1	0	
55	3853872	12/31/2021	8:40 AM	2021	Glassford Hill Road	Lakeshore Drive	0	No Injury	Angle	Daylight	2	0	0	

## Segment 2: Victor Road to Warren Road

Data Period: 2019 - 2021

Total Crashes: 30

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3531267	5/28/2019	7:34 AM	2019	Lakeshore Drive	Tani Road	0	No Injury	Head-on	Daylight	2	0	0	
2	3601254	12/7/2019	5:19 PM	2019	Lakeshore Drive	Tani Road	0	No Injury	Rear-end	Dusk	3	0	0	Yes
3	3565265	9/18/2019	6:10 PM	2019	Lakeshore Drive	Tani Road	-50	Possible Injury	Angle	Daylight	2	2	0	Yes
4	3474371	1/2/2019	9:21 AM	2019	Lakeshore Drive	Robert Road	200	No Injury	Sideswipe	Daylight	2	0	0	
5	3565249	9/6/2019	3:41 PM	2019	Robert Road	Lakeshore Drive	50	No Injury	Sideswipe	Daylight	2	0	0	
6	3601264	12/8/2019	6:18 AM	2019	Robert Road	Lakeshore Drive	0	No Injury	Head-on	Dark Lighted	2	0	0	
7	3608682	11/4/2019	6:27 PM	2019	Lakeshore Drive	Debbie Drive	100	No Injury	Rear-end	Dark Lighted	2	0	0	Yes
8	3543063	6/27/2019	12:31 PM	2019	Lakeshore Drive	Debbie Drive	65	Minor Injury	Rear-end	Daylight	2	3	0	Yes
9	3595787	11/29/2019	1:49 PM	2019	Lakeshore Drive	Windsong Drive	0	No Injury	Left Turn	Daylight	2	0	0	
10	3608674	11/2/2019	7:15 PM	2019	Lakeshore Drive	Windsong Drive	0	No Injury	Angle	Dark Lighted	2	0	0	
11	3666535	7/21/2020	12:25 PM	2020	Lakeshore Drive	Tani Road	25	Minor Injury	Single Vehicle	Daylight	1	1	0	
12	3625987	2/22/2020	4:56 PM	2020	Robert Road	Lakeshore Drive	3	No Injury	Rear-end	Daylight	2	0	0	Yes
13	3610173	1/10/2020	6:20 PM	2020	Robert Road	Lakeshore Drive	0	No Injury	Left Turn	Dark Lighted	2	0	0	
14	3649848	5/23/2020	8:33 PM	2020	Robert Road	Lakeshore Drive	0	No Injury	Angle	Dark Lighted	2	0	0	
15	3657845	6/20/2020	10:17 AM	2020	Robert Road	Lakeshore Drive	0	No Injury	Angle	Daylight	2	0	0	
16	3675690	8/20/2020	3:51 PM	2020	Robert Road	Lakeshore Drive	0	Minor Injury	Left Turn	Daylight	2	3	0	
17	3686936	9/28/2020	7:28 AM	2020	Robert Road	Lakeshore Drive	0	Minor Injury	Angle	Daylight	2	1	0	
18	3692460	10/11/2020	9:54 AM	2020	Robert Road	Lakeshore Drive	0	Minor Injury	Left Turn	Daylight	2	1	0	
19	3710787	12/6/2020	12:18 PM	2020	Robert Road	Lakeshore Drive	0	Possible Injury	Left Turn	Daylight	2	1	0	
20	3715278	12/14/2020	7:28 PM	2020	Lakeshore Drive	Victor Road	0	Possible Injury	Angle	Dark Not Lighted	2	3	0	
21	3686937	9/28/2020	7:48 AM	2020	Windsong Drive	Lakeshore Drive	47	No Injury	Rear-end	Daylight	2	0	0	Yes
22	3631018	3/8/2020	1:05 PM	2020	Lakeshore Drive	Windsong Drive	0	No Injury	Head-on	Daylight	2	0	0	
23	3725653	1/23/2021	8:38 AM	2021	Lakeshore Drive	Tani Road	-90	No Injury	Single Vehicle	Daylight	1	0	0	
24	3751254	3/23/2021	8:45 PM	2021	Robert Road	Lakeshore Drive	5	No Injury	Angle	Dark Lighted	2	0	0	
25	3762853	5/1/2021	12:09 PM	2021	Robert Road	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	
26	3815325	9/21/2021	7:21 AM	2021	Robert Road	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	
27	3824300	10/12/2021	2:52 PM	2021	Robert Road	Lakeshore Drive	20	No Injury	Sideswipe	Daylight	2	0	0	
28	3830041	10/30/2021	10:09 PM	2021	Lakeshore Drive	Debbie Drive	300	No Injury	Rear-end	Dark Lighted	3	0	0	Yes
29	3743227	3/4/2021	7:09 AM	2021	Lakeshore Drive	Windsong Drive	0	No Injury	Angle	Daylight	2	0	0	
30	3790677	7/7/2021	11:49 AM	2021	Lakeshore Drive	Windsong Drive	0	No Injury	Left Turn	Daylight	2	0	0	

**Segment 3: Warren Road to Navajo Drive**

Data Period: 2019 - 2021

Total Crashes: 3

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3589559	11/8/2019	11:08 AM	2019	Navajo Drive	Lakeshore Drive	0	Minor Injury	Angle	Daylight	2	1	0	
2	3712850	12/10/2020	1:21 PM	2020	Lakeshore Drive	Navajo Drive	0	No Injury	Left Turn	Daylight	2	0	0	
3	3796860	8/2/2021	12:34 PM	2021	Lakeshore Drive	Navajo Drive	-640	Minor Injury	Other	Daylight	2	1	0	Yes

**Segment 4: Navajo Drive to Town Limits**

Data Period: 2019 - 2021

Total Crashes: 5

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3543052	7/5/2019	12:09 AM	2019	Lakeshore Drive	Navajo Drive	565	Minor Injury	Single Vehicle	Dark Not Lighted	1	1	0	
2	3558750	8/21/2019	7:16 PM	2019	Lakeshore Drive	Moccasin Circle	40	Fatal	Rear-end	Dark Not Lighted	2	0	1	Yes
3	3824309	9/14/2021	11:29 AM	2021	Navajo Drive	Lakeshore Drive	0	No Injury	Sideswipe	Daylight	2	0	0	
4	3730780	2/6/2021	6:34 PM	2021	Lakeshore Drive	Whipsaw Lane	50	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	
5	3734613	2/21/2021	8:30 PM	2021	Lakeshore Drive	Towago Drive	678	No Injury	Angle	Dark Not Lighted	2	0	0	Yes



# SPEED LIMIT STUDY

Prescott Valley, Arizona

February 2024



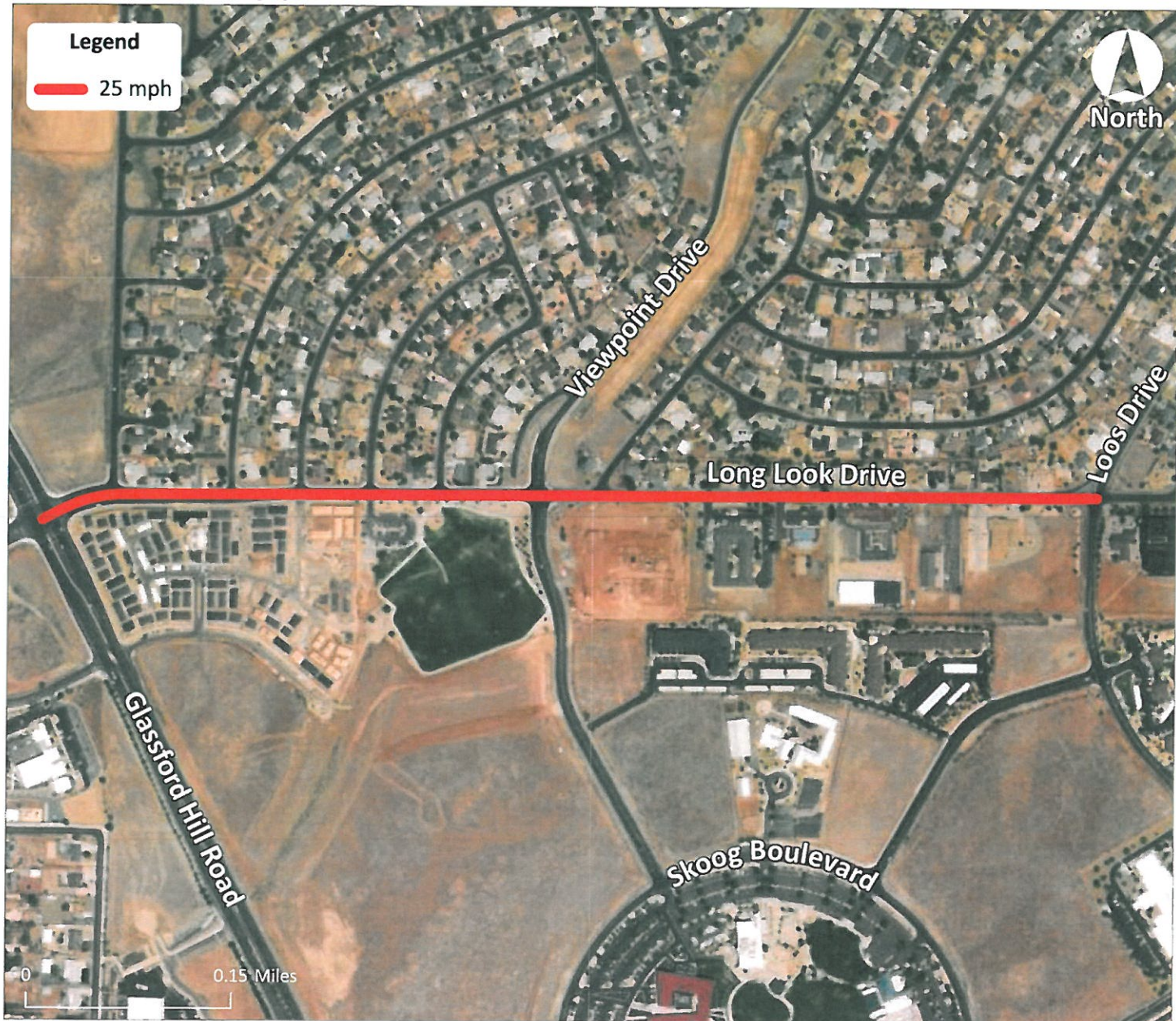
**Segment Studied:** Long Look Drive

**From:** Loos Drive

**To:** Glassford Hill Road

**Length:** 0.8 miles

## Study Area Map - Existing Speed Limits



### Introduction:

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

Long Look Drive has been divided into the following two segments to reflect different conditions along portions of the corridor:

- Segment 1: Loos Drive to Viewpoint Drive
- Segment 2: Viewpoint Drive to Glassford Hill Road

### Segment 1: Loos Drive to Viewpoint Drive

#### Roadway Characteristics:

- Functional Classification: collector
- Existing Speed Limit: 25 mph
- One lane in each direction separated by a double-yellow centerline
- Pavement width varies from about 22 to 40 feet
- Moderate vertical curvature near Viewpoint Drive
- Curb, gutter, and sidewalk on the south side of the roadway near Viewpoint Drive
- No street lighting or bike lanes

#### Data Collection:

Traffic counts with speed data were recorded for a 24-hour period on Tuesday, May 30, 2023, a day when schools were not in session, at the following location:

- Long Look Drive, about 820 feet west of Windsong Drive

#### Speed and Traffic Volume:

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>820 feet west of Windsong Drive</i></b>			
Eastbound	31 mph	34 mph	1,504
Westbound	29 mph	32 mph	1,607
Both Directions	30 mph	33 mph	3,111

- The average speed is 30 mph, slightly above the existing 25-mph speed limit.
- The 85th-percentile speed is about 33 mph.



**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	2	0	0	2	1
2020	4	0	0	4	1
2021	5	3	0	8	1
<b>Total</b>	<b>11</b>	<b>3</b>	<b>0</b>	<b>14</b>	<b>3</b>

- The crash data includes a period before the intersection of Long Look and Viewpoint Drives was converted to all-way stop control. It is expected that all-way stop will reduce the crash rate along the corridor when compared to historical trends.
- 14 crashes were reported, an average of about 4.7 crashes per year.
- One minor injury crash and 2 possible injury crashes were reported.
- 3 of the 14 crashes were reported as speed-related crashes.
- The crash rate along the corridor is 1,027 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 220 per 100 MVM.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM. The critical crash rate for similar roadways is 483 per 100 MVM, and the critical injury rate for similar roadways is 218 per 100 MVM.
- The crash rate along the corridor is a factor of 4.4 times higher than the average rate on similar roadways. The injury rate along the corridor is a factor of 3.3 times higher than the average injury rate on similar roadways. The corridor's crash rate is about twice as high as the critical rate, and the corridor's injury rate is nearly identical to the critical injury rate.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R2 – Residential (Multiple Dwelling Units), RCU – Residential (Conditional Use Permits), and RS – Residential & Services.
- Single-family homes front the street on the north side.
- Churches, senior living facility services, and Acorn Montessori Preschool are located along the roadway.

**Speed Limit Recommendation:**

Retain the existing 25-mph speed limit, for the following reasons:

- The narrow pavement width and front-facing homes clearly indicate a need for a speed limit no greater than 25 mph.

## Speed Limit Study

- Pedestrians walking along the street have no sidewalk and must walk in the travel lane with motor vehicles; this condition is not conducive for speeds higher than 25 mph.
- Existing average travel speeds are slightly above the existing speed limit, but many drivers' travel speeds are consistent with the existing speed limit.
- Crash and injury rates are both considerably higher than average for typical roadways, an indication that the speed limit should not be increased.

### Recommended Action Items:

- On southbound Loos Drive approaching Long Look Drive, the town may want to consider installing a guide sign approaching the channelized right-turn movement. Unfamiliar motorists may not be aware that the right-turn movement turns into Long Look Drive while the through movement turns into Windsong Drive.
- At the intersection of Long Look Drive and Loos Drive, and Windsong Drive, the town should consider refreshing the westbound stop line pavement marking. This stop line has been marked in the past, according to historical aerial photos, but it is no longer visible, as shown below. Because of the high volume of through conflicting traffic and the curvature in Loos Drive, a stop line is recommended.



## Segment 2: Viewpoint Drive to Glassford Hill Road

### Roadway Characteristics:

- Functional Classification: collector
- Existing Speed Limit: 25 mph
- One lane in each direction separated by a two-way left-turn lane
- The roadway widens near Glassford Hill Road from one lane to two lanes in each direction
- Pavement width varies from about 47 to 85 feet to accommodate left- and right-turn lanes
- Moderate vertical curvature near Viewpoint Drive
- Curb, gutter, and sidewalk on both sides of the roadway
- Shoulders suitable for bicycling on both sides of the roadway
- No street lighting

### Data Collection:

Traffic counts with speed data were recorded for a 24-hour period on Tuesday, May 30, 2023, a day when schools were not in session, at the following location:

- Long Look Drive, about 400 feet west of Fiesta Way

### Speed and Traffic Volume:

Speed and traffic volume are summarized in **Table 3**. Complete results are attached.

**Table 3: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>400 feet west of Fiesta Way</i></b>			
Eastbound	30 mph	34 mph	505
Westbound	30 mph	33 mph	2,363
Both Directions	30 mph	33 mph	2,868

- The average speed is about 30 mph, slightly above the existing 25-mph speed limit.
- The 85th-percentile speed is about 33 mph.

**Crash Analysis:**

A summary of crashes is shown in **Table 4**. Complete crash data is attached.

**Table 4: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	3	4	0	7	3
2020	4	1	0	5	1
2021	12	2	0	14	1
<b>Total</b>	<b>19</b>	<b>7</b>	<b>0</b>	<b>26</b>	<b>5</b>

- The crash data includes a period before the intersection of Long Look and Viewpoint Drives was converted to all-way stop control. It is expected that all-way stop will reduce the crash rate along the corridor when compared to historical trends.
- 26 crashes were reported, an average of about 8.7 crashes per year.
- Of the 26 crashes, 7 possible injury crashes were reported.
- 2 of the possible injury crashes were reported as speed-related crashes.
- The crash rate along the corridor is 1,986 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 535 per 100 MVM. However, it should be noted that 8 of the 26 crashes along the corridor occurred at Glassford Hill Road, which inflates the crash and injury rates.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM. The critical crash rate for similar roadways is 483 per 100 MVM, and the critical injury rate for similar roadways is 218 per 100 MVM.
- The crash rate along the corridor is a factor of 8.5 times higher than the average rate on similar roadways. The injury rate along the corridor is a factor of 8.1 times higher than the average injury rate on similar roadways. The corridor's crash rate is about four times as high as the critical rate, and the corridor's injury rate is about twice as high as the critical injury rate.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R2 – Residential (Multiple Dwelling Units), RCU – Residential (Conditional Use Permits), and RS – Residential & Services.
- A few single-family homes front the street between Glassford Hill Road and Kachina Way.
- Bob Edwards Park and adult living facility services are located along the roadway.

**Speed Limit Recommendation:**

Retain the existing 25-mph speed limit, for the following reasons:

- The cross-section and pavement width are much wider than the eastern segment of Long Look Drive. Coupled with the existing average speed of 30 mph, an increase in speed limit to 30 mph might be justifiable.

## Speed Limit Study

- However, this segment includes several front-facing homes, and some of the side-facing homes have driveways directly onto the street. The presence of residential driveways indicates a preference for a 25-mph speed limit.
- The park on the southwest corner of Viewpoint Drive and Long Look Drive is a pedestrian generator; pedestrian and bicyclist activity is likely along the corridor.
- Crash rates are considerably higher than average, indicating that the existing speed limit should not be increased.

### **Recommended Action Items:**

- None.

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23

Station ID: 23-1225-081

Long Look Dr btwn Verde Vista Dr & Loos

Dr 34.600637, -112.332123

Latitude: 0' 0.0000 Undefined

## Eastbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	1	1	3	2	1	1	0	0	0	0	0	0	0	9	25	33
01:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	23	28
02:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	36	38
03:00	0	0	1	0	1	0	0	1	0	0	0	0	0	0	3	30	42
04:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4	31	33
05:00	0	0	0	5	8	11	2	2	0	0	0	0	0	0	28	31	34
06:00	0	0	0	2	20	26	8	0	0	0	0	0	0	0	56	32	34
07:00	0	1	0	13	67	41	9	0	1	0	0	0	0	0	132	30	33
08:00	0	0	0	10	49	44	5	0	0	0	0	0	0	0	108	30	33
09:00	0	0	0	14	73	38	10	1	0	0	1	0	0	0	137	30	33
10:00	0	0	3	18	43	38	11	2	0	0	0	0	0	0	115	30	34
11:00	0	0	0	16	41	35	6	1	1	0	0	0	0	0	100	30	33
12 PM	0	0	0	7	47	54	6	0	0	0	0	0	0	0	114	31	33
13:00	0	0	1	5	44	38	11	3	0	0	0	0	0	0	102	31	34
14:00	0	0	1	4	38	35	6	0	0	0	0	0	0	0	84	30	34
15:00	0	0	0	5	37	46	11	4	0	0	0	0	0	0	103	32	34
16:00	0	0	3	3	28	40	12	1	0	0	0	0	0	0	87	31	34
17:00	0	0	0	3	34	56	19	1	0	0	0	0	0	0	113	32	35
18:00	0	0	0	2	23	42	10	0	0	0	0	0	0	0	77	32	34
19:00	0	0	1	5	22	21	4	0	0	0	0	0	0	0	53	30	34
20:00	0	0	1	6	15	14	2	0	0	0	0	0	0	0	38	29	33
21:00	0	0	0	4	12	5	0	0	1	0	0	0	0	0	22	29	32
22:00	0	0	0	1	6	6	0	0	0	0	0	0	0	0	13	30	33
23:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2	33	38
Total	0	2	13	126	614	594	135	16	3	0	1	0	0	0	1504		
Percent	0.0%	0.1%	0.9%	8.4%	40.8%	39.5%	9.0%	1.1%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%			
AM Peak		00:00	10:00	10:00	09:00	08:00	10:00	05:00	07:00		09:00				09:00		
Vol.		1	3	18	73	44	11	2	1		1				137		
PM Peak			16:00	12:00	12:00	17:00	17:00	15:00	21:00						12:00		
Vol.			3	7	47	56	19	4	1						114		
Total	0	2	13	126	614	594	135	16	3	0	1	0	0	0	1504		
Percent	0.0%	0.1%	0.9%	8.4%	40.8%	39.5%	9.0%	1.1%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 34 MPH  
95th Percentile : 37 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1208  
Percent in Pace : 80.3%  
Number of Vehicles > 25 MPH : 1363  
Percent of Vehicles > 25 MPH : 90.6%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 2

Site Code: Tues 05/30/23  
Station ID: 23-1225-081  
Long Look Dr btwn Verde Vista Dr & Loos  
Dr 34.600637, -112.332123  
Latitude: 0' 0.0000 Undefined

## Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	2	4	1	1	1	0	0	0	0	0	0	9	30	38
01:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	23	28
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
03:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	31	33
04:00	0	0	0	2	4	0	0	0	2	0	0	0	0	0	8	32	47
05:00	0	0	0	4	9	5	2	0	0	0	0	0	0	0	20	29	33
06:00	0	0	0	3	28	13	2	0	0	0	0	0	0	0	46	30	33
07:00	0	0	1	14	42	18	3	0	0	0	0	0	0	0	78	29	32
08:00	0	0	3	11	43	29	3	3	0	0	0	0	0	0	92	29	33
09:00	0	0	1	13	52	14	9	0	0	0	0	0	0	0	89	29	33
10:00	0	2	2	20	53	21	4	0	0	0	0	0	0	0	102	28	32
11:00	0	0	2	23	61	16	4	0	0	0	0	0	0	0	106	28	31
12 PM	0	1	1	27	57	23	0	1	0	0	0	0	0	0	110	28	31
13:00	0	0	0	18	58	19	3	0	0	0	0	0	0	0	98	28	31
14:00	0	0	1	27	43	39	6	0	1	0	0	0	0	0	117	29	33
15:00	0	0	1	23	64	35	9	0	0	0	0	0	0	0	132	29	33
16:00	0	1	0	43	81	25	4	2	0	0	0	0	0	0	156	28	31
17:00	0	0	1	21	62	49	1	0	0	0	0	0	0	0	134	29	33
18:00	0	0	1	24	64	39	4	1	0	0	0	0	0	0	133	29	33
19:00	0	0	0	15	38	13	3	0	0	0	0	0	0	0	69	28	32
20:00	0	2	1	14	12	11	0	0	0	0	0	0	0	0	40	27	32
21:00	0	0	2	6	15	9	1	0	0	0	0	0	0	0	33	28	32
22:00	0	0	0	6	14	5	0	0	0	0	0	0	0	0	25	28	31
23:00	0	0	0	1	4	0	0	0	0	0	0	0	0	0	5	27	29
Total	0	6	18	317	811	385	59	8	3	0	0	0	0	0	1607		
Percent	0.0%	0.4%	1.1%	19.7%	50.5%	24.0%	3.7%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		10:00	08:00	11:00	11:00	08:00	09:00	08:00	04:00						11:00		
Vol.		2	3	23	61	29	9	3	2						106		
PM Peak		20:00	21:00	16:00	16:00	17:00	15:00	16:00	14:00						16:00		
Vol.		2	2	43	81	49	9	2	1						156		
Total	0	6	18	317	811	385	59	8	3	0	0	0	0	0	1607		
Percent	0.0%	0.4%	1.1%	19.7%	50.5%	24.0%	3.7%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 23 MPH  
50th Percentile : 27 MPH  
85th Percentile : 32 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1196  
Percent in Pace : 74.4%  
Number of Vehicles > 25 MPH : 1266  
Percent of Vehicles > 25 MPH : 78.8%  
Mean Speed(Average) : 29 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-081  
Long Look Dr btwn Verde Vista Dr & Loos  
Dr 34.600637, -112.332123  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	1	1	5	6	2	2	1	0	0	0	0	0	0	18	28	35
01:00	0	0	2	0	2	0	0	0	0	0	0	0	0	0	4	23	28
02:00	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3	33	37
03:00	0	0	1	0	2	1	0	1	0	0	0	0	0	0	5	30	41
04:00	0	0	0	2	6	2	0	0	2	0	0	0	0	0	12	31	45
05:00	0	0	0	9	17	16	4	2	0	0	0	0	0	0	48	30	34
06:00	0	0	0	5	48	39	10	0	0	0	0	0	0	0	102	31	34
07:00	0	1	1	27	109	59	12	0	1	0	0	0	0	0	210	29	33
08:00	0	0	3	21	92	73	8	3	0	0	0	0	0	0	200	30	33
09:00	0	0	1	27	125	52	19	1	0	0	1	0	0	0	226	30	33
10:00	0	2	5	38	96	59	15	2	0	0	0	0	0	0	217	29	33
11:00	0	0	2	39	102	51	10	1	1	0	0	0	0	0	206	29	33
12 PM	0	1	1	34	104	77	6	1	0	0	0	0	0	0	224	29	33
13:00	0	0	1	23	102	57	14	3	0	0	0	0	0	0	200	30	33
14:00	0	0	2	31	81	74	12	0	1	0	0	0	0	0	201	30	33
15:00	0	0	1	28	101	81	20	4	0	0	0	0	0	0	235	30	34
16:00	0	1	3	46	109	65	16	3	0	0	0	0	0	0	243	29	33
17:00	0	0	1	24	96	105	20	1	0	0	0	0	0	0	247	30	34
18:00	0	0	1	26	87	81	14	1	0	0	0	0	0	0	210	30	33
19:00	0	0	1	20	60	34	7	0	0	0	0	0	0	0	122	29	33
20:00	0	2	2	20	27	25	2	0	0	0	0	0	0	0	78	28	33
21:00	0	0	2	10	27	14	1	0	1	0	0	0	0	0	55	29	32
22:00	0	0	0	7	20	11	0	0	0	0	0	0	0	0	38	29	32
23:00	0	0	0	1	5	0	1	0	0	0	0	0	0	0	7	29	29
Total	0	8	31	443	1425	979	194	24	6	0	1	0	0	0	3111		
Percent	0.0%	0.3%	1.0%	14.2%	45.8%	31.5%	6.2%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		10:00	10:00	11:00	09:00	08:00	09:00	08:00	04:00		09:00				09:00		
Vol.		2	5	39	125	73	19	3	2		1				226		
PM Peak		20:00	16:00	16:00	16:00	17:00	15:00	15:00	14:00						17:00		
Vol.		2	3	46	109	105	20	4	1						247		
Total	0	8	31	443	1425	979	194	24	6	0	1	0	0	0	3111		
Percent	0.0%	0.3%	1.0%	14.2%	45.8%	31.5%	6.2%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 36 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2404  
Percent in Pace : 77.3%  
Number of Vehicles > 25 MPH : 2629  
Percent of Vehicles > 25 MPH : 84.5%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-079  
Long Look Dr btwn Gelding Dr & Val Verde  
Way 34.600632, -112.339421  
Latitude: 0' 0.0000 Undefined

## Eastbound

Start Time	0 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	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
05:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	8
06:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
07:00	1	0	0	3	3	3	0	0	0	0	0	0	0	0	10	26	32
08:00	0	0	0	2	6	8	3	0	0	1	0	0	0	0	20	32	36
09:00	0	0	1	3	9	8	3	0	0	0	0	0	0	0	24	30	34
10:00	0	0	1	4	19	23	2	0	0	0	0	0	0	0	49	30	33
11:00	0	0	1	3	16	16	8	2	0	0	0	0	0	0	46	32	36
12 PM	0	0	0	4	21	18	4	0	0	0	0	0	0	0	47	30	34
13:00	2	0	1	8	26	20	4	0	0	0	0	0	0	0	61	29	33
14:00	0	1	2	2	21	21	2	0	0	0	0	0	0	0	49	30	33
15:00	0	0	2	3	19	20	2	0	0	0	0	0	0	0	46	30	33
16:00	0	0	1	6	17	20	6	1	0	0	0	0	0	0	51	31	34
17:00	0	0	4	7	11	16	3	0	0	0	0	0	0	0	41	29	34
18:00	0	0	0	4	10	11	4	0	0	0	0	0	0	0	29	31	34
19:00	0	0	0	4	7	2	2	0	0	0	0	0	0	0	15	29	34
20:00	0	0	0	1	4	0	1	0	0	0	0	0	0	0	6	29	35
21:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4	31	33
22:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	31	33
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
Total	4	1	13	56	193	190	44	3	0	1	0	0	0	0	505		
Percent	0.8%	0.2%	2.6%	11.1%	38.2%	37.6%	8.7%	0.6%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%			
AM Peak	05:00		09:00	10:00	10:00	10:00	11:00	11:00		08:00					10:00		
Vol.	1		1	4	19	23	8	2		1					49		
PM Peak	13:00	14:00	17:00	13:00	13:00	14:00	16:00	16:00							13:00		
Vol.	2	1	4	8	26	21	6	1							61		
Total	4	1	13	56	193	190	44	3	0	1	0	0	0	0	505		
Percent	0.8%	0.2%	2.6%	11.1%	38.2%	37.6%	8.7%	0.6%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 34 MPH  
95th Percentile : 37 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 383  
Percent in Pace : 75.8%  
Number of Vehicles > 25 MPH : 431  
Percent of Vehicles > 25 MPH : 85.3%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-079  
Long Look Dr btwn Gelding Dr & Val Verde  
Way 34.600632, -112.339421  
Latitude: 0' 0.0000 Undefined

## Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	1	1	2	3	1	0	0	0	0	0	0	0	8	29	34
01:00	0	1	0	0	0	3	0	0	0	0	0	0	0	0	4	28	34
02:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3	28	32
03:00	0	0	0	1	2	2	1	0	0	0	0	0	0	0	6	31	35
04:00	0	0	0	0	10	4	1	0	0	1	0	0	0	0	16	31	34
05:00	0	0	1	5	16	14	8	0	0	0	0	0	0	0	44	31	35
06:00	0	0	3	11	40	41	7	0	0	0	0	0	0	0	102	30	33
07:00	0	0	3	18	56	60	12	1	0	0	0	0	0	0	150	30	34
08:00	0	0	3	17	66	54	10	1	0	0	0	0	0	0	151	30	33
09:00	1	0	1	18	71	47	16	0	0	0	0	0	0	0	154	30	34
10:00	0	0	2	28	62	52	7	3	0	0	0	0	0	0	154	29	33
11:00	0	0	4	18	76	60	10	2	0	0	0	0	0	0	170	30	33
12 PM	0	1	3	24	72	66	10	1	0	0	0	0	0	0	177	30	33
13:00	0	0	4	12	56	56	6	2	0	0	0	0	0	0	136	30	33
14:00	0	2	3	22	50	54	10	2	0	0	0	0	0	0	143	30	34
15:00	0	0	0	21	79	59	13	0	0	0	0	0	0	0	172	30	33
16:00	1	0	3	23	77	61	12	1	0	0	0	0	0	0	178	30	33
17:00	0	0	4	20	68	73	17	0	0	0	0	0	0	0	182	30	34
18:00	0	1	3	19	70	46	11	2	1	0	0	0	0	0	153	30	34
19:00	0	0	4	20	34	36	4	0	0	0	0	0	0	0	98	29	33
20:00	0	0	0	17	42	17	1	0	0	0	0	0	0	0	77	28	31
21:00	0	0	0	11	25	8	2	0	0	0	0	0	0	0	46	28	31
22:00	0	0	1	8	18	4	1	0	0	0	0	0	0	0	32	27	30
23:00	0	0	0	1	4	2	0	0	0	0	0	0	0	0	7	29	32
Total	2	5	43	316	997	823	160	15	1	1	0	0	0	0	2363		
Percent	0.1%	0.2%	1.8%	13.4%	42.2%	34.8%	6.8%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	01:00	11:00	10:00	11:00	07:00	09:00	10:00		04:00					11:00		
Vol.	1	1	4	28	76	60	16	3		1					170		
PM Peak	16:00	14:00	13:00	12:00	15:00	17:00	17:00	13:00	18:00						17:00		
Vol.	1	2	4	24	79	73	17	2	1						182		
Total	2	5	43	316	997	823	160	15	1	1	0	0	0	0	2363		
Percent	0.1%	0.2%	1.8%	13.4%	42.2%	34.8%	6.8%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 29 MPH  
85th Percentile : 33 MPH  
95th Percentile : 36 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1820  
Percent in Pace : 77.0%  
Number of Vehicles > 25 MPH : 1997  
Percent of Vehicles > 25 MPH : 84.5%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-079  
Long Look Dr btwn Gelding Dr & Val Verde  
Way 34.600632, -112.339421  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	1	1	2	3	1	0	0	0	0	0	0	0	8	29	34
01:00	0	1	0	0	0	4	0	0	0	0	0	0	0	0	5	29	34
02:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3	28	32
03:00	0	0	0	1	2	2	1	0	0	0	0	0	0	0	6	31	35
04:00	0	0	0	0	11	4	1	0	0	1	0	0	0	0	17	31	34
05:00	1	0	1	5	16	14	8	0	0	0	0	0	0	0	45	30	35
06:00	0	0	3	12	40	41	7	0	0	0	0	0	0	0	103	30	33
07:00	1	0	3	21	59	63	12	1	0	0	0	0	0	0	160	30	34
08:00	0	0	3	19	72	62	13	1	0	1	0	0	0	0	171	30	34
09:00	1	0	2	21	80	55	19	0	0	0	0	0	0	0	178	30	34
10:00	0	0	3	32	81	75	9	3	0	0	0	0	0	0	203	30	33
11:00	0	0	5	21	92	76	18	4	0	0	0	0	0	0	216	30	34
12 PM	0	1	3	28	93	84	14	1	0	0	0	0	0	0	224	30	33
13:00	2	0	5	20	82	76	10	2	0	0	0	0	0	0	197	30	33
14:00	0	3	5	24	71	75	12	2	0	0	0	0	0	0	192	30	34
15:00	0	0	2	24	98	79	15	0	0	0	0	0	0	0	218	30	33
16:00	1	0	4	29	94	81	18	2	0	0	0	0	0	0	229	30	34
17:00	0	0	8	27	79	89	20	0	0	0	0	0	0	0	223	30	34
18:00	0	1	3	23	80	57	15	2	1	0	0	0	0	0	182	30	34
19:00	0	0	4	24	41	38	6	0	0	0	0	0	0	0	113	29	33
20:00	0	0	0	18	46	17	2	0	0	0	0	0	0	0	83	28	31
21:00	0	0	0	11	27	10	2	0	0	0	0	0	0	0	50	28	32
22:00	0	0	1	8	19	5	1	0	0	0	0	0	0	0	34	28	30
23:00	0	0	0	2	4	2	0	0	0	0	0	0	0	0	8	28	32
Total	6	6	56	372	1190	1013	204	18	1	2	0	0	0	0	2868		
Percent	0.2%	0.2%	2.0%	13.0%	41.5%	35.3%	7.1%	0.6%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	05:00	01:00	11:00	10:00	11:00	11:00	09:00	11:00		04:00					11:00		
Vol.	1	1	5	32	92	76	19	4		1					216		
PM Peak	13:00	14:00	17:00	16:00	15:00	17:00	17:00	13:00	18:00						16:00		
Vol.	2	3	8	29	98	89	20	2	1						229		
Total	6	6	56	372	1190	1013	204	18	1	2	0	0	0	0	2868		
Percent	0.2%	0.2%	2.0%	13.0%	41.5%	35.3%	7.1%	0.6%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 29 MPH  
85th Percentile : 33 MPH  
95th Percentile : 37 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2203  
Percent in Pace : 76.8%  
Number of Vehicles > 25 MPH : 2428  
Percent of Vehicles > 25 MPH : 84.7%  
Mean Speed(Average) : 30 MPH

## Crash Summary

### Segment 1: Loos Drive to Viewpoint Drive

Data Period: 2019 - 2021

Total Crashes: 14

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3547026	7/19/2019	9:52 AM	2019	Loos Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
2	3558756	9/17/2019	1:35 PM	2019	Windsong Drive	Long Look Drive	-25	No Injury	Rear-end	Daylight	2	0	0	Yes
3	3623235	2/4/2020	8:32 AM	2020	Windsong Drive	Loos Drive	0	No Injury	Left Turn	Daylight	2	0	0	
4	3700675	11/5/2020	2:48 PM	2020	Windsong Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
5	3665138	7/15/2020	4:52 PM	2020	Windsong Drive	Long Look Drive	-30	No Injury	Rear-end	Daylight	2	0	0	Yes
6	3704846	11/16/2020	2:11 PM	2020	Long Look Drive	Viewpoint Drive	0	No Injury	Angle	Daylight	2	0	0	
7	3771896	5/18/2021	4:07 PM	2021	Windsong Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
8	3802084	8/16/2021	2:57 PM	2021	Long Look Drive	Windsong Drive	-0.2	Possible Injury	Rear-end	Daylight	3	2	0	Yes
9	3744887	3/19/2021	10:22 AM	2021	Viewpoint Drive	Long Look Drive	0	Possible Injury	Angle	Daylight	2	2	0	
10	3747684	3/22/2021	12:39 PM	2021	Viewpoint Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
11	3770692	5/17/2021	2:53 PM	2021	Viewpoint Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
12	3771196	5/22/2021	3:37 PM	2021	Viewpoint Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
13	3788236	7/6/2021	2:34 PM	2021	Viewpoint Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
14	3788553	7/10/2021	9:26 AM	2021	Long Look Drive	Viewpoint Drive	0	Minor Injury	Angle	Daylight	2	1	0	

## Segment 2: Viewpoint Drive to Glassford Hill Road

Data Period: 2019 - 2021

Total Crashes: 26

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3565247	9/4/2019	7:25 PM	2019	Long Look Drive	Gelding Drive	0	Possible Injury	Left Turn	Dark Lighted	2	1	0	
2	3547006	8/7/2019	7:29 AM	2019	Long Look Drive	Lone Cactus Drive	35	No Injury	Rear-end	Daylight	2	0	0	
3	3585207	10/10/2019	9:00 AM	2019	Lone Cactus Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
4	3573720	10/21/2019	12:20 PM	2019	Long Look Drive	Glassford Hill Road	127	Possible Injury	Rear-end	Daylight	2	1	0	
5	3573719	10/21/2019	1:32 PM	2019	Long Look Drive	Glassford Hill Road	47	Possible Injury	Rear-end	Daylight	2	1	0	Yes
6	3517475	5/13/2019	1:34 PM	2019	Glassford Hill Road	Long Look Drive	-57	Possible Injury	Rear-end	Daylight	2	1	0	Yes
7	3474386	1/14/2019	3:01 PM	2019	Glassford Hill Road	Long Look Drive	0	No Injury	Single Vehicle	Daylight	1	0	0	Yes
8	3699523	11/3/2020	7:30 AM	2020	Long Look Drive	Glassford Hill Road	327	No Injury	Rear-end	Daylight	2	0	0	Yes
9	3685920	9/24/2020	6:47 PM	2020	Glassford Hill Road	Long Look Drive	-25	No Injury	Left Turn	Dark Lighted	3	0	0	
10	3695101	10/19/2020	2:21 PM	2020	Glassford Hill Road	Long Look Drive	-20	No Injury	Rear-end	Daylight	2	0	0	
11	3625528	2/9/2020	1:50 PM	2020	Glassford Hill Road	Long Look Drive	0	Possible Injury	Sideswipe	Daylight	2	2	0	
12	3660051	6/13/2020	7:23 AM	2020	Glassford Hill Road	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
13	3791616	7/15/2021	1:05 PM	2021	Viewpoint Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
14	3801363	8/13/2021	9:48 AM	2021	Long Look Drive	Viewpoint Drive	0	Possible Injury	Angle	Daylight	2	1	0	
15	3806836	8/30/2021	4:51 PM	2021	Long Look Drive	Viewpoint Drive	0	No Injury	Angle	Daylight	2	0	0	
16	3811155	9/9/2021	3:50 PM	2021	Long Look Drive	Viewpoint Drive	0	No Injury	Left Turn	Daylight	2	0	0	
17	3824747	10/14/2021	10:20 AM	2021	Long Look Drive	Viewpoint Drive	0	No Injury	Angle	Daylight	2	0	0	
18	3830040	10/23/2021	2:40 PM	2021	Long Look Drive	Viewpoint Drive	0	No Injury	Angle	Daylight	2	0	0	
19	3754003	4/12/2021	3:08 PM	2021	Long Look Drive	Fiesta Way	0	No Injury	Left Turn	Daylight	2	0	0	
20	3778667	6/1/2021	9:46 PM	2021	Kachina Way	Long Look Drive	0	No Injury	Left Turn	Dark Lighted	2	0	0	
21	3835579	11/7/2021	7:54 AM	2021	Long Look Drive	Kachina Way	0	No Injury	Angle	Dawn	2	0	0	
22	3831145	11/3/2021	7:45 AM	2021	Long Look Drive	Kachina Way	50	No Injury	Rear-end	Daylight	3	0	0	Yes
23	3821539	10/4/2021	7:20 AM	2021	Long Look Drive	Lone Cactus Drive	0	No Injury	Left Turn	Daylight	2	0	0	
24	3830034	10/26/2021	10:02 AM	2021	Long Look Drive	Lone Cactus Drive	0	No Injury	Left Turn	Daylight	2	0	0	
25	3812481	9/2/2021	9:25 AM	2021	Long Look Drive	Glassford Hill Road	0	No Injury	Sideswipe	Daylight	2	0	0	
26	3835574	11/12/2021	7:28 AM	2021	Glassford Hill Road	Long Look Drive	0	Possible Injury	Left Turn	Daylight	2	3	0	



# SPEED LIMIT STUDY

Prescott Valley, Arizona

February 2024



**Segment Studied:** Loos Drive

**From:** Ranger Road

**To:** Long Look Drive

**Length:** 1.4 miles

## Study Area Map - Existing Speed Limits





**Introduction:**

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

**Roadway Characteristics:**

- Functional Classification: collector
- Existing Speed Limit: 25 mph
- One lane in each direction separated by a two-way left-turn lane (east of Robert Road) or a double-yellow centerline (west of Robert Road)
- Pavement width varies from about 24 feet west of roughly Robert Road to 40 feet east of Robert Road
- Moderate horizontal curvature (near east and west termini of the segment)
- Curb, gutter, and sidewalk mostly on both sides of the roadway east of Robert Road; no curb and gutter west of Robert Road
- Marked shoulder on the north side of the street west of Navajo Drive
- No street lighting
- Marked on-street parking on the north side of the roadway near Acorn Montessori School
- Uncontrolled crosswalks marked at Katie Circle and the Prescott Valley Pipeline Multi-Use Path just west of Navajo Drive
- School zone with portable 15-mph speed limit signs near Mountain View Elementary School

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Thursday, December 1, 2022, and Tuesday, May 30, 2023, at the following locations:

- Site A: Loos Drive, about 420 feet east of Hoffman Road
- Site B: Loos Drive, about 680 feet north of Long Look Drive

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b>Site A: 420 feet east of Hoffman Road</b>			
Eastbound	28 mph	31 mph	835
Westbound	26 mph	29 mph	826
Both Directions	27 mph	30 mph	1,661
<b>Site B: 680 feet north of Long Look Drive</b>			
Eastbound	27 mph	29 mph	2,799
Westbound	32 mph	36 mph	2,438
Both Directions	29 mph	33 mph	5,237

- Average speeds ranged from 27 to 29 mph, slightly above the existing 25-mph speed limit.
- 85th-percentile speeds averaged 30 to 33 mph.
- Near Long Look Drive, there is a notable difference in speeds by direction. Eastbound speeds are considerably slower than westbound speeds. The difference by direction is 5 mph in average speed and 7 mph in 85th-percentile speed.
- Traffic volume is considerably higher in the western portion of the segment despite the fact that this segment has front-facing homes, narrower pavement, no curb and gutter, and no left-turn lanes.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	6	2	0	8	3
2020	7	2	0	9	2
2021	1	4	0	5	1
<b>Total</b>	<b>14</b>	<b>8</b>	<b>0</b>	<b>22</b>	<b>6</b>

- 22 crashes were reported, an average of about 7.3 crashes per year.
- 4 minor injury crashes, 3 possible injury crashes, and one serious crash were reported.
- 3 of the 4 minor injury crashes were reported as speed-related crashes.
- A serious bicyclist crash occurred on the south leg of Loos Drive and Robert Road on October 9, 2019, at 4:47 p.m., when a bicyclist crossing Robert Road was struck by a westbound vehicle making a left turn whose driver failed to yield.
- The crash rate along the corridor is 416 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 151 per 100 MVM. However, only about 27 percent of crashes on the corridor were determined to be speed related.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM. The critical crash rate is 350 per 100 MVM, and the critical injury rate is 134 per 100 MVM.
- The crash rate along the corridor is 79% higher than the average rate on similar roadways and 19% higher than the critical rate. The injury rate along the corridor is 129% higher than the average injury rate on similar roadways and about 13% higher than the critical injury rate on similar roadways.

### **Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R1MH – Residential (Single Family Mobile Home), RS – Residential & Services, PL – Public Lands, and C1 – Commercial (Neighborhood Sales & Services).
- West of Robert Road, the street frontage consists of exclusively front-facing single-family homes. A few front-facing homes are also present west of Navajo Drive.
- Mountain Valley Park, Mountain View Elementary School, Acorn Montessori School, and Boys & Girls Clubs of Central Arizona are located east of Robert Road.

### **Speed Limit Recommendation:**

Retain the existing 25-mph speed limit, for the following reasons:

- The narrow pavement width and front-facing homes clearly indicate a need for a speed limit no greater than 25 mph.
- West of Robert Road, pedestrians walking along the street have no sidewalk and must walk in the travel lane with motor vehicles; this condition is not conducive for speeds higher than 25 mph.
- Existing average travel speeds are near the existing speed limit, documenting that many drivers' travel speeds are consistent with the existing speed limit.
- Crash and injury rates are both higher than average for typical roadways, an indication that the speed limit should not be increased.
- The park and schools in the eastern portion of the corridor are pedestrian-intensive land uses that are expected to generate pedestrian crossings. An increase in speed limit would not be conducive with these land uses.
- On-street parking near Acorn Montessori school requires drivers to open their doors into the westbound travel lane, and an increase in speed limit would not support safe and comfortable ingress and egress to vehicles parked on the street.
- Horizontal curvature at the west end of the segment is comfortable at 25 mph, according to ball-bank indicator readings, which peak at 5° of ball bank. Curvature at the east end of the segment is sharper but has separate warning signs.

**Recommended Action Items:**

- The horizontal curvature west of Navajo Drive is currently posted with Curve (W1-2) warning signs and 15-mph advisory speed (W13-1P) plaques. The town may wish to consider replacing the first warning sign in each direction with reverse turn warning signs (W1-3) to communicate the presence of successive horizontal curves. Subsequent horizontal alignment warning signs may not be necessary, but if retained, the town may want to consider replacing the Curve (W1-2) signs with Turn signs (W1-1). Where used, Turn signs, rather than Curve signs, are required by the *Manual on Uniform Traffic Control Devices* (MUTCD) for advisory speeds 30 mph and below.
- The town should consider installing a 25-mph SPEED LIMIT sign for westbound traffic just past the horizontal curvature, slightly east of Katie Circle. In this area, westbound drivers enter a long tangent with a cross-section that is sometimes associated with speeds higher than 25 mph. A SPEED LIMIT sign in this area would help remind drivers of the appropriate speed as they enter the tangent section.
- The town may wish to consider adding an edge line along the right edge of the westbound traveled way (north side of the street) near the on-street parking at Acorn Montessori School. It is probably not necessary to designate individual parking spaces using pavement markings, but an edge line between through traffic and parked vehicles can help encourage proper lateral positioning of parked vehicles and ensure through motorists are aware of the presence of on-street parking in this area. Existing conditions are shown below.



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-090  
Loos Dr btwn Katie Cir E & Hoffman Rd  
34.604348, -112.313854  
Latitude: 0' 0.0000 Undefined

## Eastbound

Start Time	0 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	Total	Average (Mean)	85th Percent
05/30/23	0	0	1	4	4	2	0	0	0	0	0	0	0	0	11	26	30
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
04:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	26	28
05:00	0	0	0	2	7	2	0	1	0	0	0	0	0	0	12	29	32
06:00	0	0	0	3	13	8	2	0	0	0	0	0	0	0	26	30	33
07:00	0	0	0	14	17	4	1	0	0	0	0	0	0	0	36	27	29
08:00	0	0	4	11	10	3	0	0	0	0	0	0	0	0	28	25	29
09:00	0	0	4	7	11	10	1	0	0	0	0	0	0	0	33	28	33
10:00	0	0	1	13	12	9	2	0	0	0	0	0	0	0	37	28	33
11:00	0	0	1	10	30	5	1	0	0	0	0	0	0	0	47	27	29
12 PM	0	0	2	22	10	4	1	0	0	0	0	0	0	0	39	25	29
13:00	0	0	0	8	21	6	0	0	0	0	0	0	0	0	35	28	30
14:00	0	0	1	18	33	12	1	0	0	0	0	0	0	0	65	28	31
15:00	1	1	1	15	40	10	4	1	0	0	0	0	0	0	73	28	32
16:00	0	0	0	10	28	22	4	0	0	1	0	0	0	0	65	30	33
17:00	0	0	0	16	48	11	1	0	0	0	0	0	0	0	76	28	30
18:00	0	0	0	5	43	16	2	0	0	0	0	0	0	0	66	29	32
19:00	0	0	1	16	38	14	2	0	0	0	0	0	0	0	71	28	31
20:00	0	0	0	15	25	7	1	0	0	0	0	0	0	0	48	27	30
21:00	0	0	0	8	23	2	0	1	0	0	0	0	0	0	34	28	29
22:00	0	0	0	6	12	1	0	0	0	0	0	0	0	0	19	27	29
23:00	0	0	1	2	3	1	0	1	0	0	0	0	0	0	8	28	33
Total	1	1	17	206	432	150	23	4	0	1	0	0	0	0	835		
Percent	0.1%	0.1%	2.0%	24.7%	51.7%	18.0%	2.8%	0.5%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak			08:00	07:00	11:00	09:00	06:00	05:00							11:00		
Vol.			4	14	30	10	2	1							47		
PM Peak	15:00	15:00	12:00	12:00	17:00	16:00	15:00		16:00						17:00		
Vol.	1	1	2	22	48	22	4	1		1					76		
Total	1	1	17	206	432	150	23	4	0	1	0	0	0	0	835		
Percent	0.1%	0.1%	2.0%	24.7%	51.7%	18.0%	2.8%	0.5%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 22 MPH  
50th Percentile : 27 MPH  
85th Percentile : 31 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 638  
Percent in Pace : 76.4%  
Number of Vehicles > 25 MPH : 610  
Percent of Vehicles > 25 MPH : 73.1%  
Mean Speed(Average) : 28 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-090  
Loos Dr btwn Katie Cir E & Hoffman Rd  
34.604348, -112.313854  
Latitude: 0' 0.0000 Undefined

## Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71		Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71	Total	(Mean)	Percent
05/30/23	0	0	0	4	2	0	0	0	0	1	0	0	0	0	7	29	29
01:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	28	33
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	26	28
04:00	0	0	0	5	2	0	1	0	0	0	0	0	0	0	8	26	29
05:00	0	0	0	4	9	4	0	0	0	0	0	0	0	0	17	28	31
06:00	0	0	0	11	17	4	0	0	0	0	0	0	0	0	32	27	29
07:00	0	0	1	14	24	3	0	0	0	0	0	0	0	0	42	26	29
08:00	0	0	2	14	21	6	0	0	0	0	0	0	0	0	43	27	29
09:00	0	0	0	21	22	6	0	0	0	0	0	0	0	0	49	26	29
10:00	0	0	2	21	18	4	0	0	0	0	0	0	0	0	45	26	29
11:00	0	0	5	19	21	2	0	0	0	0	0	0	0	0	47	25	28
12 PM	0	1	2	20	24	4	0	0	1	0	0	0	0	0	52	26	29
13:00	0	0	0	11	15	1	0	0	0	0	0	0	0	0	27	26	28
14:00	0	1	4	32	30	9	2	0	0	0	0	0	0	0	78	26	29
15:00	0	2	0	23	26	2	1	0	0	0	0	0	0	0	54	26	29
16:00	0	0	1	20	40	8	1	1	0	0	0	0	0	0	71	27	29
17:00	0	0	1	25	28	12	3	0	0	0	0	0	0	0	69	27	31
18:00	0	0	0	22	31	9	1	0	0	0	0	1	0	0	64	28	30
19:00	0	0	0	29	14	3	3	0	0	0	0	0	0	0	49	26	29
20:00	0	0	5	20	12	1	0	0	0	0	0	0	0	0	38	24	28
21:00	0	0	0	12	8	1	0	0	0	0	0	0	0	0	21	25	28
22:00	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4	24	27
23:00	0	0	0	2	1	1	0	0	0	0	0	0	0	0	4	27	32
Total	0	4	23	334	368	81	12	1	1	1	0	1	0	0	826		
Percent	0.0%	0.5%	2.8%	40.4%	44.6%	9.8%	1.5%	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%			
AM Peak			11:00	09:00	07:00	08:00	04:00			00:00					09:00		
Vol.			5	21	24	6	1			1					49		
PM Peak		15:00	20:00	14:00	16:00	17:00	17:00	16:00	12:00			18:00			14:00		
Vol.		2	5	32	40	12	3	1	1			1			78		
Total	0	4	23	334	368	81	12	1	1	1	0	1	0	0	826		
Percent	0.0%	0.5%	2.8%	40.4%	44.6%	9.8%	1.5%	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 21 MPH  
50th Percentile : 25 MPH  
85th Percentile : 29 MPH  
95th Percentile : 33 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 702  
Percent in Pace : 85.0%  
Number of Vehicles > 25 MPH : 465  
Percent of Vehicles > 25 MPH : 56.3%  
Mean Speed(Average) : 26 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-090  
Loos Dr btwn Katie Cir E & Hoffman Rd  
34.604348, -112.313854  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	1	8	6	2	0	0	0	1	0	0	0	0	18	27	30
01:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3	28	32
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
03:00	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4	27	29
04:00	0	0	0	6	4	0	1	0	0	0	0	0	0	0	11	26	29
05:00	0	0	0	6	16	6	0	1	0	0	0	0	0	0	29	29	32
06:00	0	0	0	14	30	12	2	0	0	0	0	0	0	0	58	28	32
07:00	0	0	1	28	41	7	1	0	0	0	0	0	0	0	78	27	29
08:00	0	0	6	25	31	9	0	0	0	0	0	0	0	0	71	26	29
09:00	0	0	4	28	33	16	1	0	0	0	0	0	0	0	82	27	31
10:00	0	0	3	34	30	13	2	0	0	0	0	0	0	0	82	27	31
11:00	0	0	6	29	51	7	1	0	0	0	0	0	0	0	94	26	29
12 PM	0	1	4	42	34	8	1	0	1	0	0	0	0	0	91	26	29
13:00	0	0	0	19	36	7	0	0	0	0	0	0	0	0	62	27	29
14:00	0	1	5	50	63	21	3	0	0	0	0	0	0	0	143	27	30
15:00	1	3	1	38	66	12	5	1	0	0	0	0	0	0	127	27	29
16:00	0	0	1	30	68	30	5	1	0	1	0	0	0	0	136	29	32
17:00	0	0	1	41	76	23	4	0	0	0	0	0	0	0	145	28	31
18:00	0	0	0	27	74	25	3	0	0	0	0	1	0	0	130	28	31
19:00	0	0	1	45	52	17	5	0	0	0	0	0	0	0	120	27	31
20:00	0	0	5	35	37	8	1	0	0	0	0	0	0	0	86	26	29
21:00	0	0	0	20	31	3	0	1	0	0	0	0	0	0	55	27	29
22:00	0	0	0	9	13	1	0	0	0	0	0	0	0	0	23	26	29
23:00	0	0	1	4	4	2	0	1	0	0	0	0	0	0	12	28	32
Total	1	5	40	540	800	231	35	5	1	2	0	1	0	0	1661		
Percent	0.1%	0.3%	2.4%	32.5%	48.2%	13.9%	2.1%	0.3%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%			
AM Peak Vol.			08:00 6	10:00 34	11:00 51	09:00 16	06:00 2	05:00 1		00:00 1					11:00 94		
PM Peak Vol.	15:00 1	15:00 3	14:00 5	14:00 50	17:00 76	16:00 30	15:00 5	15:00 1	12:00 1	16:00 1		18:00 1			17:00 145		
Total	1	5	40	540	800	231	35	5	1	2	0	1	0	0	1661		
Percent	0.1%	0.3%	2.4%	32.5%	48.2%	13.9%	2.1%	0.3%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 21 MPH  
50th Percentile : 26 MPH  
85th Percentile : 30 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 1340  
Percent in Pace : 80.7%  
Number of Vehicles > 25 MPH : 1075  
Percent of Vehicles > 25 MPH : 64.7%  
Mean Speed(Average) : 27 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-041  
Loos Rd west of Tonto Way  
34.602219, -112.328445  
Latitude: 0' 0.0000 Undefined

## Eastbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/01/22	0	0	0	6	3	1	0	0	0	0	0	0	0	0	10	26	29
01:00	0	0	0	3	3	0	0	0	0	0	0	0	0	0	6	26	28
02:00	0	0	0	1	4	0	0	0	0	0	0	0	0	0	5	27	29
03:00	0	0	0	1	0	1	0	0	1	0	0	0	0	0	3	35	47
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
05:00	0	0	0	2	4	4	0	0	0	0	0	0	0	0	10	29	33
06:00	0	0	0	14	20	1	0	0	0	1	0	0	0	0	36	27	29
07:00	0	0	0	47	110	17	0	1	0	1	0	1	0	0	177	28	29
08:00	0	0	2	26	60	15	2	0	1	0	0	0	0	0	106	28	30
09:00	0	0	1	18	91	15	0	0	0	0	0	0	0	0	125	28	29
10:00	1	1	1	36	75	12	1	0	0	0	0	0	0	0	127	27	29
11:00	1	0	1	47	92	16	1	0	0	0	0	0	0	0	158	27	29
12 PM	0	1	2	38	129	10	1	0	0	0	0	0	0	0	181	27	29
13:00	0	0	0	32	110	29	2	0	1	0	0	0	0	0	174	28	31
14:00	0	0	2	74	159	19	1	0	0	0	0	0	0	0	255	27	29
15:00	0	0	1	68	200	28	1	1	0	0	0	0	0	0	299	27	29
16:00	0	0	0	60	179	21	2	0	0	0	1	0	0	0	263	27	29
17:00	0	0	4	96	182	21	0	0	0	0	0	1	0	0	304	27	29
18:00	0	0	2	80	87	12	1	0	0	0	0	0	0	0	182	26	29
19:00	0	0	2	72	65	5	1	0	0	0	0	0	0	0	145	26	28
20:00	0	0	4	43	52	6	1	0	0	0	0	0	0	0	106	26	29
21:00	0	0	0	26	35	2	0	0	0	0	0	0	0	0	63	26	28
22:00	0	0	0	12	17	2	2	0	0	0	0	0	0	0	33	27	29
23:00	0	0	0	7	18	4	1	0	0	0	0	0	0	0	30	28	30
Total	2	2	22	809	1696	241	17	2	3	2	1	2	0	0	2799		
Percent	0.1%	0.1%	0.8%	28.9%	60.6%	8.6%	0.6%	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%			
AM Peak	10:00	10:00	08:00	07:00	07:00	07:00	08:00	07:00	03:00	06:00		07:00			07:00		
Vol.	1	1	2	47	110	17	2	1	1	1		1			177		
PM Peak		12:00	17:00	17:00	15:00	13:00	13:00	15:00	13:00		16:00	17:00			17:00		
Vol.		1	4	96	200	29	2	1	1		1	1			304		
Total	2	2	22	809	1696	241	17	2	3	2	1	2	0	0	2799		
Percent	0.1%	0.1%	0.8%	28.9%	60.6%	8.6%	0.6%	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 22 MPH  
50th Percentile : 26 MPH  
85th Percentile : 29 MPH  
95th Percentile : 32 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 2505  
Percent in Pace : 89.5%  
Number of Vehicles > 25 MPH : 1964  
Percent of Vehicles > 25 MPH : 70.2%  
Mean Speed(Average) : 27 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-041  
Loos Rd west of Tonto Way  
34.602219, -112.328445  
Latitude: 0' 0.0000 Undefined

## Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
12/01/22	0	0	0	0	1	1	1	2	0	0	0	0	0	0	5	37	43
01:00	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3	30	32
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	2	5	1	0	0	0	0	0	0	0	8	32	34
04:00	0	0	0	0	2	9	4	1	2	0	0	0	0	0	18	36	41
05:00	0	0	0	2	11	14	7	2	0	0	0	0	0	0	36	32	37
06:00	0	1	0	7	22	37	16	3	0	0	0	0	0	0	86	32	36
07:00	0	0	1	18	148	157	34	5	0	0	0	1	0	0	364	31	34
08:00	0	1	2	16	61	82	30	6	2	2	0	0	0	0	202	32	36
09:00	0	0	0	4	40	71	20	8	1	0	0	0	0	0	144	33	36
10:00	0	0	2	8	33	70	21	5	1	1	0	0	0	0	141	32	36
11:00	0	0	0	4	36	58	23	8	3	0	0	0	0	0	132	33	38
12 PM	0	0	0	1	40	63	36	3	2	0	0	0	0	0	145	33	37
13:00	0	0	0	8	53	74	21	2	0	0	0	0	0	0	158	32	34
14:00	0	3	0	4	43	76	34	5	1	0	0	0	0	0	166	33	37
15:00	0	3	3	2	66	94	39	3	1	0	0	0	0	0	211	32	36
16:00	0	0	1	4	44	91	30	3	2	0	0	0	0	0	175	33	36
17:00	0	0	0	4	53	65	18	3	1	0	0	0	0	0	144	32	35
18:00	0	0	0	4	48	45	13	1	0	0	0	0	0	0	111	31	34
19:00	0	0	2	6	27	46	4	1	0	0	0	0	0	0	86	31	34
20:00	0	0	1	4	16	19	8	0	0	0	0	1	0	0	49	32	36
21:00	0	1	0	1	8	13	5	0	1	0	0	0	0	0	29	32	36
22:00	0	0	0	0	6	7	1	1	0	0	0	0	0	0	15	32	34
23:00	0	0	0	0	2	4	4	0	0	0	0	0	0	0	10	34	38
Total	0	9	12	97	764	1102	370	62	17	3	0	2	0	0	2438		
Percent	0.0%	0.4%	0.5%	4.0%	31.3%	45.2%	15.2%	2.5%	0.7%	0.1%	0.0%	0.1%	0.0%	0.0%			
AM Peak		06:00	08:00	07:00	07:00	07:00	07:00	09:00	11:00	08:00		07:00			07:00		
Vol.		1	2	18	148	157	34	8	3	2		1			364		
PM Peak		14:00	15:00	13:00	15:00	15:00	15:00	14:00	12:00			20:00			15:00		
Vol.		3	3	8	66	94	39	5	2			1			211		
Total	0	9	12	97	764	1102	370	62	17	3	0	2	0	0	2438		
Percent	0.0%	0.4%	0.5%	4.0%	31.3%	45.2%	15.2%	2.5%	0.7%	0.1%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 36 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1866  
Percent in Pace : 76.5%  
Number of Vehicles > 25 MPH : 2320  
Percent of Vehicles > 25 MPH : 95.2%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-041  
Loos Rd west of Tonto Way  
34.602219, -112.328445  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
12/01/22	0	0	0	6	4	2	1	2	0	0	0	0	0	0	15	29	38
01:00	0	0	0	3	5	1	0	0	0	0	0	0	0	0	9	27	29
02:00	0	0	0	1	4	0	0	0	0	0	0	0	0	0	5	27	29
03:00	0	0	0	1	2	6	1	0	1	0	0	0	0	0	11	33	36
04:00	0	0	0	0	3	9	4	1	2	0	0	0	0	0	19	35	40
05:00	0	0	0	4	15	18	7	2	0	0	0	0	0	0	46	32	36
06:00	0	1	0	21	42	38	16	3	0	1	0	0	0	0	122	30	35
07:00	0	0	1	65	258	174	34	6	0	1	0	2	0	0	541	30	33
08:00	0	1	4	42	121	97	32	6	3	2	0	0	0	0	308	30	34
09:00	0	0	1	22	131	86	20	8	1	0	0	0	0	0	269	30	34
10:00	1	1	3	44	108	82	22	5	1	1	0	0	0	0	268	30	34
11:00	1	0	1	51	128	74	24	8	3	0	0	0	0	0	290	30	34
12 PM	0	1	2	39	169	73	37	3	2	0	0	0	0	0	326	30	34
13:00	0	0	0	40	163	103	23	2	1	0	0	0	0	0	332	30	33
14:00	0	3	2	78	202	95	35	5	1	0	0	0	0	0	421	29	33
15:00	0	3	4	70	266	122	40	4	1	0	0	0	0	0	510	29	33
16:00	0	0	1	64	223	112	32	3	2	0	1	0	0	0	438	30	33
17:00	0	0	4	100	235	86	18	3	1	0	0	1	0	0	448	28	32
18:00	0	0	2	84	135	57	14	1	0	0	0	0	0	0	293	28	32
19:00	0	0	4	78	92	51	5	1	0	0	0	0	0	0	231	28	32
20:00	0	0	5	47	68	25	9	0	0	0	0	1	0	0	155	28	32
21:00	0	1	0	27	43	15	5	0	1	0	0	0	0	0	92	28	32
22:00	0	0	0	12	23	9	3	1	0	0	0	0	0	0	48	29	33
23:00	0	0	0	7	20	8	5	0	0	0	0	0	0	0	40	29	34
Total	2	11	34	906	2460	1343	387	64	20	5	1	4	0	0	5237		
Percent	0.0%	0.2%	0.6%	17.3%	47.0%	25.6%	7.4%	1.2%	0.4%	0.1%	0.0%	0.1%	0.0%	0.0%			
AM Peak	10:00	06:00	08:00	07:00	07:00	07:00	07:00	09:00	08:00	08:00		07:00			07:00		
Vol.	1	1	4	65	258	174	34	8	3	2		2			541		
PM Peak		14:00	20:00	17:00	15:00	15:00	15:00	14:00	12:00		16:00	17:00			15:00		
Vol.		3	5	100	266	122	40	5	2		1	1			510		
Total	2	11	34	906	2460	1343	387	64	20	5	1	4	0	0	5237		
Percent	0.0%	0.2%	0.6%	17.3%	47.0%	25.6%	7.4%	1.2%	0.4%	0.1%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 37 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3803  
Percent in Pace : 72.6%  
Number of Vehicles > 25 MPH : 4284  
Percent of Vehicles > 25 MPH : 81.8%  
Mean Speed(Average) : 29 MPH

## Crash Summary

### Loos Drive - Ranger Road to Long Look Drive

Data Period: 2019 - 2021

Total Crashes: 22

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3557298	8/29/2019	3:56 PM	2019	Loos Drive	Hoffman Road	-450	No Injury	Rear-end	Daylight	2	0	0	Yes
2	3506277	3/27/2019	1:25 PM	2019	Robert Road	Loos Drive	-20	No Injury	Rear-end	Daylight	2	0	0	
3	3568055	10/9/2019	4:47 PM	2019	Loos Drive	Robert Road	0	Serious Injury	Left Turn	Daylight	2	1	0	
4	3532727	6/18/2019	4:31 PM	2019	Loos Drive	Miner Road	325	Minor Injury	Head-on	Daylight	3	2	0	Yes
5	3484469	1/31/2019	9:15 AM	2019	Loos Drive	Tonto Way	0	No Injury	Angle	Daylight	2	0	0	
6	3557314	8/15/2019	3:36 PM	2019	Loos Drive	Tonto Way	0	No Injury	Angle	Daylight	2	0	0	
7	3547026	7/19/2019	9:52 AM	2019	Loos Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
8	3558756	9/17/2019	1:35 PM	2019	Windsong Drive	Long Look Drive	-25	No Injury	Rear-end	Daylight	2	0	0	Yes
9	3703507	11/6/2020	9:58 PM	2020	Katie Circle	Loos Drive	20	No Injury	Angle	Dark Not Lighted	2	0	0	
10	3657839	6/24/2020	7:22 PM	2020	Navajo Drive	Ranger Road	-35	Minor Injury	Single Vehicle	Dusk	1	1	0	Yes
11	3657842	6/24/2020	3:28 PM	2020	Loos Drive	Robert Road	0	No Injury	Left Turn	Daylight	2	0	0	
12	3673646	8/14/2020	8:20 PM	2020	Loos Drive	Robert Road	0	Minor Injury	Left Turn	Dark Lighted	2	1	0	
13	3697713	10/24/2020	7:33 PM	2020	Loos Drive	Robert Road	0	No Injury	Left Turn	Dark Lighted	2	0	0	
14	3695100	10/21/2020	3:46 PM	2020	Loos Drive	Tonto Way	0	No Injury	Angle	Daylight	2	0	0	
15	3623235	2/4/2020	8:32 AM	2020	Windsong Drive	Loos Drive	0	No Injury	Left Turn	Daylight	2	0	0	
16	3700675	11/5/2020	2:48 PM	2020	Windsong Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
17	3665138	7/15/2020	4:52 PM	2020	Windsong Drive	Long Look Drive	-30	No Injury	Rear-end	Daylight	2	0	0	Yes
18	3744885	3/18/2021	6:39 PM	2021	Loos Drive	Robert Road	0	Possible Injury	Left Turn	Dusk	2	1	0	
19	3753999	4/7/2021	3:39 PM	2021	Robert Road	Loos Drive	0	Possible Injury	Left Turn	Daylight	3	1	0	
20	3809053	9/4/2021	2:50 PM	2021	Robert Road	Loos Drive	0	Possible Injury	Angle	Daylight	2	1	0	
21	3722803	1/10/2021	5:10 PM	2021	Loos Drive	Tonto Way	0	Minor Injury	Angle	Dusk	2	2	0	Yes
22	3771896	5/18/2021	4:07 PM	2021	Windsong Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	



# SPEED LIMIT STUDY

Prescott Valley, Arizona

February 2024



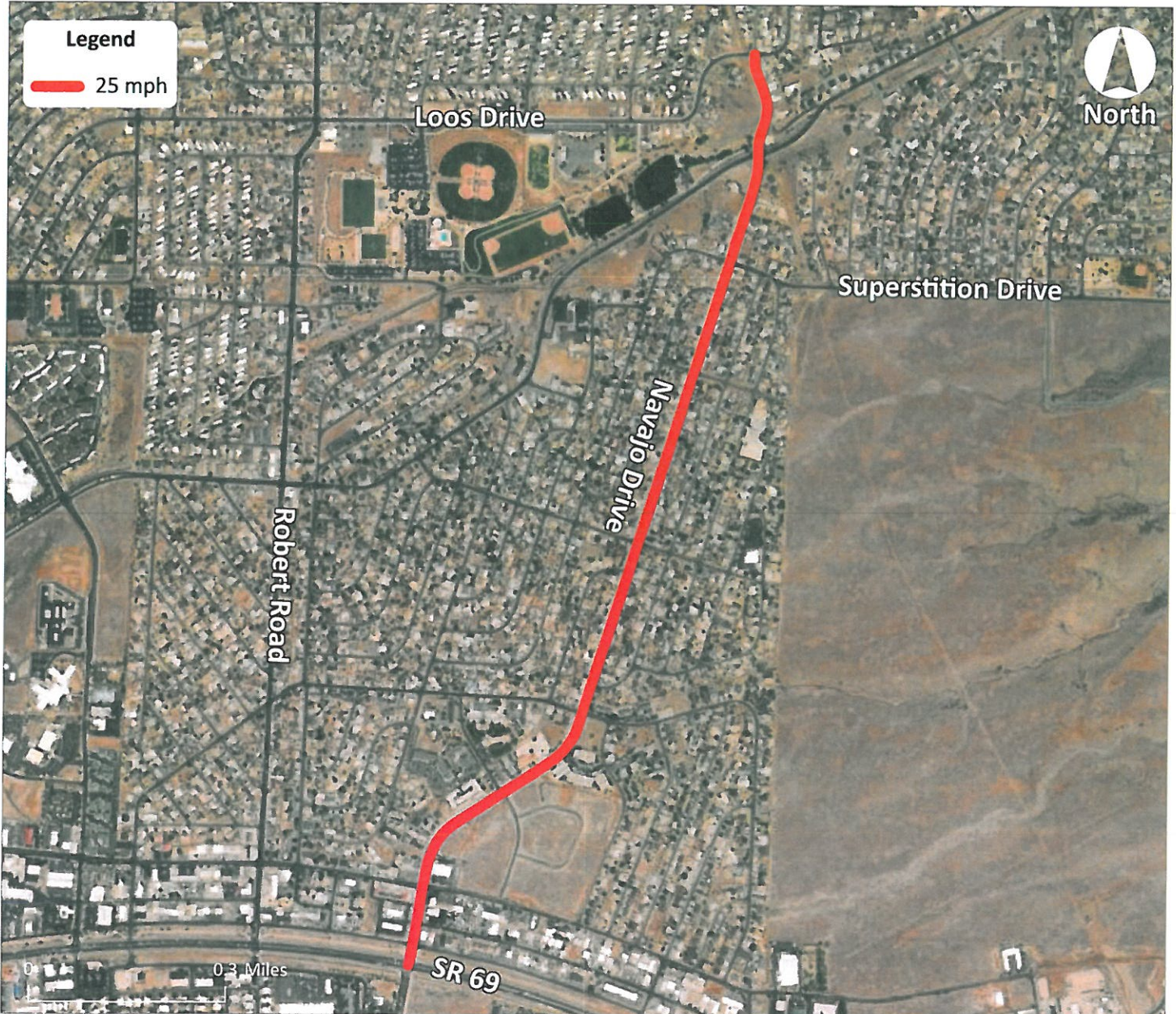
**Segment Studied:** Navajo Drive

**From:** Loos Drive

**To:** State Route 69

**Length:** 1.5 miles

## Study Area Map - Existing Speed Limits



**Introduction:**

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

**Roadway Characteristics:**

- Functional Classification:
  - Minor arterial, State Route 69 to Lakeshore Drive
  - Collector, Lakeshore Drive to Ranger Road
- Existing Speed Limit: 25 mph
- Two lanes in each direction mostly separated by a raised median from SR 69 to near Lakeshore Drive
- One lane in each direction separated by a double-yellow centerline, north of Lakeshore Drive
- Pavement width varies from about 30 to 70 feet
- Moderate horizontal and vertical curvature
- Guardrail on both sides of the roadway near Lakeshore Drive (north leg)
- Curb, gutter, street lighting, and sidewalk on both sides of the roadway between Lakeshore Drive and SR 69
- Shoulders about 5 feet wide mostly on both sides of the roadway between Lakeshore Drive and SR 69
- An uncontrolled crosswalk marked on the north leg of Lakeshore Drive

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Thursday, December 1, 2022, and Tuesday, May 30, 2023, at the following locations:

- Site A: Navajo Drive, about 550 feet north of Florentine Road
- Site B: Navajo Drive, about 680 feet north of Yavapai Road
- Site C: Navajo Drive, about 270 feet south of Flapjack Road
- Site D: Navajo Drive, about 370 feet north of Lakeshore Drive

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>Site A: 550 feet north of Florentine Road</i></b>			
Northbound	29 mph	32 mph	4,036
Southbound	33 mph	37 mph	4,179
Both Directions	31 mph	34 mph	8,215
<b><i>Site B: 680 feet north of Yavapai Road</i></b>			
Northbound	33 mph	37 mph	3,596
Southbound	28 mph	31 mph	3,576
Both Directions	31 mph	34 mph	7,172
<b><i>Site C: 270 feet south of Flapjack Road</i></b>			
Northbound	32 mph	35 mph	3,374
Southbound	28 mph	32 mph	3,299
Both Directions	30 mph	34 mph	6,673
<b><i>Site D: 370 feet north of Lakeshore Drive</i></b>			
Northbound	27 mph	29 mph	2,693
Southbound	32 mph	34 mph	2,341
Both Directions	29 mph	33 mph	5,034

- When considering both directions, average speeds ranged from 29 to 31 mph, above the existing 25-mph speed limit.
- 85th-percentile speeds were consistently 33 to 34 mph at all data collection sites.
- Some variability in speed by direction exists, but the higher-speed direction (northbound or southbound) varies along the corridor. This may be due to the locations of data collection relative to nearby traffic signals or other speed-limiting features.



**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	7	3	0	10	4
2020	8	7	0	15	6
2021	6	2	0	8	1
<b>Total</b>	<b>21</b>	<b>12</b>	<b>0</b>	<b>33</b>	<b>11</b>

- 33 crashes were reported, an average of about 11 crashes per year.
- 10 minor injury crashes and 2 possible injury crashes were reported.
- 3 of the 10 minor injury crashes and 1 of the 2 possible injury crashes were reported as speed-related crashes.
- Of the 33 crashes, 12 occurred at the SR 69 intersection; these crashes are not generally relevant to the speed limit on Navajo Drive. Of the 12 injury crashes, 6 occurred at the SR 69 intersection.
- Excluding the SR 69 crashes, the crash rate along the corridor is 177 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 51 per 100 MVM.
- The average crash rate for similar roadways is 250 per 100 MVM, and the average injury rate for similar roadways is 78 per 100 MVM.
- The crash rate along the corridor is 29% lower than the average rate on similar roadways. The injury rate along the corridor is 35% lower than the average injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R2 – Residential (Multiple Dwelling Units), and C2 – Commercial (General Sales & Services).
- Single-family homes front the street north of Yavapai Road.
- Retail, church, services, and apartments are present near the roadway, primarily south of Yavapai Road.

**Speed Limit Recommendation:**

Retain the existing 25-mph speed limit, for the following reasons:

- Both the crash and injury rates are below the average of other similar roadways.
- Actual travel speeds indicate that most drivers throughout the corridor are comfortable traveling at or above the existing 25-mph speed limit. Reducing the speed limit would not be consistent with drivers' speed choices.
- When considering only the 85th-percentile speed, it might be justifiable to increase the speed limit to 30 or 35 mph.

- However, when considering the presence of front-facing residential homes and the conflict points associated with them, a speed limit of 25 mph is common.
- Sight distance from intersections and driveways is aided by the presence of the shoulder, which positions through traffic slightly farther from the curb and affords a clearer view of oncoming traffic than would otherwise be possible.
- While not designated as a bike lane, the shoulder provides a space for cyclists out of the stream of through traffic and pedestrians, improving cyclist comfort and safety.

### Recommended Action Item:

- Signs such as shown in the image below were observed along the corridor. This is not a standard sign in the *Manual on Uniform Traffic Control Devices*, and it is not clear what the signs are attempting to communicate. The lane configuration of the street is clear from the pavement markings, and the signs do not appear to be necessary. The town should consider them for removal.



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-087  
Navajo Dr btwn Bob Dr & Florentine Rd  
34.588604, -112.317013  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	010	1115	1620	2125	2630	3135	3640	4145	4650	5155	5660	6165	6670	7171	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	5	11	5	1	0	0	0	0	0	0	0	22	28	32
01:00	0	0	0	2	3	1	0	0	0	0	0	0	0	0	6	27	30
02:00	0	0	0	1	5	2	0	0	0	0	0	0	0	0	8	29	32
03:00	0	0	1	1	5	1	0	0	0	0	0	0	0	0	8	27	29
04:00	0	0	0	3	3	2	0	0	0	0	0	0	0	0	8	27	32
05:00	0	0	0	2	11	4	0	0	0	0	0	0	0	0	17	29	31
06:00	0	0	0	8	36	23	6	0	0	0	0	0	0	0	73	30	33
07:00	0	0	0	19	66	28	6	0	0	0	0	0	0	0	119	29	32
08:00	0	0	1	28	96	40	3	0	0	0	0	0	0	0	168	28	32
09:00	0	0	0	29	111	46	4	0	0	0	0	0	0	0	190	29	32
10:00	0	0	1	24	132	47	2	0	0	0	0	0	0	0	206	29	31
11:00	0	0	5	28	166	80	7	0	0	0	0	0	0	0	286	29	32
12 PM	0	0	1	31	157	88	7	0	0	0	0	0	0	0	284	29	32
13:00	0	0	1	39	148	79	5	0	0	0	0	0	0	0	272	29	32
14:00	0	0	1	32	198	90	8	0	0	0	0	0	0	0	329	29	32
15:00	0	0	1	60	209	107	5	1	0	0	0	0	0	0	383	29	32
16:00	0	0	1	42	213	125	8	1	0	0	0	0	0	0	390	29	33
17:00	0	0	2	40	215	106	9	0	0	0	0	0	0	0	372	29	32
18:00	0	0	1	46	154	76	9	0	0	0	0	0	0	0	286	29	32
19:00	0	0	1	45	132	55	3	0	0	0	0	0	0	0	236	28	32
20:00	0	1	0	31	88	21	2	1	0	0	0	0	0	0	144	28	30
21:00	0	0	3	39	59	26	3	1	1	0	0	0	0	0	132	28	32
22:00	0	0	0	8	42	10	1	0	0	0	0	0	0	0	61	28	30
23:00	0	0	0	7	20	8	1	0	0	0	0	0	0	0	36	28	32
Total	0	1	20	570	2280	1070	90	4	1	0	0	0	0	0	4036		
Percent	0.0%	0.0%	0.5%	14.1%	56.5%	26.5%	2.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak			11:00	09:00	11:00	11:00	11:00								11:00		
Vol.			5	29	166	80	7								286		
PM Peak		20:00	21:00	15:00	17:00	16:00	17:00	15:00	21:00						16:00		
Vol.		1	3	60	215	125	9	1	1						390		
Total	0	1	20	570	2280	1070	90	4	1	0	0	0	0	0	4036		
Percent	0.0%	0.0%	0.5%	14.1%	56.5%	26.5%	2.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 28 MPH  
85th Percentile : 32 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3350  
Percent in Pace : 83.0%  
Number of Vehicles > 25 MPH : 3445  
Percent of Vehicles > 25 MPH : 85.4%  
Mean Speed(Average) : 29 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 2

Site Code: Tues 05/30/23  
Station ID: 23-1225-087  
Navajo Dr btwn Bob Dr & Florentine Rd  
34.588604, -112.317013  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	010	1115	1620	2125	2630	3135	3640	4145	4650	5155	5660	6165	6670	7171	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	2	0	3	1	0	0	0	0	0	0	0	6	31	35
01:00	0	0	0	1	4	6	0	0	0	0	0	0	0	0	11	30	33
02:00	0	0	1	0	4	10	2	0	1	0	0	0	0	0	18	32	35
03:00	0	0	0	2	5	8	7	0	1	0	0	0	0	0	23	33	38
04:00	0	0	1	1	15	30	19	5	4	1	1	0	0	0	77	35	39
05:00	0	0	0	3	25	59	38	10	0	0	1	0	0	0	136	34	38
06:00	0	0	2	1	25	109	60	10	3	0	0	0	0	0	210	34	38
07:00	0	0	1	3	92	159	78	9	3	0	0	0	0	0	345	33	37
08:00	0	1	2	16	105	143	65	10	1	0	0	0	0	0	343	32	36
09:00	0	1	0	13	86	148	41	13	0	0	0	0	0	0	302	32	36
10:00	0	1	0	4	101	113	48	6	1	0	1	0	0	0	275	32	36
11:00	0	0	4	8	71	107	57	15	1	0	1	0	0	0	264	33	38
12 PM	0	1	1	3	77	137	63	10	2	0	0	0	0	0	294	33	37
13:00	0	2	2	8	77	133	44	7	2	0	0	0	0	0	275	32	36
14:00	0	0	1	10	75	98	50	10	2	0	0	0	0	0	246	33	37
15:00	0	1	4	12	80	146	30	8	0	0	0	0	0	0	281	32	34
16:00	0	2	3	6	66	122	55	8	1	0	0	0	0	0	263	33	37
17:00	0	0	2	12	59	116	46	6	0	0	0	0	0	0	241	32	36
18:00	0	0	1	6	61	85	31	8	1	0	0	0	0	0	193	32	36
19:00	0	0	2	11	59	61	19	7	0	0	0	0	0	0	159	31	35
20:00	0	0	2	11	42	28	9	2	2	1	0	0	0	0	97	31	34
21:00	0	0	2	3	29	23	8	1	0	0	0	0	0	0	66	31	34
22:00	0	1	0	2	13	13	3	1	0	1	0	0	0	0	34	31	34
23:00	0	0	0	0	8	8	4	0	0	0	0	0	0	0	20	32	36
Total	0	10	31	138	1179	1865	778	146	25	3	4	0	0	0	4179		
Percent	0.0%	0.2%	0.7%	3.3%	28.2%	44.6%	18.6%	3.5%	0.6%	0.1%	0.1%	0.0%	0.0%	0.0%			
AM Peak		08:00	11:00	08:00	08:00	07:00	07:00	11:00	04:00	04:00	04:00				07:00		
Vol.		1	4	16	105	159	78	15	4	1	1				345		
PM Peak		13:00	15:00	15:00	15:00	15:00	12:00	12:00	12:00	20:00					12:00		
Vol.		2	4	12	80	146	63	10	2	1					294		
Total	0	10	31	138	1179	1865	778	146	25	3	4	0	0	0	4179		
Percent	0.0%	0.2%	0.7%	3.3%	28.2%	44.6%	18.6%	3.5%	0.6%	0.1%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 37 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3044  
Percent in Pace : 72.8%  
Number of Vehicles > 25 MPH : 4000  
Percent of Vehicles > 25 MPH : 95.7%  
Mean Speed(Average) : 33 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-087  
Navajo Dr btwn Bob Dr & Florentine Rd  
34.588604, -112.317013  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	7	11	8	2	0	0	0	0	0	0	0	28	29	33
01:00	0	0	0	3	7	7	0	0	0	0	0	0	0	0	17	29	33
02:00	0	0	1	1	9	12	2	0	1	0	0	0	0	0	26	31	34
03:00	0	0	1	3	10	9	7	0	1	0	0	0	0	0	31	32	37
04:00	0	0	1	4	18	32	19	5	4	1	1	0	0	0	85	34	39
05:00	0	0	0	5	36	63	38	10	0	0	1	0	0	0	153	34	38
06:00	0	0	2	9	61	132	66	10	3	0	0	0	0	0	283	33	37
07:00	0	0	1	22	158	187	84	9	3	0	0	0	0	0	464	32	36
08:00	0	1	3	44	201	183	68	10	1	0	0	0	0	0	511	31	35
09:00	0	1	0	42	197	194	45	13	0	0	0	0	0	0	492	31	34
10:00	0	1	1	28	233	160	50	6	1	0	1	0	0	0	481	31	34
11:00	0	0	9	36	237	187	64	15	1	0	1	0	0	0	550	31	34
12 PM	0	1	2	34	234	225	70	10	2	0	0	0	0	0	578	31	34
13:00	0	2	3	47	225	212	49	7	2	0	0	0	0	0	547	31	34
14:00	0	0	2	42	273	188	58	10	2	0	0	0	0	0	575	31	34
15:00	0	1	5	72	289	253	35	9	0	0	0	0	0	0	664	30	33
16:00	0	2	4	48	279	247	63	9	1	0	0	0	0	0	653	31	34
17:00	0	0	4	52	274	222	55	6	0	0	0	0	0	0	613	30	34
18:00	0	0	2	52	215	161	40	8	1	0	0	0	0	0	479	30	34
19:00	0	0	3	56	191	116	22	7	0	0	0	0	0	0	395	30	33
20:00	0	1	2	42	130	49	11	3	2	1	0	0	0	0	241	29	33
21:00	0	0	5	42	88	49	11	2	1	0	0	0	0	0	198	29	33
22:00	0	1	0	10	55	23	4	1	0	1	0	0	0	0	95	29	33
23:00	0	0	0	7	28	16	5	0	0	0	0	0	0	0	56	30	33
Total	0	11	51	708	3459	2935	868	150	26	3	4	0	0	0	8215		
Percent	0.0%	0.1%	0.6%	8.6%	42.1%	35.7%	10.6%	1.8%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		08:00	11:00	08:00	11:00	09:00	07:00	11:00	04:00	04:00	04:00				11:00		
Vol.		1	9	44	237	194	84	15	4	1	1				550		
PM Peak		13:00	15:00	15:00	15:00	15:00	12:00	12:00	12:00	20:00					15:00		
Vol.		2	5	72	289	253	70	10	2	1					664		
Total	0	11	51	708	3459	2935	868	150	26	3	4	0	0	0	8215		
Percent	0.0%	0.1%	0.6%	8.6%	42.1%	35.7%	10.6%	1.8%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 6394  
Percent in Pace : 77.8%  
Number of Vehicles > 25 MPH : 7445  
Percent of Vehicles > 25 MPH : 90.6%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 12/01/22  
Station ID: 22-1620-032  
Navajo Dr north of Yavapai Rd  
34.592923, -112.312744  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/01/22	0	0	0	0	7	5	1	2	1	0	0	0	0	0	16	33	41
01:00	0	0	0	0	3	6	3	2	0	0	0	0	0	0	14	34	39
02:00	0	0	0	1	5	6	1	2	0	0	0	0	0	0	15	32	38
03:00	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3	33	37
04:00	0	0	0	0	6	4	1	0	0	0	0	0	0	0	11	31	34
05:00	0	0	0	0	4	4	5	2	1	0	0	0	0	0	16	36	41
06:00	0	1	1	3	14	17	9	1	1	0	0	0	0	0	47	32	37
07:00	0	0	1	2	44	60	21	5	4	1	0	0	0	0	138	33	37
08:00	0	0	0	4	34	76	33	7	2	0	0	0	0	0	156	33	37
09:00	0	0	0	0	41	58	26	8	1	0	1	0	0	0	135	33	38
10:00	0	1	0	2	51	93	42	11	3	0	1	0	0	0	204	33	38
11:00	0	0	0	5	52	113	43	5	1	0	0	0	0	0	219	33	36
12 PM	0	0	0	6	58	107	48	11	1	0	0	0	0	0	231	33	37
13:00	0	0	0	0	52	140	35	6	0	1	0	0	0	0	234	33	35
14:00	0	0	0	0	44	131	66	21	4	0	0	0	0	0	266	34	38
15:00	0	0	1	3	69	187	77	13	2	0	0	0	0	0	352	33	37
16:00	0	0	0	9	106	206	69	7	3	1	0	0	0	0	401	33	36
17:00	0	0	0	14	110	167	56	6	3	0	0	0	0	0	356	32	36
18:00	0	0	0	6	84	129	46	6	2	0	0	0	0	0	273	32	36
19:00	0	0	1	7	46	98	20	1	0	0	0	0	0	0	173	32	34
20:00	0	0	0	4	35	78	21	3	0	0	0	0	0	0	141	32	35
21:00	0	0	0	2	31	46	24	7	1	0	0	0	0	0	111	33	38
22:00	0	0	0	3	20	18	8	3	0	0	0	0	0	0	52	32	36
23:00	0	0	0	2	4	18	7	1	0	0	0	0	0	0	32	33	37
Total	0	2	4	73	921	1768	663	130	30	3	2	0	0	0	3596		
Percent	0.0%	0.1%	0.1%	2.0%	25.6%	49.2%	18.4%	3.6%	0.8%	0.1%	0.1%	0.0%	0.0%	0.0%			
AM Peak		06:00	06:00	11:00	11:00	11:00	11:00	10:00	07:00	07:00	09:00				11:00		
Vol.		1	1	5	52	113	43	11	4	1	1				219		
PM Peak			15:00	17:00	17:00	16:00	15:00	14:00	14:00	13:00					16:00		
Vol.			1	14	110	206	77	21	4	1					401		
Total	0	2	4	73	921	1768	663	130	30	3	2	0	0	0	3596		
Percent	0.0%	0.1%	0.1%	2.0%	25.6%	49.2%	18.4%	3.6%	0.8%	0.1%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 27 MPH  
50th Percentile : 32 MPH  
85th Percentile : 37 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2689  
Percent in Pace : 74.8%  
Number of Vehicles > 25 MPH : 3517  
Percent of Vehicles > 25 MPH : 97.8%  
Mean Speed(Average) : 33 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-032  
Navajo Dr north of Yavapai Rd  
34.592923, -112.312744  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/01/22	0	0	0	1	6	1	0	0	0	0	0	0	0	0	8	28	29
01:00	0	0	0	1	6	1	0	0	0	0	0	0	0	0	8	28	29
02:00	0	0	0	3	8	3	0	0	0	0	0	0	0	0	14	28	31
03:00	0	1	0	4	8	2	0	0	0	0	0	0	0	0	15	26	29
04:00	0	0	0	11	18	16	4	0	0	0	0	0	0	0	49	29	33
05:00	0	0	0	17	62	19	4	0	0	0	0	0	0	0	102	28	32
06:00	0	1	2	34	98	23	6	1	0	0	0	0	0	0	165	28	31
07:00	0	0	0	49	203	56	13	0	0	0	0	0	0	0	321	29	31
08:00	0	0	1	41	156	40	8	1	0	0	0	0	0	0	247	28	31
09:00	0	0	0	61	117	30	5	0	0	0	0	0	0	0	213	28	30
10:00	0	0	0	44	151	50	7	0	0	0	0	0	0	0	252	28	31
11:00	0	0	0	46	122	65	6	0	0	0	0	0	0	0	239	29	32
12 PM	1	0	0	48	124	48	3	1	0	0	0	0	0	0	225	28	31
13:00	0	1	2	50	172	45	5	0	0	0	0	0	0	0	275	28	30
14:00	0	0	1	32	130	49	10	1	1	0	1	0	0	0	225	29	32
15:00	0	0	1	39	151	56	4	0	0	0	0	0	0	0	251	28	31
16:00	0	0	0	54	169	49	5	2	0	0	0	0	0	0	279	28	31
17:00	0	0	2	52	136	33	3	2	0	0	0	0	0	0	228	28	30
18:00	0	2	2	37	84	26	2	0	0	0	0	0	0	0	153	27	30
19:00	0	0	2	36	69	9	1	0	0	0	0	0	0	0	117	27	29
20:00	0	0	0	24	46	12	2	0	0	0	0	0	0	0	84	28	30
21:00	0	0	0	9	26	7	1	0	0	0	0	0	0	0	43	28	31
22:00	0	0	0	8	28	7	0	0	0	0	0	0	0	0	43	28	30
23:00	0	1	1	4	11	3	0	0	0	0	0	0	0	0	20	26	30
Total	1	6	14	705	2101	650	89	8	1	0	1	0	0	0	3576		
Percent	0.0%	0.2%	0.4%	19.7%	58.8%	18.2%	2.5%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		03:00	06:00	09:00	07:00	11:00	07:00	06:00								07:00	
Vol.		1	2	61	203	65	13	1								321	
PM Peak	12:00	18:00	13:00	16:00	13:00	15:00	14:00	16:00	14:00		14:00					16:00	
Vol.	1	2	2	54	172	56	10	2	1		1					279	
Total	1	6	14	705	2101	650	89	8	1	0	1	0	0	0	3576		
Percent	0.0%	0.2%	0.4%	19.7%	58.8%	18.2%	2.5%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 23 MPH  
50th Percentile : 27 MPH  
85th Percentile : 31 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 2806  
Percent in Pace : 78.5%  
Number of Vehicles > 25 MPH : 2850  
Percent of Vehicles > 25 MPH : 79.7%  
Mean Speed(Average) : 28 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-032  
Navajo Dr north of Yavapai Rd  
34.592923, -112.312744  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
12/01/22	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
12:00	0	0	0	1	13	6	1	2	1	0	0	0	0	0	24	32	37
01:00	0	0	0	1	9	7	3	2	0	0	0	0	0	0	22	32	37
02:00	0	0	0	4	13	9	1	2	0	0	0	0	0	0	29	30	34
03:00	0	1	0	4	9	3	1	0	0	0	0	0	0	0	18	27	32
04:00	0	0	0	11	24	20	5	0	0	0	0	0	0	0	60	30	34
05:00	0	0	0	17	66	23	9	2	1	0	0	0	0	0	118	29	33
06:00	0	2	3	37	112	40	15	2	1	0	0	0	0	0	212	29	33
07:00	0	0	1	51	247	116	34	5	4	1	0	0	0	0	459	30	33
08:00	0	0	1	45	190	116	41	8	2	0	0	0	0	0	403	30	34
09:00	0	0	0	61	158	88	31	8	1	0	1	0	0	0	348	30	34
10:00	0	1	0	46	202	143	49	11	3	0	1	0	0	0	456	31	34
11:00	0	0	0	51	174	178	49	5	1	0	0	0	0	0	458	31	34
12 PM	1	0	0	54	182	155	51	12	1	0	0	0	0	0	456	31	34
13:00	0	1	2	50	224	185	40	6	0	1	0	0	0	0	509	30	34
14:00	0	0	1	32	174	180	76	22	5	0	1	0	0	0	491	32	36
15:00	0	0	2	42	220	243	81	13	2	0	0	0	0	0	603	31	35
16:00	0	0	0	63	275	255	74	9	3	1	0	0	0	0	680	31	34
17:00	0	0	2	66	246	200	59	8	3	0	0	0	0	0	584	30	34
18:00	0	2	2	43	168	155	48	6	2	0	0	0	0	0	426	31	34
19:00	0	0	3	43	115	107	21	1	0	0	0	0	0	0	290	30	33
20:00	0	0	0	28	81	90	23	3	0	0	0	0	0	0	225	31	34
21:00	0	0	0	11	57	53	25	7	1	0	0	0	0	0	154	32	36
22:00	0	0	0	11	48	25	8	3	0	0	0	0	0	0	95	30	34
23:00	0	1	1	6	15	21	7	1	0	0	0	0	0	0	52	31	35
Total	1	8	18	778	3022	2418	752	138	31	3	3	0	0	0	7172		
Percent	0.0%	0.1%	0.3%	10.8%	42.1%	33.7%	10.5%	1.9%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		06:00	06:00	09:00	07:00	11:00	10:00	10:00	07:00	07:00	09:00				07:00		
Vol.		2	3	61	247	178	49	11	4	1	1				459		
PM Peak	12:00	18:00	19:00	17:00	16:00	16:00	15:00	14:00	14:00	13:00	14:00				16:00		
Vol.	1	2	3	66	275	255	81	22	5	1	1				680		
Total	1	8	18	778	3022	2418	752	138	31	3	3	0	0	0	7172		
Percent	0.0%	0.1%	0.3%	10.8%	42.1%	33.7%	10.5%	1.9%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 5440  
Percent in Pace : 75.9%  
Number of Vehicles > 25 MPH : 6367  
Percent of Vehicles > 25 MPH : 88.8%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-088  
Navajo Dr btwn Flapjack Rd & Sommer Dr  
34.598088, -112.310781  
Latitude: 0' 0.0000 Undefined

## Northbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	1	10	8	2	0	1	0	0	0	0	0	22	31	34
01:00	0	0	0	1	1	2	0	0	0	0	0	0	0	0	4	29	33
02:00	0	0	0	1	1	4	0	0	0	0	0	0	0	0	6	30	33
03:00	0	0	0	1	2	4	0	1	0	0	0	0	0	0	8	32	34
04:00	0	0	0	0	4	3	1	0	0	0	0	1	0	0	9	35	38
05:00	0	0	0	0	7	6	3	0	1	0	0	0	0	0	17	33	37
06:00	0	0	0	1	13	35	14	4	2	0	0	0	0	0	69	34	38
07:00	0	0	0	5	21	61	15	6	1	0	0	0	0	0	109	33	36
08:00	0	1	1	5	44	61	15	3	0	0	1	0	0	0	131	32	34
09:00	0	1	2	4	59	72	23	3	0	0	0	0	0	0	164	32	35
10:00	0	0	0	6	52	97	15	5	3	0	0	0	0	0	178	32	34
11:00	0	0	0	6	77	99	33	11	4	1	1	0	0	0	232	33	37
12 PM	0	0	0	5	84	115	32	6	2	0	0	0	0	0	244	32	35
13:00	0	0	0	5	81	96	27	4	1	0	0	0	0	0	214	32	34
14:00	0	1	2	10	83	126	39	3	3	0	0	0	0	0	267	32	35
15:00	0	0	0	10	113	123	27	8	1	1	0	0	0	0	283	32	34
16:00	0	0	0	5	91	180	41	7	1	1	0	0	0	0	326	32	35
17:00	0	0	2	10	93	175	37	5	0	0	0	0	0	0	322	32	34
18:00	0	0	0	3	76	107	41	10	6	0	0	0	0	0	243	33	37
19:00	0	0	1	7	77	84	20	10	0	0	0	0	0	0	199	32	35
20:00	0	0	0	11	60	48	11	2	1	0	0	0	0	0	133	31	34
21:00	0	0	2	11	41	37	11	3	0	0	1	0	0	0	106	31	34
22:00	0	0	0	0	24	23	2	4	0	0	0	0	0	0	53	32	34
23:00	0	0	1	2	12	13	5	1	1	0	0	0	0	0	35	32	36
Total	0	3	11	110	1126	1579	414	96	28	3	3	1	0	0	3374		
Percent	0.0%	0.1%	0.3%	3.3%	33.4%	46.8%	12.3%	2.8%	0.8%	0.1%	0.1%	0.0%	0.0%	0.0%			
AM Peak		08:00	09:00	10:00	11:00	11:00	11:00	11:00	11:00	11:00	08:00	04:00			11:00		
Vol.		1	2	6	77	99	33	11	4	1	1	1			232		
PM Peak		14:00	14:00	20:00	15:00	16:00	16:00	18:00	18:00	15:00	21:00				16:00		
Vol.		1	2	11	113	180	41	10	6	1	1				326		
Total	0	3	11	110	1126	1579	414	96	28	3	3	1	0	0	3374		
Percent	0.0%	0.1%	0.3%	3.3%	33.4%	46.8%	12.3%	2.8%	0.8%	0.1%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 35 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2705  
Percent in Pace : 80.2%  
Number of Vehicles > 25 MPH : 3250  
Percent of Vehicles > 25 MPH : 96.3%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-088  
Navajo Dr btwn Flapjack Rd & Sommer Dr  
34.598088, -112.310781  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4	27	29
01:00	0	0	0	5	3	2	0	0	0	0	0	0	0	0	10	27	31
02:00	0	0	0	6	6	4	1	0	0	0	0	0	0	0	17	28	33
03:00	0	0	0	5	8	2	0	0	0	0	0	0	0	0	15	27	29
04:00	0	0	0	18	29	7	0	1	0	0	0	0	0	0	55	27	29
05:00	0	0	0	13	60	25	2	0	0	0	0	0	0	0	100	29	32
06:00	0	0	0	15	86	57	6	1	0	0	0	0	0	0	165	30	33
07:00	0	0	2	30	174	79	9	0	0	0	0	0	0	0	294	29	32
08:00	0	1	2	59	157	28	6	1	0	0	0	0	0	0	254	28	29
09:00	0	0	0	49	142	37	6	0	0	0	0	0	0	0	234	28	31
10:00	0	0	0	41	142	41	6	0	0	0	0	0	0	0	230	28	31
11:00	0	0	0	46	134	37	4	1	0	0	0	0	0	0	222	28	31
12 PM	0	0	2	31	134	41	4	3	0	0	0	0	0	0	215	29	31
13:00	0	0	1	40	129	33	4	0	0	0	0	0	0	0	207	28	30
14:00	0	0	0	34	104	38	10	0	0	0	0	0	0	0	186	29	32
15:00	0	0	0	21	120	63	7	0	0	0	0	0	0	0	211	29	33
16:00	0	0	0	30	125	44	14	1	0	0	0	0	0	0	214	29	33
17:00	0	0	0	41	107	57	3	2	0	0	0	0	0	0	210	29	32
18:00	0	1	1	27	91	39	4	0	0	0	0	0	0	0	163	28	32
19:00	0	0	1	26	68	13	3	2	0	0	0	0	0	0	113	28	30
20:00	0	0	2	32	48	8	0	0	1	0	0	0	0	0	91	27	29
21:00	0	0	1	14	25	7	1	0	0	0	0	0	0	0	48	27	30
22:00	0	0	0	9	10	3	1	0	0	0	0	0	0	0	23	27	30
23:00	0	0	0	5	7	6	0	0	0	0	0	0	0	0	18	28	32
Total	0	2	12	598	1912	671	91	12	1	0	0	0	0	0	3299		
Percent	0.0%	0.1%	0.4%	18.1%	58.0%	20.3%	2.8%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		08:00	07:00	08:00	07:00	07:00	07:00	04:00							07:00		
Vol.		1	2	59	174	79	9	1							294		
PM Peak		18:00	12:00	17:00	12:00	15:00	16:00	12:00	20:00						12:00		
Vol.		1	2	41	134	63	14	3	1						215		
Total	0	2	12	598	1912	671	91	12	1	0	0	0	0	0	3299		
Percent	0.0%	0.1%	0.4%	18.1%	58.0%	20.3%	2.8%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 27 MPH  
85th Percentile : 32 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2583  
Percent in Pace : 78.3%  
Number of Vehicles > 25 MPH : 2687  
Percent of Vehicles > 25 MPH : 81.4%  
Mean Speed(Average) : 28 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 3

Site Code: Tues 05/30/23  
Station ID: 23-1225-088  
Navajo Dr btwn Flapjack Rd & Sommer Dr  
34.598088, -112.310781  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	2	13	8	2	0	1	0	0	0	0	0	26	31	34
01:00	0	0	0	6	4	4	0	0	0	0	0	0	0	0	14	27	32
02:00	0	0	0	7	7	8	1	0	0	0	0	0	0	0	23	29	33
03:00	0	0	0	6	10	6	0	1	0	0	0	0	0	0	23	29	32
04:00	0	0	0	18	33	10	1	1	0	0	0	1	0	0	64	28	31
05:00	0	0	0	13	67	31	5	0	1	0	0	0	0	0	117	29	33
06:00	0	0	0	16	99	92	20	5	2	0	0	0	0	0	234	31	34
07:00	0	0	2	35	195	140	24	6	1	0	0	0	0	0	403	30	33
08:00	0	2	3	64	201	89	21	4	0	0	1	0	0	0	385	29	33
09:00	0	1	2	53	201	109	29	3	0	0	0	0	0	0	398	29	33
10:00	0	0	0	47	194	138	21	5	3	0	0	0	0	0	408	30	33
11:00	0	0	0	52	211	136	37	12	4	1	1	0	0	0	454	30	34
12 PM	0	0	2	36	218	156	36	9	2	0	0	0	0	0	459	30	34
13:00	0	0	1	45	210	129	31	4	1	0	0	0	0	0	421	30	33
14:00	0	1	2	44	187	164	49	3	3	0	0	0	0	0	453	31	34
15:00	0	0	0	31	233	186	34	8	1	1	0	0	0	0	494	31	34
16:00	0	0	0	35	216	224	55	8	1	1	0	0	0	0	540	31	34
17:00	0	0	2	51	200	232	40	7	0	0	0	0	0	0	532	31	34
18:00	0	1	1	30	167	146	45	10	6	0	0	0	0	0	406	31	35
19:00	0	0	2	33	145	97	23	12	0	0	0	0	0	0	312	30	34
20:00	0	0	2	43	108	56	11	2	2	0	0	0	0	0	224	29	33
21:00	0	0	3	25	66	44	12	3	0	0	1	0	0	0	154	30	34
22:00	0	0	0	9	34	26	3	4	0	0	0	0	0	0	76	30	34
23:00	0	0	1	7	19	19	5	1	1	0	0	0	0	0	53	31	34
Total	0	5	23	708	3038	2250	505	108	29	3	3	1	0	0	6673		
Percent	0.0%	0.1%	0.3%	10.6%	45.5%	33.7%	7.6%	1.6%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		08:00	08:00	08:00	11:00	07:00	11:00	11:00	11:00	11:00	08:00	04:00			11:00		
Vol.		2	3	64	211	140	37	12	4	1	1	1			454		
PM Peak		14:00	21:00	17:00	15:00	17:00	16:00	19:00	18:00	15:00	21:00				16:00		
Vol.		1	3	51	233	232	55	12	6	1	1				540		
Total	0	5	23	708	3038	2250	505	108	29	3	3	1	0	0	6673		
Percent	0.0%	0.1%	0.3%	10.6%	45.5%	33.7%	7.6%	1.6%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 5288  
Percent in Pace : 79.2%  
Number of Vehicles > 25 MPH : 5937  
Percent of Vehicles > 25 MPH : 89.0%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 12/01/22  
Station ID: 22-1620-031  
Navajo Dr north of Lakeshore Dr  
34.604594, -112.308571  
Latitude: 0' 0.0000 Undefined

## Northbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
12/01/22	0	0	0	5	5	1	0	2	0	0	0	0	0	0	13	29	40
01:00	0	0	0	3	5	1	0	0	0	0	0	0	0	0	9	27	29
02:00	0	0	0	2	4	0	0	0	0	0	0	0	0	0	6	26	28
03:00	0	0	1	0	3	0	0	0	0	0	0	0	0	0	4	26	29
04:00	0	0	0	5	6	0	0	0	0	0	0	0	0	0	11	26	28
05:00	0	0	1	7	11	8	0	0	0	0	0	0	0	0	27	28	32
06:00	0	0	2	21	29	9	1	0	0	0	0	0	0	0	62	27	30
07:00	0	0	1	58	84	20	3	0	0	1	0	0	0	0	167	27	29
08:00	1	2	0	52	97	24	0	0	0	0	0	0	0	0	176	27	29
09:00	0	0	1	32	56	8	0	1	0	0	0	0	0	0	98	27	29
10:00	0	2	1	30	71	22	1	0	0	0	0	0	0	0	127	27	30
11:00	0	1	1	39	103	13	0	0	0	0	0	0	0	0	157	27	29
12 PM	0	1	2	34	91	25	3	0	0	1	0	0	0	0	157	28	31
13:00	0	0	0	38	112	31	1	0	0	0	0	0	1	0	183	28	30
14:00	0	0	1	47	127	28	5	1	0	0	0	0	0	0	209	28	30
15:00	0	0	2	51	160	35	2	0	1	0	0	0	1	0	252	28	30
16:00	1	0	0	64	155	39	1	0	0	1	0	0	0	0	261	28	30
17:00	0	1	2	78	142	25	2	0	1	0	0	1	0	0	252	27	29
18:00	0	0	0	62	98	11	2	0	0	0	0	0	0	0	173	27	29
19:00	0	0	7	58	58	6	0	0	0	0	0	0	0	0	129	25	28
20:00	0	0	0	40	44	12	0	0	0	0	0	0	0	0	96	27	29
21:00	0	0	1	24	41	3	0	0	0	1	0	0	0	0	70	27	29
22:00	0	0	1	12	20	3	0	0	0	0	0	0	0	0	36	26	29
23:00	0	0	0	5	7	6	0	0	0	0	0	0	0	0	18	28	32
Total	2	7	24	767	1529	330	21	4	2	4	0	1	2	0	2693		
Percent	0.1%	0.3%	0.9%	28.5%	56.8%	12.3%	0.8%	0.1%	0.1%	0.1%	0.0%	0.0%	0.1%	0.0%			
AM Peak	08:00	08:00	06:00	07:00	11:00	08:00	07:00	00:00		07:00					08:00		
Vol.	1	2	2	58	103	24	3	2		1					176		
PM Peak	16:00	12:00	19:00	17:00	15:00	16:00	14:00	14:00	15:00	12:00		17:00	13:00		16:00		
Vol.	1	1	7	78	160	39	5	1	1	1		1	1		261		
Total	2	7	24	767	1529	330	21	4	2	4	0	1	2	0	2693		
Percent	0.1%	0.3%	0.9%	28.5%	56.8%	12.3%	0.8%	0.1%	0.1%	0.1%	0.0%	0.0%	0.1%	0.0%			

15th Percentile : 22 MPH  
50th Percentile : 26 MPH  
85th Percentile : 29 MPH  
95th Percentile : 33 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 2296  
Percent in Pace : 85.3%  
Number of Vehicles > 25 MPH : 1893  
Percent of Vehicles > 25 MPH : 70.3%  
Mean Speed(Average) : 27 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-031  
Navajo Dr north of Lakeshore Dr  
34.604594, -112.308571  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/01/22	0	0	0	1	3	2	0	0	0	0	0	0	0	0	6	29	32
01:00	0	0	0	0	2	3	0	0	0	0	0	0	0	0	5	31	33
02:00	0	0	0	0	3	4	3	0	0	0	0	0	0	0	10	33	37
03:00	0	0	0	0	1	3	1	0	0	0	0	0	0	0	5	33	36
04:00	0	0	0	0	9	14	6	1	0	0	0	0	0	0	30	33	37
05:00	0	0	0	2	13	28	10	0	0	0	0	0	0	0	53	32	36
06:00	0	0	0	1	28	48	11	1	0	0	0	0	0	0	89	32	34
07:00	0	0	1	5	49	102	25	1	0	0	0	0	0	0	183	32	34
08:00	0	2	0	7	48	83	20	1	0	0	0	0	0	0	161	32	34
09:00	0	1	0	14	51	66	14	1	0	0	0	0	0	0	147	31	34
10:00	0	0	0	9	49	61	15	1	0	0	0	0	0	0	135	31	34
11:00	0	0	0	5	66	47	12	2	0	0	0	0	0	0	132	31	34
12 PM	0	1	0	10	50	75	16	1	0	0	0	0	0	0	153	31	34
13:00	0	0	0	8	40	70	18	0	0	0	0	0	0	0	136	32	34
14:00	0	0	0	3	48	92	18	0	0	0	0	0	0	0	161	32	34
15:00	0	0	0	11	88	107	23	1	0	0	0	2	0	0	232	31	34
16:00	0	0	0	6	74	104	17	3	0	1	0	1	0	0	206	32	34
17:00	0	0	0	8	73	71	16	1	0	1	0	0	0	0	170	31	34
18:00	0	0	0	6	35	56	11	0	0	1	0	0	0	0	109	32	34
19:00	0	0	0	3	35	32	8	0	0	0	1	0	0	0	79	31	34
20:00	0	0	0	2	22	24	5	2	0	0	0	0	0	0	55	31	34
21:00	0	0	0	5	9	17	7	2	0	0	0	0	0	0	40	32	37
22:00	0	0	0	0	8	17	6	1	0	0	0	0	0	0	32	33	36
23:00	0	0	0	0	2	8	1	1	0	0	0	0	0	0	12	33	35
Total	0	4	1	106	806	1134	263	20	0	3	1	3	0	0	2341		
Percent	0.0%	0.2%	0.0%	4.5%	34.4%	48.4%	11.2%	0.9%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%			
AM Peak		08:00	07:00	09:00	11:00	07:00	07:00	11:00								07:00	
Vol.		2	1	14	66	102	25	2								183	
PM Peak		12:00		15:00	15:00	15:00	15:00	16:00		16:00	19:00	15:00				15:00	
Vol.		1		11	88	107	23	3		1	1	2				232	
Total	0	4	1	106	806	1134	263	20	0	3	1	3	0	0	2341		
Percent	0.0%	0.2%	0.0%	4.5%	34.4%	48.4%	11.2%	0.9%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1940  
Percent in Pace : 82.9%  
Number of Vehicles > 25 MPH : 2230  
Percent of Vehicles > 25 MPH : 95.3%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-031  
Navajo Dr north of Lakeshore Dr  
34.604594, -112.308571  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/01/22	0	0	0	6	8	3	0	2	0	0	0	0	0	0	19	29	33
01:00	0	0	0	3	7	4	0	0	0	0	0	0	0	0	14	28	32
02:00	0	0	0	2	7	4	3	0	0	0	0	0	0	0	16	30	36
03:00	0	0	1	0	4	3	1	0	0	0	0	0	0	0	9	30	34
04:00	0	0	0	5	15	14	6	1	0	0	0	0	0	0	41	31	35
05:00	0	0	1	9	24	36	10	0	0	0	0	0	0	0	80	31	34
06:00	0	0	2	22	57	57	12	1	0	0	0	0	0	0	151	30	34
07:00	0	0	2	63	133	122	28	1	0	1	0	0	0	0	350	30	34
08:00	1	4	0	59	145	107	20	1	0	0	0	0	0	0	337	29	33
09:00	0	1	1	46	107	74	14	2	0	0	0	0	0	0	245	29	33
10:00	0	2	1	39	120	83	16	1	0	0	0	0	0	0	262	29	33
11:00	0	1	1	44	169	60	12	2	0	0	0	0	0	0	289	29	32
12 PM	0	2	2	44	141	100	19	1	0	1	0	0	0	0	310	29	33
13:00	0	0	0	46	152	101	19	0	0	0	0	0	1	0	319	30	33
14:00	0	0	1	50	175	120	23	1	0	0	0	0	0	0	370	30	33
15:00	0	0	2	62	248	142	25	1	1	0	0	2	1	0	484	30	33
16:00	1	0	0	70	229	143	18	3	0	2	0	1	0	0	467	29	33
17:00	0	1	2	86	215	96	18	1	1	1	0	1	0	0	422	29	32
18:00	0	0	0	68	133	67	13	0	0	1	0	0	0	0	282	29	32
19:00	0	0	7	61	93	38	8	0	0	0	1	0	0	0	208	28	32
20:00	0	0	0	42	66	36	5	2	0	0	0	0	0	0	151	28	32
21:00	0	0	1	29	50	20	7	2	0	1	0	0	0	0	110	29	33
22:00	0	0	1	12	28	20	6	1	0	0	0	0	0	0	68	30	34
23:00	0	0	0	5	9	14	1	1	0	0	0	0	0	0	30	30	34
Total	2	11	25	873	2335	1464	284	24	2	7	1	4	2	0	5034		
Percent	0.0%	0.2%	0.5%	17.3%	46.4%	29.1%	5.6%	0.5%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%			
AM Peak	08:00	08:00	06:00	07:00	11:00	07:00	07:00	00:00		07:00					07:00		
Vol.	1	4	2	63	169	122	28	2		1					350		
PM Peak	16:00	12:00	19:00	17:00	15:00	16:00	15:00	16:00	15:00	16:00	19:00	15:00	13:00		15:00		
Vol.	1	2	7	86	248	143	25	3	1	2	1	2	1		484		
Total	2	11	25	873	2335	1464	284	24	2	7	1	4	2	0	5034		
Percent	0.0%	0.2%	0.5%	17.3%	46.4%	29.1%	5.6%	0.5%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 36 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3799  
Percent in Pace : 75.5%  
Number of Vehicles > 25 MPH : 4123  
Percent of Vehicles > 25 MPH : 81.9%  
Mean Speed(Average) : 29 MPH



## Crash Summary

### Navajo Drive - Loos Drive to SR 69

Data Period: 2019 - 2021

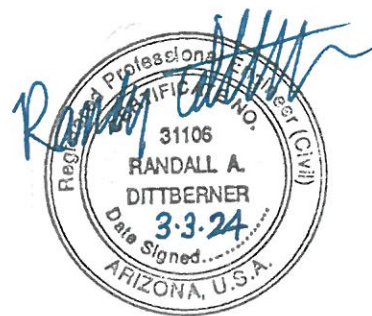
Total Crashes: 33

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3589559	11/8/2019	11:08 AM	2019	Navajo Drive	Lakeshore Drive	0	Minor Injury	Angle	Daylight	2	1	0	
2	3510547	4/7/2019	4:40 PM	2019	Navajo Drive	Superstition Drive	0	No Injury	Single Vehicle	Daylight	1	0	0	Yes
3	3510545	4/10/2019	11:12 AM	2019	Navajo Drive	Superstition Drive	-60	No Injury	Sideswipe	Daylight	2	0	0	
4	3579537	10/31/2019	3:51 PM	2019	Navajo Drive	Sommer Drive	0	No Injury	Single Vehicle	Dusk	1	0	0	
5	3517468	5/3/2019	3:02 PM	2019	Navajo Drive	Yavapai Road	0	No Injury	Angle	Daylight	2	0	0	
6	3533019	5/31/2019	5:08 PM	2019	SR-69	Navajo Drive	0	Minor Injury	Rear-end	Daylight	2	1	0	
7	3557316	8/10/2019	7:08 PM	2019	SR-69	Navajo Drive	0	No Injury	Left Turn	Daylight	2	0	0	
8	3538351	7/29/2019	4:52 PM	2019	SR-69	Navajo Drive	10	No Injury	Rear-end	Daylight	2	0	0	Yes
9	3502466	3/5/2019	7:07 PM	2019	SR-69	Navajo Drive	20	Minor Injury	Rear-end	Dark Not Lighted	2	3	0	Yes
10	3533021	5/28/2019	11:44 AM	2019	SR-69	Navajo Drive	40	No Injury	Rear-end	Daylight	2	0	0	Yes
11	3712850	12/10/2020	1:21 PM	2020	Lakeshore Drive	Navajo Drive	0	No Injury	Left Turn	Daylight	2	0	0	
12	3657839	6/24/2020	7:22 PM	2020	Navajo Drive	Ranger Road	-35	Minor Injury	Single Vehicle	Dusk	1	1	0	Yes
13	3672475	8/13/2020	6:36 AM	2020	Ranger Road	Navajo Drive	40	No Injury	Single Vehicle	Daylight	1	0	0	Yes
14	3637038	3/7/2020	3:57 AM	2020	Superstition Drive	Navajo Drive	50	No Injury	Single Vehicle	Dark Lighted	1	0	0	Yes
15	3650497	5/26/2020	12:16 PM	2020	Navajo Drive	Sommer Drive	0	No Injury	Left Turn	Daylight	2	0	0	
16	3688525	9/28/2020	2:46 PM	2020	Navajo Drive	Florentine Road	290	No Injury	Single Vehicle	Daylight	1	0	0	Yes
17	3646095	5/2/2020	2:21 PM	2020	Navajo Drive	Florentine Road	0	No Injury	Left Turn	Daylight	2	0	0	
18	3664577	7/17/2020	1:59 PM	2020	Navajo Drive	Florentine Road	0	Minor Injury	Angle	Daylight	2	1	0	
19	3674299	8/18/2020	3:21 PM	2020	Navajo Drive	Frontage Road	0	No Injury	Angle	Daylight	2	0	0	
20	3703508	11/9/2020	11:19 AM	2020	Navajo Drive	Frontage Road	0	No Injury	Angle	Daylight	2	0	0	
21	3671963	8/9/2020	7:12 PM	2020	Navajo Drive	SR-69	50	Possible Injury	Left Turn	Daylight	2	1	0	
22	3654652	6/12/2020	5:15 PM	2020	SR-69	Navajo Drive	0	Minor Injury	Angle	Daylight	2	1	0	
23	3671964	8/5/2020	7:04 PM	2020	SR-69	Navajo Drive	0	Minor Injury	Rear-end	Dusk	2	1	0	Yes
24	3646810	5/8/2020	10:03 AM	2020	SR-69	Navajo Drive	15	Minor Injury	Sideswipe	Daylight	2	1	0	
25	3657840	6/24/2020	9:37 PM	2020	SR-69	Navajo Drive	25	Possible Injury	Head-on	Dark Lighted	2	1	0	Yes
26	3824309	9/14/2021	11:29 AM	2021	Navajo Drive	Lakeshore Drive	0	No Injury	Sideswipe	Daylight	2	0	0	
27	3736573	2/20/2021	2:34 PM	2021	Navajo Drive	Superstition Drive	-30	Minor Injury	Left Turn	Daylight	2	1	0	
28	3744886	3/18/2021	6:20 PM	2021	Navajo Drive	Bob Drive	25	Minor Injury	Angle	Dusk	2	2	0	
29	3821541	10/5/2021	3:33 PM	2021	Florentine Road	Navajo Drive	0	No Injury	Angle	Daylight	2	0	0	
30	3811153	9/10/2021	9:00 AM	2021	Florentine Road	Navajo Drive	0	No Injury	Angle	Daylight	2	0	0	
31	3739818	3/8/2021	1:18 PM	2021	SR-69	Navajo Drive	0	No Injury	Angle	Daylight	2	0	0	
32	3782415	6/27/2021	6:50 PM	2021	SR-69	Navajo Drive	0	No Injury	Left Turn	Daylight	2	0	0	
33	3737891	2/28/2021	12:07 PM	2021	SR-69	Navajo Drive	40	No Injury	Rear-end	Daylight	2	0	0	Yes

# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



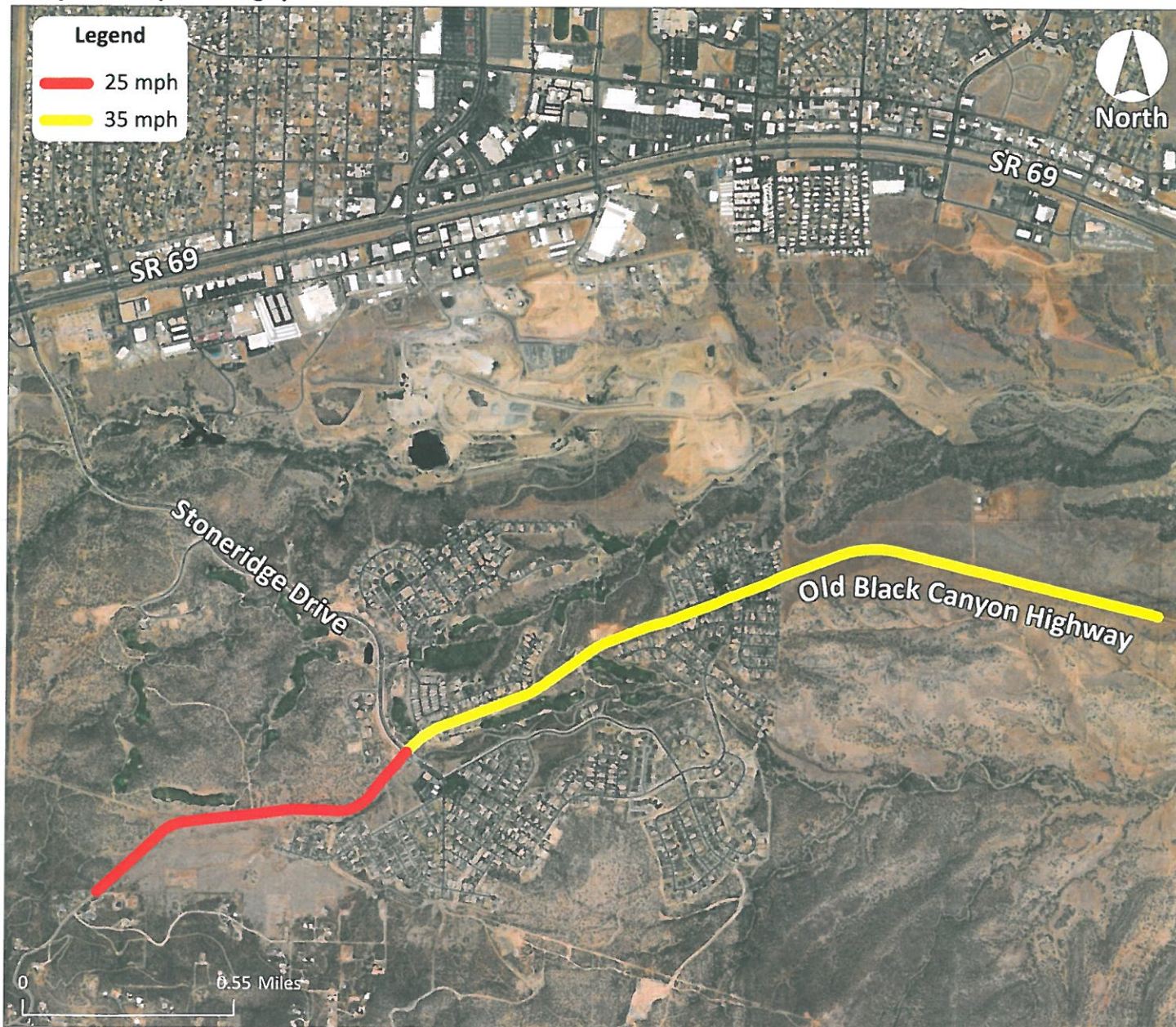
**Segment Studied:** Old Black Canyon Highway

**From:** Town Limits

**To:** East of Cloud Cliff Pass

**Length:** 3.1 miles

## Study Area Map - Existing Speed Limits





**Introduction:**

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

The western portion of Old Black Canyon Highway has been divided into the following three segments to reflect different conditions along portions of the corridor:

- Segment 1: Stoneridge Drive to west town limits
- Segment 2: Stoneridge Drive to about 850 feet East of Cloud Cliff Pass (end of existing pavement)
- Segment 3: About 850 feet East of Cloud Cliff Pass to east town limits

**Segment 1: Stoneridge Drive to West Town Limits**

**Roadway Characteristics:**

- Functional Classification: minor arterial
- Existing Speed Limit: 25 mph (unposted)
- Two-way undivided unpaved roadway, one lane in each direction
- Roadway width varies from about 25 to 35 feet
- Moderate horizontal curvature
- No curb, gutter, street lighting, bike lane, or sidewalk

**Data Collection:**

No traffic counts were collected.

**Speed and Traffic Volume:**

No speed or traffic volume was collected.

**Crash Analysis:**

Tabular crash information was queried from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). No crashes were identified.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R2 – Residential (Multiple Dwelling Units), and C1 – Commercial (Neighborhood Sales & Services).
- Vacant land near the roadway

**Speed Limit Recommendation:**

Retain the existing statutory speed limit, for the following reasons:

- The travel conditions on unpaved roads can vary considerably over time and along the length of a road. Posting a speed limit might encourage drivers to rely on the posted speed limit rather than exercise their own judgment to select an appropriate speed according to conditions.
- Current roadway conditions are consistent with the statutory 25-mph speed limit.
- Traffic volumes are very low.

**Recommended Action Items:**

- None.

**Segment 2: Stoneridge Drive to about 850 feet East of Cloud Cliff Pass**

**Roadway Characteristics:**

- Functional Classification: minor arterial
- Existing Speed Limit: 35 mph
- One lane in each direction separated by a double-yellow centerline
- Pavement width varies from about 25 to 70 feet to accommodate left- and right-turn lanes
- Slight horizontal curvature
- Guardrail, 200 feet in length, on the south side of the roadway starting about 0.25 miles east of Sterling Street
- No curb, gutter, or bike lane, but street lighting near intersections
- Old Black Canyon Multi-Use Path on the south side of the roadway, buffer-separated from the roadway
- Uncontrolled crosswalks are marked
- East of Segment 2, Old Black Canyon Highway is unpaved for a length of about 2 miles. Its alignment traverses through both the Town of Prescott Valley and unincorporated Yavapai County. The town and county are currently working on plans to pave the unpaved portion of the roadway. At each end of the now-unpaved segment, a series of two speed tables is proposed to be installed along with the paving work.

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Tuesday, May 30, 2023, a day when schools were not in session, at the following location:

- Old Black Canyon Highway, about 0.25 miles east of Sterling Street

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>0.25 miles east of Sterling Street</i></b>			
Eastbound	41 mph	44 mph	567
Westbound	41 mph	45 mph	567
Both Directions	41 mph	45 mph	1,134

- The average speed is 41 mph, above the existing 35-mph speed limit.
- The 85th-percentile speed is 45 mph.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	1	0	0	1	1
2020	1	0	0	1	0
2021	0	0	0	0	0
<b>Total</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>

- 2 crashes were reported, an average of about 0.7 crashes per year.
- No injury crashes occurred, and one of the 2 PDO crashes was reported as a speed-related crash.
- The crash rate along the segment is 151 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is zero crashes per 100 MVM.
- The average crash rate for similar roadways is 315 per 100 MVM, and the average injury rate for similar roadways is 75 per 100 MVM.
- The crash rate along the segment is 52% lower than the average rate on similar roadways. Because there were no injury crashes, the injury rate along the segment is 100% lower than the average injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R2 – Residential (Multiple Dwelling Units), and C1 – Commercial (Neighborhood Sales & Services).
- No single-family homes front the street.
- The street has excellent access management practices, with limited intersection spacing and no public driveways intersecting the street.

**Speed Limit Recommendation:**

Retain the existing 35-mph speed limit, for the following reasons:

- Based only on drivers' actual travel speeds, a speed limit of 40 mph or 45 mph might be justifiable, because the 85th percentile speed is exactly 45 mph. However, a speed limit posted above 35 mph is not consistent with the speed tables proposed at the eastern end of the segment in conjunction with the upcoming paving project. If the speed tables are not installed as planned, or if the speed tables are installed but later removed, the speed limit in this segment should be reconsidered.
- The low crash rates, excellent access management, limited roadside development, wide open roadside clear zones, and smooth horizontal and vertical curvature support existing travel speeds. Retaining a speed limit of 35 mph when actual travel speeds are much higher is likely to result in a large percentage of motorists exceeding the posted speed limit.
- No features of the roadway or traffic environment indicate a need to reduce the speed limit below the existing 35 mph.
- Horizontal curvature is comfortable at 35 mph, according to ball-bank indicator readings. The highest ball-bank indicator reading recorded was 6° at 35 mph.

**Recommended Action Items:**

- The westbound right-turn lane approaching Sterling Street is about 550 feet long, much longer than typical. The town may wish to consider adding one or more right-turn arrow pavement markings in this lane to ensure that approaching motorists are aware that it is intended for right turns only. This would be particularly helpful because horizontal curvature in this area conceals the intersection itself from approaching drivers.
- The town may wish to conduct another speed study of this segment of Old Black Canyon Highway about 6 months after the segment to the east has been paved to understand how the paving project affects local traffic patterns, including traffic speeds and volumes. It is likely that traffic volume will increase.
- Some agencies limit the use of speed tables to streets with speed limits posted 30 mph or below. However, it is not reasonable to post the entire length of Segment 2 of Old Black Canyon Highway at 30 mph because the speed tables are limited to such short sections, and the street has many other characteristics that support higher speeds. For this reason, it is essential that adequate warning is provided to motorists approaching the speed tables in both directions to ensure they are aware of the need to reduce their speed. The following actions should be considered:
  - The plans for construction of the speed tables include warning signs with the legend "SPEED HUMP AHEAD." Lee Engineering recommends instead using the legend "SPEED HUMPS." Omitting the word "AHEAD" will allow the text to be larger and easier to read at a greater distance. Using the plural is most appropriate because there are two speed humps in each series. The plural legend will help communicate that drivers should not resume their normal

speed after passing the first device. This sign legend more closely matches the standard W17-1 sign in the *Manual on Uniform Traffic Control Devices* (MUTCD).

- The plans do not show any advisory speed plaques associated with these warning signs. Advisory plaques are recommended to communicate to approaching motorists the significant speed reduction that could be needed. The speed posted on the advisory plaques should be based on the speed characteristics of the proposed speed tables.
- Alternatively, the town could consider incorporating the advisory speed in the body of the main warning sign and providing an advisory distance plaque (rounded to the nearest 100 feet).
- It appears that the area near the proposed speed tables will not have nearby streetlighting. As such, the devices may be difficult to see during hours of darkness, especially over time as the pavement markings fade. The town may wish to consider posting a SPEED HUMP warning sign with a diagonal downward arrow at the location of each speed table in each direction to help alert motorists to their presence. These signs may also help discourage motorists from deliberately leaving the pavement to circumvent the speed tables.
- Additional warning signs or other devices might also be indicated to help slow traffic approaching the speed tables in both directions.

### **Segment 3: About 850 feet East of Cloud Cliff Pass to East of Town Limits**

#### **Roadway Characteristics:**

- Functional Classification: minor arterial
- Existing Speed Limit: 35 mph
- Two-way undivided roadway, one lane in each direction
- Roadway width varies from about 30 to 50 feet
- Moderate horizontal curvature
- No curb, gutter, bike lane, street lighting, or sidewalk
- During the time of the field review and data collection conducted for this study, Old Black Canyon Highway was unpaved in and east of this segment for a length of about 2 miles. Its alignment traverses through both the Town of Prescott Valley and unincorporated Yavapai County. The town and county have implemented plans to pave the unpaved portion of the roadway. At each end of the newly paved segment, a series of two speed tables was included in the project plans along with the paving work.

#### **Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Wednesday, May 31, 2023, a day when schools were not in session, at the following location:

- Site A: Old Black Canyon Highway, about 0.8 miles east of Cloud Cliff Pass

The Town of Prescott Valley also provided traffic count and speed data collected between January 8 and January 14, 2024, after at least part of the paving project had been completed, at the following location:

- Site B: Old Black Canyon Highway at the western terminus of Yavapai County's maintenance, near the midpoint of the paving project



**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 3**. Complete results are attached.

**Table 3: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b>Site A: 0.8 miles east of Cloud Cliff Pass</b>			
Eastbound	35 mph	46 mph	28
Westbound	31 mph	40 mph	70
Both Directions	32 mph	42 mph	98
<b>Site B: Near midpoint of paving project</b>			
Eastbound	44 mph	51 mph	244
Westbound	43 mph	51 mph	232
Both Directions	44 mph	51 mph	476

- At Site A, the average speed prior to paving was 32 mph, slightly below the existing 35-mph speed limit. The 85th-percentile speed was 42 mph. Traffic volume was extremely low, just under 100 vehicles per day.
- At Site B, based on data recorded much later, average speeds have increased by about 12 mph and 85th percentile speeds by about 9 mph compared with data collected prior to paving. Average daily volumes increased by a factor of more than four.
- Even after the increases in traffic volume likely attributable to the paving project, traffic volume remains low. Many agencies consider traffic volumes less than 500 vehicles per day low enough that no volume-related mitigation is necessary or appropriate, even on local streets. Arterial streets such as Old Black Canyon Highway are intended to carry even more traffic.

**Crash Analysis:**

A summary of crashes is shown in **Table 4**. Complete crash data is attached.

**Table 4: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	1	0	0	1	1
2020	0	0	0	0	0
2021	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

## Speed Limit Study

- One crash was reported, an average of about 0.3 crashes per year.
- No injury crashes occurred, and the PDO crash was reported as a speed-related crash.
- While crash frequency is very low, the low traffic volume leads the crash rate along the segment to be elevated at 847 crashes per 100 million vehicle-miles traveled (MVM). The injury rate is zero per 100 MVM.
- The average crash rate for similar roadways is 118 per 100 MVM, and the average injury rate for similar roadways is 44 per 100 MVM. However, the critical crash rate is 1,061 per 100 MVM.
- The crash rate along the segment is a factor of 7.2 times higher than the average rate on similar roadways, but the crash rate is 20% lower than the critical crash rate on similar roadways. Because of the lack of injury crashes, the injury rate along the segment is 100% lower than the average injury rate on similar roadways.

### **Roadside Development and Environment:**

- Nearby zoning is RCU – Residential (Conditional Use Permits).
- The adjacent land is entirely undeveloped.

### **Speed Limit Recommendation:**

Lee Engineering recommends deferring a permanent speed limit change on this segment of Old Black Canyon Highway until the repaving project is complete. The existing 35-mph posted speed limit could remain in place immediately after paving, but a subsequent speed study, in conjunction with Yavapai County, should be conducted after the street has been paved for at least 6 months to understand how the paving project affects local traffic patterns, including traffic speeds and volumes. It is likely that traffic volumes and speed will increase considerably, likely even more than recorded in January 2024.

### **Recommended Action Items:**

- The recommendations shown above for Segment 2 also apply in Segment 3 once it is paved and the speed tables are installed.

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-074  
Old Black Canyon Highway east of  
Sterling St 34.566277, -112.335221  
Latitude: 0' 0.0000 Undefined

## Eastbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	41	43
01:00	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	53	54
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	41	43
05:00	0	0	0	0	0	0	1	2	0	0	0	0	0	0	3	41	43
06:00	0	0	0	0	0	0	3	1	0	0	0	0	0	0	4	39	42
07:00	0	0	0	0	0	7	3	2	2	0	0	0	0	0	14	38	44
08:00	0	0	0	0	2	1	4	5	4	0	0	0	0	0	16	40	47
09:00	0	0	0	0	0	4	16	9	2	1	0	0	0	0	32	40	44
10:00	0	0	0	0	0	8	20	12	3	2	0	0	0	0	45	40	44
11:00	0	0	0	0	0	3	22	13	3	4	0	0	0	0	45	41	45
12 PM	0	0	0	0	0	6	18	21	3	1	1	0	0	0	50	41	44
13:00	0	0	0	0	1	5	22	20	5	3	0	0	0	0	56	41	44
14:00	0	0	0	0	0	6	23	13	6	1	0	0	0	0	49	40	44
15:00	0	0	0	0	0	5	19	20	2	2	0	0	0	0	48	41	44
16:00	0	0	0	0	0	5	17	28	6	2	0	1	0	0	59	42	45
17:00	0	0	0	0	0	2	14	24	8	1	1	0	0	0	50	43	46
18:00	0	0	0	0	0	3	12	9	5	0	0	1	0	0	30	42	46
19:00	0	0	0	0	0	6	4	8	5	0	0	0	0	0	23	41	46
20:00	0	0	0	0	0	0	9	5	2	0	0	0	0	0	16	41	44
21:00	0	0	0	0	0	1	9	4	2	0	0	0	0	0	16	40	44
22:00	0	0	0	0	0	0	1	1	1	0	0	0	0	0	3	43	47
23:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	53	54
Total	0	0	0	0	3	63	219	199	59	20	2	2	0	0	567		
Percent	0.0%	0.0%	0.0%	0.0%	0.5%	11.1%	38.6%	35.1%	10.4%	3.5%	0.4%	0.4%	0.0%	0.0%			
AM Peak					08:00	10:00	11:00	11:00	08:00	11:00					10:00		
Vol.					2	8	22	13	4	4					45		
PM Peak					13:00	12:00	14:00	16:00	17:00	13:00	12:00	16:00			16:00		
Vol.					1	6	23	28	8	3	1	1			59		
Total	0	0	0	0	3	63	219	199	59	20	2	2	0	0	567		
Percent	0.0%	0.0%	0.0%	0.0%	0.5%	11.1%	38.6%	35.1%	10.4%	3.5%	0.4%	0.4%	0.0%	0.0%			

15th Percentile : 35 MPH  
50th Percentile : 39 MPH  
85th Percentile : 44 MPH  
95th Percentile : 49 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 418  
Percent in Pace : 73.7%  
Number of Vehicles > 35 MPH : 501  
Percent of Vehicles > 35 MPH : 88.4%  
Mean Speed(Average) : 41 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-074  
Old Black Canyon Highway east of  
Sterling St 34.566277, -112.335221  
Latitude: 0' 0.0000 Undefined

## Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
02:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	48	49
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
04:00	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2	43	48
05:00	0	0	0	0	0	0	6	4	1	0	1	0	0	0	12	42	45
06:00	0	0	0	1	0	1	6	7	5	0	0	0	0	0	20	41	47
07:00	0	0	0	0	0	4	17	19	6	3	0	0	0	0	49	42	46
08:00	0	0	0	0	0	6	22	14	6	2	0	0	0	0	50	41	45
09:00	0	0	0	0	0	6	16	17	2	2	0	0	0	0	43	40	44
10:00	0	0	0	0	0	6	17	12	6	1	1	0	0	0	43	41	46
11:00	0	0	0	1	1	5	31	20	6	0	1	0	0	0	65	40	44
12 PM	0	0	0	0	0	11	19	16	13	1	1	0	0	0	61	41	47
13:00	0	0	0	0	0	3	22	14	3	0	0	0	0	0	42	40	43
14:00	0	0	0	0	0	4	11	12	5	2	0	0	0	0	34	42	46
15:00	0	0	0	0	0	4	12	17	1	0	0	0	0	0	34	40	43
16:00	0	0	0	0	0	0	17	12	8	1	0	0	0	0	38	42	47
17:00	0	0	0	0	0	1	16	8	1	0	0	0	0	0	26	40	43
18:00	0	0	0	2	0	1	5	4	4	1	0	0	0	0	17	40	48
19:00	0	0	0	0	0	2	3	3	1	0	0	0	0	0	9	40	44
20:00	0	0	0	1	0	3	1	0	3	0	0	0	0	0	8	38	48
21:00	0	0	0	0	0	2	1	1	1	0	0	0	0	0	5	39	46
22:00	0	0	0	0	1	1	1	1	0	0	0	0	0	0	4	35	42
23:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2	38	43
Total	0	0	0	5	2	61	226	182	74	13	4	0	0	0	567		
Percent	0.0%	0.0%	0.0%	0.9%	0.4%	10.8%	39.9%	32.1%	13.1%	2.3%	0.7%	0.0%	0.0%	0.0%			
AM Peak				06:00	11:00	08:00	11:00	11:00	07:00	07:00	05:00				11:00		
Vol.				1	1	6	31	20	6	3	1				65		
PM Peak				18:00	22:00	12:00	13:00	15:00	12:00	14:00	12:00				12:00		
Vol.				2	1	11	22	17	13	2	1				61		
Total	0	0	0	5	2	61	226	182	74	13	4	0	0	0	567		
Percent	0.0%	0.0%	0.0%	0.9%	0.4%	10.8%	39.9%	32.1%	13.1%	2.3%	0.7%	0.0%	0.0%	0.0%			

15th Percentile : 35 MPH  
50th Percentile : 39 MPH  
85th Percentile : 45 MPH  
95th Percentile : 49 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 408  
Percent in Pace : 72.0%  
Number of Vehicles > 35 MPH : 499  
Percent of Vehicles > 35 MPH : 88.0%  
Mean Speed(Average) : 41 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-074  
Old Black Canyon Highway east of  
Sterling St 34.566277, -112.335221  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	41	43
01:00	0	0	0	0	0	0	1	0	0	2	0	0	0	0	3	48	53
02:00	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	41	48
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
04:00	0	0	0	0	0	0	2	1	1	0	0	0	0	0	4	42	47
05:00	0	0	0	0	0	0	7	6	1	0	1	0	0	0	15	42	44
06:00	0	0	0	1	0	1	9	8	5	0	0	0	0	0	24	41	46
07:00	0	0	0	0	0	11	20	21	8	3	0	0	0	0	63	41	45
08:00	0	0	0	0	2	7	26	19	10	2	0	0	0	0	66	41	46
09:00	0	0	0	0	0	10	32	26	4	3	0	0	0	0	75	40	44
10:00	0	0	0	0	0	14	37	24	9	3	1	0	0	0	88	40	44
11:00	0	0	0	1	1	8	53	33	9	4	1	0	0	0	110	40	44
12 PM	0	0	0	0	0	17	37	37	16	2	2	0	0	0	111	41	46
13:00	0	0	0	0	1	8	44	34	8	3	0	0	0	0	98	41	44
14:00	0	0	0	0	0	10	34	25	11	3	0	0	0	0	83	41	45
15:00	0	0	0	0	0	9	31	37	3	2	0	0	0	0	82	40	44
16:00	0	0	0	0	0	5	34	40	14	3	0	1	0	0	97	42	46
17:00	0	0	0	0	0	3	30	32	9	1	1	0	0	0	76	42	44
18:00	0	0	0	2	0	4	17	13	9	1	0	1	0	0	47	41	47
19:00	0	0	0	0	0	8	7	11	6	0	0	0	0	0	32	40	46
20:00	0	0	0	1	0	3	10	5	5	0	0	0	0	0	24	40	46
21:00	0	0	0	0	0	3	10	5	3	0	0	0	0	0	21	40	44
22:00	0	0	0	0	1	1	2	2	1	0	0	0	0	0	7	39	44
23:00	0	0	0	0	0	1	0	1	0	1	0	0	0	0	3	43	52
Total	0	0	0	5	5	124	445	381	133	33	6	2	0	0	1134		
Percent	0.0%	0.0%	0.0%	0.4%	0.4%	10.9%	39.2%	33.6%	11.7%	2.9%	0.5%	0.2%	0.0%	0.0%			
AM Peak				06:00	08:00	10:00	11:00	11:00	08:00	11:00	05:00				11:00		
Vol.				1	2	14	53	33	10	4	1				110		
PM Peak				18:00	13:00	12:00	13:00	16:00	12:00	13:00	12:00	16:00			12:00		
Vol.				2	1	17	44	40	16	3	2	1			111		
Total	0	0	0	5	5	124	445	381	133	33	6	2	0	0	1134		
Percent	0.0%	0.0%	0.0%	0.4%	0.4%	10.9%	39.2%	33.6%	11.7%	2.9%	0.5%	0.2%	0.0%	0.0%			

15th Percentile : 35 MPH  
50th Percentile : 39 MPH  
85th Percentile : 45 MPH  
95th Percentile : 49 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 826  
Percent in Pace : 72.8%  
Number of Vehicles > 35 MPH : 1000  
Percent of Vehicles > 35 MPH : 88.2%  
Mean Speed(Average) : 41 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23  
Station ID: 23-1225-073  
Old Black Canyon Highway east of Cloud  
Cliff Way 34.569650, -112.314570  
Latitude: 0' 0.0000 Undefined

Eastbound																	
Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/31/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
07:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
09:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
10:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
11:00	0	0	0	0	1	1	0	0	1	0	0	0	0	0	3	36	47
12 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
13:00	0	0	1	0	0	0	1	1	0	0	0	0	0	0	3	33	42
14:00	0	0	1	1	0	0	1	0	1	1	0	0	0	0	5	36	51
15:00	0	0	0	0	1	0	0	2	0	0	0	0	0	0	3	38	43
16:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	28	29
17:00	0	0	0	1	0	0	0	0	1	0	0	0	0	0	2	36	48
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
19:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
20:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
21:00	0	0	0	1	1	0	0	1	0	0	0	0	0	0	3	31	42
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
23:00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	58	59
Total	0	0	2	4	6	2	5	4	3	1	1	0	0	0	28		
Percent	0.0%	0.0%	7.1%	14.3%	21.4%	7.1%	17.9%	14.3%	10.7%	3.6%	3.6%	0.0%	0.0%	0.0%			
AM Peak				07:00	11:00	10:00	09:00		11:00						11:00		
Vol.				1	1	1	1		1						3		
PM Peak			13:00	14:00	16:00		12:00	15:00	14:00	14:00	23:00				14:00		
Vol.			1	1	2		1	2	1	1	1				5		
Total	0	0	2	4	6	2	5	4	3	1	1	0	0	0	28		
Percent	0.0%	0.0%	7.1%	14.3%	21.4%	7.1%	17.9%	14.3%	10.7%	3.6%	3.6%	0.0%	0.0%	0.0%			

15th Percentile : 22 MPH  
50th Percentile : 35 MPH  
85th Percentile : 46 MPH  
95th Percentile : 53 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 10  
Percent in Pace : 35.7%  
Number of Vehicles > 35 MPH : 14  
Percent of Vehicles > 35 MPH : 50.0%  
Mean Speed(Average) : 35 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23  
Station ID: 23-1225-073  
Old Black Canyon Highway east of Cloud  
Cliff Way 34.569650, -112.314570  
Latitude: 0' 0.0000 Undefined

## Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/31/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	43	44
06:00	0	0	0	1	0	2	0	0	0	0	0	0	0	0	3	30	33
07:00	0	0	0	1	1	1	1	0	0	0	0	0	0	0	4	30	37
08:00	0	1	0	0	1	3	0	0	0	0	0	0	0	0	5	28	33
09:00	0	0	0	2	2	1	2	0	0	0	0	0	0	0	7	30	37
10:00	0	0	0	1	0	1	1	1	0	0	0	0	0	0	4	34	42
11:00	0	0	0	0	0	1	3	1	1	0	0	0	0	0	6	40	45
12 PM	0	0	0	4	0	0	2	0	0	0	0	0	0	0	6	28	37
13:00	0	0	3	1	0	1	1	0	0	0	0	0	0	0	6	25	35
14:00	0	0	0	1	1	1	0	1	0	0	0	0	0	0	4	32	42
15:00	0	1	0	1	0	1	0	0	1	0	0	0	0	0	4	29	47
16:00	0	0	0	1	0	1	1	1	1	0	0	0	0	0	5	37	46
17:00	0	1	0	2	1	0	0	0	0	0	1	0	0	0	5	29	56
18:00	0	0	2	0	0	1	0	0	0	0	0	0	0	0	3	23	32
19:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	53	54
20:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	53	54
21:00	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	26	33
22:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3	23	27
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	0	3	7	16	7	15	11	5	3	2	1	0	0	0	70		
Percent	0.0%	4.3%	10.0%	22.9%	10.0%	21.4%	15.7%	7.1%	4.3%	2.9%	1.4%	0.0%	0.0%	0.0%			
AM Peak		08:00		09:00	09:00	08:00	11:00	05:00	11:00						09:00		
Vol.		1		2	2	3	3	1	1						7		
PM Peak		15:00	13:00	12:00	14:00	13:00	12:00	14:00	15:00	19:00	17:00				12:00		
Vol.		1	3	4	1	1	2	1	1	1	1				6		
Total	0	3	7	16	7	15	11	5	3	2	1	0	0	0	70		
Percent	0.0%	4.3%	10.0%	22.9%	10.0%	21.4%	15.7%	7.1%	4.3%	2.9%	1.4%	0.0%	0.0%	0.0%			

15th Percentile : 20 MPH  
50th Percentile : 30 MPH  
85th Percentile : 40 MPH  
95th Percentile : 49 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 26  
Percent in Pace : 37.1%  
Number of Vehicles > 35 MPH : 22  
Percent of Vehicles > 35 MPH : 31.4%  
Mean Speed(Average) : 31 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23  
Station ID: 23-1225-073  
Old Black Canyon Highway east of Cloud  
Cliff Way 34.569650, -112.314570  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/31/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	43	44
06:00	0	0	0	1	0	2	0	0	0	0	0	0	0	0	3	30	33
07:00	0	0	0	2	1	1	1	0	0	0	0	0	0	0	5	29	36
08:00	0	1	0	0	1	3	0	0	0	0	0	0	0	0	5	28	33
09:00	0	0	0	2	2	1	3	0	0	0	0	0	0	0	8	31	38
10:00	0	0	0	1	0	2	1	1	0	0	0	0	0	0	5	34	41
11:00	0	0	0	0	1	2	3	1	2	0	0	0	0	0	9	39	46
12 PM	0	0	0	4	0	0	3	0	0	0	0	0	0	0	7	29	38
13:00	0	0	4	1	0	1	2	1	0	0	0	0	0	0	9	27	39
14:00	0	0	1	2	1	1	1	1	1	1	0	0	0	0	9	34	48
15:00	0	1	0	1	1	1	0	2	1	0	0	0	0	0	7	33	44
16:00	0	0	0	1	2	1	1	1	1	0	0	0	0	0	7	34	44
17:00	0	1	0	3	1	0	0	0	1	0	1	0	0	0	7	31	49
18:00	0	0	2	0	0	1	0	0	0	0	0	0	0	0	3	23	32
19:00	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2	46	53
20:00	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2	41	53
21:00	0	0	1	1	1	1	0	1	0	0	0	0	0	0	5	29	41
22:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3	23	27
23:00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	58	59
Total	0	3	9	20	13	17	16	9	6	3	2	0	0	0	98		
Percent	0.0%	3.1%	9.2%	20.4%	13.3%	17.3%	16.3%	9.2%	6.1%	3.1%	2.0%	0.0%	0.0%	0.0%			
AM Peak		08:00		07:00	09:00	08:00	09:00	05:00	11:00						11:00		
Vol.		1		2	2	3	3	1	2						9		
PM Peak		15:00	13:00	12:00	16:00	13:00	12:00	15:00	14:00	14:00	17:00				13:00		
Vol.		1	4	4	2	1	3	2	1	1	1				9		
Total	0	3	9	20	13	17	16	9	6	3	2	0	0	0	98		
Percent	0.0%	3.1%	9.2%	20.4%	13.3%	17.3%	16.3%	9.2%	6.1%	3.1%	2.0%	0.0%	0.0%	0.0%			

15th Percentile : 20 MPH  
50th Percentile : 31 MPH  
85th Percentile : 42 MPH  
95th Percentile : 50 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 33  
Percent in Pace : 33.7%  
Number of Vehicles > 35 MPH : 36  
Percent of Vehicles > 35 MPH : 36.7%  
Mean Speed(Average) : 32 MPH

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN YCM STONERIDGE SIDE  
 POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
 1/8/2024  
 Monday

### 24 Hour Speed

mph	SE														Avg.		
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200			
2:00 PM	19	1	1	0	0	0	7	2	4	2	1	0	0	1	42.4		
3:00 PM	29	0	0	0	0	2	4	12	7	3	1	0	0	0	44.3		
4:00 PM	26	0	0	0	0	0	6	7	7	3	3	0	0	0	45.4		
5:00 PM	23	0	0	0	0	1	2	10	2	4	0	0	2	2	48.1		
6:00 PM	16	0	0	0	0	1	5	4	1	1	1	1	0	2	47.3		
7:00 PM	7	0	0	0	0	0	0	5	1	1	0	0	0	0	44.8		
8:00 PM	12	0	0	0	0	0	2	3	2	3	0	1	1	0	48.8		
9:00 PM	5	0	0	0	0	0	0	1	1	1	0	1	0	1	55.5		
10:00 PM	9	1	0	0	0	1	0	2	3	0	1	1	0	0	43.3		
11:00 PM	2	0	0	0	1	0	0	0	1	0	0	0	0	0	37.0		
1/9/2024																	
12:00 AM	3	0	0	0	0	0	1	1	0	0	0	0	1	0	49.6		
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
4:00 AM	2	0	0	0	0	1	0	0	0	1	0	0	0	0	43.3		
5:00 AM	2	0	0	0	0	0	1	1	0	0	0	0	0	0	38.5		
6:00 AM	1	0	0	0	0	0	0	0	0	1	0	0	0	0	50.3		
7:00 AM	6	0	0	0	0	1	1	1	3	0	0	0	0	0	42.9		
8:00 AM	10	0	0	0	0	1	2	4	2	1	0	0	0	0	42.5		
9:00 AM	10	0	0	0	0	1	3	2	4	0	0	0	0	0	42.4		
10:00 AM	13	0	0	0	0	1	3	3	2	4	0	0	0	0	44.9		
11:00 AM	15	0	0	0	1	1	5	3	4	0	1	0	0	0	41.6		
12:00 PM	24	0	0	0	0	0	11	9	3	1	0	0	0	0	41.7		
1:00 PM	21	0	0	0	0	1	2	6	9	3	0	0	0	0	45.0		
Total	255	2	1	0	2	12	55	76	56	29	8	4	4	6	44.7		
%		0.8	0.4	0.0	0.8	4.7	21.6	29.8	22.0	11.4	3.1	1.6	1.6	2.4			
Average (Mean)		44.7 mph			Minimum		14.3 mph		Maximum		78.7 mph		Pace Range			37.0 - 47.0 mph	139 vehicles (54.5%)
Percentile Speeds		<u>10%</u>		<u>15%</u>		<u>50%</u>		<u>85%</u>		<u>90%</u>							
(mph)		36.0		37.3		43.4		51.9		53.8							
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph					
		98.8% (252)		93.3% (238)		41.6% (106)		8.6% (22)		3.9% (10)		0.4% (1)					

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN YCM STONERIDGE SIDE  
 POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
 1/9/2024  
 Tuesday

### 24 Hour Speed

mph	SE															Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
2:00 PM	21	0	0	0	0	0	5	7	5	1	3	0	0	0	44.7	
3:00 PM	40	0	0	0	0	1	13	10	9	5	1	1	0	0	43.8	
4:00 PM	34	0	0	0	1	1	4	15	7	1	3	2	0	0	44.8	
5:00 PM	23	0	0	0	0	0	6	5	7	3	1	0	1	0	45.9	
6:00 PM	13	0	0	0	0	2	5	4	1	1	0	0	0	0	40.1	
7:00 PM	14	0	0	0	0	0	3	6	2	3	0	0	0	0	44.1	
8:00 PM	12	0	0	0	0	0	3	6	1	0	0	2	0	0	45.4	
9:00 PM	4	0	0	0	0	0	2	1	0	0	0	1	0	0	45.3	
10:00 PM	3	0	0	0	0	0	0	0	1	2	0	0	0	0	50.4	
11:00 PM	1	0	0	0	0	0	0	1	0	0	0	0	0	0	44.3	
1/10/2024																
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
3:00 AM	1	0	0	0	0	0	0	0	0	1	0	0	0	0	51.0	
4:00 AM	2	0	0	0	0	1	0	0	0	1	0	0	0	0	44.1	
5:00 AM	3	0	0	0	0	0	0	1	0	1	1	0	0	0	48.7	
6:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	33.9	
7:00 AM	3	0	0	0	0	0	0	1	1	1	0	0	0	0	47.8	
8:00 AM	7	0	0	0	0	0	2	4	1	0	0	0	0	0	42.0	
9:00 AM	17	0	0	0	0	1	7	6	3	0	0	0	0	0	40.9	
10:00 AM	10	0	0	0	1	1	3	2	0	3	0	0	0	0	41.9	
11:00 AM	10	0	0	0	0	1	2	2	4	0	1	0	0	0	44.0	
12:00 PM	25	0	0	0	0	2	4	2	11	4	1	0	1	0	46.6	
1:00 PM	20	1	0	0	0	1	1	10	3	4	0	0	0	0	43.2	
Total	264	1	0	0	2	12	60	83	56	31	11	6	2	0	44.2	
%		0.4	0.0	0.0	0.8	4.5	22.7	31.4	21.2	11.7	4.2	2.3	0.8	0.0		
Average (Mean)		44.2 mph		Minimum		14.6 mph		Maximum		68.0 mph		Pace Range		38.4 - 48.4 mph		154 vehicles (58.3%)
Percentile Speeds		<u>10%</u>		<u>15%</u>		<u>50%</u>		<u>85%</u>		<u>90%</u>						
(mph)		36.4		37.6		43.1		51.1		53.0						
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph				
		99.6% (263)		94.3% (249)		39.8% (105)		7.2% (19)		0.8% (2)		0% (0)				

ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN YCM STONERIDGE SIDE  
POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
1/10/2024  
Wednesday

### 24 Hour Speed

mph	SE														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
2:00 PM	27	0	0	0	0	4	6	7	8	2	0	0	0	0	42.4
3:00 PM	21	0	0	0	0	0	5	11	3	0	1	1	0	0	43.7
4:00 PM	36	0	0	1	1	1	9	14	5	4	1	0	0	0	42.2
5:00 PM	32	0	0	1	0	0	7	13	7	3	0	0	0	1	44.6
6:00 PM	14	0	0	0	0	2	1	5	1	1	3	1	0	0	46.7
7:00 PM	10	0	0	0	0	0	0	5	4	0	1	0	0	0	45.7
8:00 PM	8	0	0	0	0	0	1	7	0	0	0	0	0	0	42.6
9:00 PM	5	0	0	0	0	0	2	2	0	1	0	0	0	0	42.5
10:00 PM	3	0	0	0	0	1	0	0	1	1	0	0	0	0	42.7
11:00 PM	3	0	0	0	0	1	0	1	1	0	0	0	0	0	40.9
1/11/2024															
12:00 AM	1	0	0	1	0	0	0	0	0	0	0	0	0	0	22.4
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	34.8
5:00 AM	2	0	0	0	0	0	0	0	1	0	1	0	0	0	50.3
6:00 AM	2	0	0	0	0	0	2	0	0	0	0	0	0	0	37.1
7:00 AM	7	0	0	1	3	1	1	1	0	0	0	0	0	0	30.6
8:00 AM	12	0	2	1	3	3	1	1	0	1	0	0	0	0	31.2
9:00 AM	6	0	0	0	2	1	3	0	0	0	0	0	0	0	34.0
10:00 AM	6	0	0	1	2	0	1	2	0	0	0	0	0	0	33.5
11:00 AM	10	0	0	0	1	2	4	2	1	0	0	0	0	0	37.9
12:00 PM	8	0	0	0	0	0	0	4	3	1	0	0	0	0	44.2
1:00 PM	10	0	0	0	0	1	1	3	2	3	0	0	0	0	44.5
Total	224	0	2	6	12	18	44	78	37	17	7	2	0	1	41.6
%		0.0	0.9	2.7	5.4	8.0	19.6	34.8	16.5	7.6	3.1	0.9	0.0	0.4	

**Average (Mean)** 41.6 mph      **Minimum** 19.5 mph      **Maximum** 88.4 mph      **Pace Range** 37.9 - 47.9 mph      128 vehicles (57.1%)

**Percentile Speeds**  
(mph)      10%      15%      50%      85%      90%  
30.8      34.4      41.9      48.1      51.1

**Speeds Exceeded**  
25 mph      35 mph      45 mph      55 mph      65 mph      75 mph  
96.4% (216)      83.0% (186)      27.2% (61)      4.5% (10)      0.4% (1)      0.4% (1)

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN YCM STONERIDGE SIDE  
 POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
 1/11/2024  
 Thursday

### 24 Hour Speed

mph	SE														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
2:00 PM	19	0	0	0	0	2	5	7	2	1	2	0	0	0	42.4
3:00 PM	24	0	0	0	0	0	8	8	6	1	1	0	0	0	43.6
4:00 PM	22	0	0	0	0	0	1	6	8	3	2	1	0	1	48.8
5:00 PM	18	0	0	0	0	1	3	8	3	1	2	0	0	0	43.8
6:00 PM	24	0	0	0	0	2	5	6	7	3	1	0	0	0	44.0
7:00 PM	10	0	0	0	0	1	1	4	3	0	1	0	0	0	43.7
8:00 PM	4	0	0	0	0	2	0	2	0	0	0	0	0	0	38.7
9:00 PM	5	0	0	0	0	1	0	0	0	3	0	1	0	0	50.9
10:00 PM	2	0	0	0	0	0	0	2	0	0	0	0	0	0	42.7
11:00 PM	2	0	0	0	0	0	1	0	1	0	0	0	0	0	42.6
1/12/2024															
12:00 AM	2	0	0	0	0	0	0	0	1	1	0	0	0	0	48.8
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
3:00 AM	1	0	0	0	0	0	0	1	0	0	0	0	0	0	44.3
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
5:00 AM	1	0	0	0	0	0	0	1	0	0	0	0	0	0	40.1
6:00 AM	2	0	0	0	0	0	1	1	0	0	0	0	0	0	39.7
7:00 AM	7	0	0	0	0	0	2	2	3	0	0	0	0	0	42.9
8:00 AM	6	0	0	0	0	0	3	2	1	0	0	0	0	0	40.7
9:00 AM	4	0	0	0	0	1	1	0	0	2	0	0	0	0	43.6
10:00 AM	16	0	0	0	0	4	4	4	2	2	0	0	0	0	40.7
11:00 AM	17	0	1	1	0	1	4	4	5	0	1	0	0	0	40.3
12:00 PM	11	0	0	0	2	1	5	1	2	0	0	0	0	0	37.5
1:00 PM	25	0	0	0	0	1	6	6	6	3	2	1	0	0	45.1
Total	222	0	1	1	2	17	50	65	50	20	12	3	0	1	43.4
%		0.0	0.5	0.5	0.9	7.7	22.5	29.3	22.5	9.0	5.4	1.4	0.0	0.5	

**Average (Mean)** 43.4 mph      **Minimum** 17.8 mph      **Maximum** 75.6 mph      **Pace Range** 38.7 - 48.7 mph      127 vehicles (57.2%)

**Percentile Speeds**  
 (mph)      10%      15%      50%      85%      90%  
                  35.0      36.4      43.1      50.1      51.3

**Speeds Exceeded**  
                  25 mph      35 mph      45 mph      55 mph      65 mph      75 mph  
                  99.1% (220)      90.1% (200)      38.7% (86)      7.2% (16)      0.5% (1)      0.5% (1)

ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN YCM STONERIDGE SIDE  
POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
1/12/2024  
Friday

### 24 Hour Speed

mph	SE														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
2:00 PM	13	0	0	0	1	1	4	4	0	2	1	0	0	0	41.4
3:00 PM	32	0	0	0	0	0	13	10	4	2	3	0	0	0	43.3
4:00 PM	32	0	0	0	0	0	9	9	5	3	4	2	0	0	46.3
5:00 PM	19	0	0	0	0	0	4	7	5	3	0	0	0	0	44.5
6:00 PM	11	0	0	0	0	0	3	2	5	0	1	0	0	0	44.6
7:00 PM	12	0	0	0	0	0	1	4	5	1	0	0	0	1	47.5
8:00 PM	7	0	0	0	0	1	2	0	2	2	0	0	0	0	43.7
9:00 PM	6	0	0	0	0	1	0	4	1	0	0	0	0	0	41.0
10:00 PM	2	0	0	0	0	0	1	0	1	0	0	0	0	0	41.9
11:00 PM	10	0	0	0	0	0	1	0	4	2	3	0	0	0	50.1
1/13/2024															
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
1:00 AM	2	0	0	0	0	1	0	0	1	0	0	0	0	0	39.9
2:00 AM	1	0	0	0	0	0	0	1	0	0	0	0	0	0	41.3
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 AM	1	0	0	0	0	0	0	0	0	0	1	0	0	0	55.5
5:00 AM	1	0	0	0	0	0	0	0	0	1	0	0	0	0	54.7
6:00 AM	3	0	0	0	0	0	0	2	0	0	1	0	0	0	46.8
7:00 AM	4	0	0	0	0	0	1	2	0	1	0	0	0	0	43.8
8:00 AM	7	0	0	0	0	0	1	2	0	4	0	0	0	0	48.2
9:00 AM	9	0	0	0	0	0	1	6	0	1	1	0	0	0	43.8
10:00 AM	19	0	0	0	0	1	3	3	8	3	1	0	0	0	46.0
11:00 AM	22	0	1	0	1	0	8	7	4	1	0	0	0	0	40.3
12:00 PM	21	0	0	0	0	2	8	4	4	2	0	1	0	0	42.8
1:00 PM	22	0	0	0	0	1	8	5	3	4	0	1	0	0	43.4
Total	256	0	1	0	2	8	68	72	52	32	16	4	0	1	44.3
%		0.0	0.4	0.0	0.8	3.1	26.6	28.1	20.3	12.5	6.3	1.6	0.0	0.4	

**Average (Mean)** 44.3 mph      **Minimum** 18.3 mph      **Maximum** 73.9 mph      **Pace Range** 35.9 - 45.9 mph      156 vehicles (60.9%)

**Percentile Speeds**  
(mph)      10%      15%      50%      85%      90%  
36.9      38.0      43.4      52.3      54.2

**Speeds Exceeded**  
25 mph      35 mph      45 mph      55 mph      65 mph      75 mph  
99.6% (255)      95.3% (244)      39.8% (102)      7.8% (20)      0.4% (1)      0% (0)

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN YCM STONERIDGE SIDE  
 POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
 1/13/2024  
 Saturday

### 24 Hour Speed

mph	SE														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
2:00 PM	20	0	0	0	0	2	4	6	6	2	0	0	0	0	43.0
3:00 PM	26	0	0	0	0	0	8	7	3	6	1	0	0	1	46.2
4:00 PM	22	0	0	0	0	1	2	11	5	3	0	0	0	0	44.3
5:00 PM	17	0	0	0	1	1	3	4	4	2	2	0	0	0	44.8
6:00 PM	11	0	0	0	0	0	2	4	3	1	1	0	0	0	45.5
7:00 PM	12	0	0	0	0	1	1	8	2	0	0	0	0	0	41.9
8:00 PM	10	0	0	0	0	0	3	1	1	2	0	1	1	1	50.6
9:00 PM	4	0	0	0	0	0	0	4	0	0	0	0	0	0	41.5
10:00 PM	4	0	0	0	0	0	0	1	3	0	0	0	0	0	44.1
11:00 PM	1	0	0	0	0	0	0	0	1	0	0	0	0	0	47.5
1/14/2024															
12:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	33.9
1:00 AM	3	0	0	0	0	0	0	1	1	0	0	1	0	0	49.7
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 AM	1	0	0	0	0	0	0	0	0	0	0	0	0	1	83.5
5:00 AM	2	0	0	0	0	0	1	0	0	0	1	0	0	0	47.9
6:00 AM	2	0	0	0	0	0	0	1	1	0	0	0	0	0	45.1
7:00 AM	5	0	0	0	0	0	2	1	2	0	0	0	0	0	43.5
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
9:00 AM	9	0	0	0	0	0	1	3	2	0	1	2	0	0	48.6
10:00 AM	9	0	0	1	1	0	2	2	2	0	1	0	0	0	40.6
11:00 AM	15	0	0	1	1	0	4	4	4	0	1	0	0	0	41.9
12:00 PM	30	0	0	0	0	1	4	17	5	3	0	0	0	0	43.7
1:00 PM	19	0	0	0	0	2	7	3	3	2	0	2	0	0	44.1
Total	223	0	0	2	3	9	44	78	48	21	8	6	1	3	44.6
%		0.0	0.0	0.9	1.3	4.0	19.7	35.0	21.5	9.4	3.6	2.7	0.4	1.3	

**Average (Mean)** 44.6 mph      **Minimum** 23.0 mph      **Maximum** 83.5 mph      **Pace Range** 38.3 - 48.3 mph      135 vehicles (60.5%)

**Percentile Speeds**  
 (mph)      10%      15%      50%      85%      90%  
                  36.3      38.4      43.4      50.8      54.1

**Speeds Exceeded**  
                  25 mph      35 mph      45 mph      55 mph      65 mph      75 mph  
                  99.1% (221)      93.7% (209)      39.0% (87)      8.1% (18)      1.8% (4)      0.4% (1)



ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN YCM STONERIDGE SIDE  
POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
1/14/2024  
Sunday

### 24 Hour Speed

mph	SE															Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200			
2:00 PM	31	0	0	0	0	0	15	7	4	2	2	1	0	0	43.5		
3:00 PM	30	0	0	0	1	0	6	4	11	7	1	0	0	0	46.0		
4:00 PM	20	0	0	0	0	0	7	8	2	1	0	2	0	0	43.9		
5:00 PM	16	0	0	0	0	0	3	2	9	1	1	0	0	0	45.8		
6:00 PM	5	0	0	0	0	0	0	2	1	2	0	0	0	0	47.9		
7:00 PM	10	0	0	1	0	0	2	4	3	0	0	0	0	0	40.6		
8:00 PM	9	0	0	0	0	1	3	3	0	1	1	0	0	0	42.5		
9:00 PM	7	0	0	0	0	0	2	3	0	2	0	0	0	0	43.8		
10:00 PM	5	0	0	0	0	1	3	0	0	1	0	0	0	0	39.6		
11:00 PM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	35.4		
1/15/2024																	
12:00 AM	2	0	0	0	0	1	0	1	0	0	0	0	0	0	37.9		
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
3:00 AM	2	0	0	0	0	0	0	0	0	1	1	0	0	0	55.3		
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
6:00 AM	4	0	0	0	0	0	1	0	0	2	1	0	0	0	49.2		
7:00 AM	6	0	0	0	0	0	1	2	1	1	0	0	1	0	48.0		
8:00 AM	6	0	0	0	0	1	1	3	1	0	0	0	0	0	41.8		
9:00 AM	15	0	0	0	1	2	4	5	1	2	0	0	0	0	40.9		
10:00 AM	16	0	0	0	0	0	4	6	4	1	1	0	0	0	43.7		
11:00 AM	24	0	0	0	1	1	3	8	6	3	2	0	0	0	44.8		
12:00 PM	23	0	0	0	1	0	3	8	8	1	0	1	1	0	44.9		
1:00 PM	30	0	0	0	0	0	8	8	4	6	2	0	2	0	46.6		
Total	262	0	0	1	4	7	67	74	55	34	12	4	4	0	44.5		
%		0.0	0.0	0.4	1.5	2.7	25.6	28.2	21.0	13.0	4.6	1.5	1.5	0.0			
Average (Mean)		44.5 mph			Minimum		24.4 mph		Maximum		69.5 mph		Pace Range			37.6 - 47.6 mph	157 vehicles (59.9%)
Percentile Speeds		10%		15%		50%		85%		90%							
(mph)		36.7		37.9		43.3		51.3		53.3							
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph					
		99.6% (261)		95.4% (250)		41.6% (109)		7.6% (20)		1.5% (4)		0% (0)					

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN YCM STONERIDGE SIDE  
 POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
 1/8/2024  
 Monday

### 24 Hour Speed

		NW														
mph		0 -	15 -	20 -	25 -	30 -	35 -	40 -	45 -	50 -	55 -	60 -	65 -	70 -		
	Total	< 15	< 20	< 25	< 30	< 35	< 40	< 45	< 50	< 55	< 60	< 65	< 70	< 200	Avg.	
2:00 PM	15	0	0	0	0	2	3	3	5	2	0	0	0	0	42.5	
3:00 PM	20	0	0	0	0	0	6	6	5	2	1	0	0	0	43.3	
4:00 PM	14	0	0	0	0	2	3	4	3	1	0	1	0	0	43.0	
5:00 PM	12	0	0	0	0	1	2	4	3	2	0	0	0	0	43.9	
6:00 PM	10	0	0	0	0	2	1	5	0	2	0	0	0	0	41.6	
7:00 PM	8	0	0	0	1	0	1	4	2	0	0	0	0	0	41.3	
8:00 PM	8	0	0	0	0	0	3	2	1	2	0	0	0	0	44.2	
9:00 PM	3	0	0	0	0	0	0	2	0	1	0	0	0	0	45.5	
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
1/9/2024																
12:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	30.3	
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
5:00 AM	4	0	0	0	0	0	0	1	2	1	0	0	0	0	46.6	
6:00 AM	10	0	0	0	0	1	4	3	1	0	0	1	0	0	41.7	
7:00 AM	27	0	0	0	0	0	9	8	5	4	1	0	0	0	43.9	
8:00 AM	22	0	0	0	0	0	5	6	5	3	3	0	0	0	45.9	
9:00 AM	18	0	0	0	0	2	4	2	5	3	2	0	0	0	44.4	
10:00 AM	21	0	0	0	0	0	7	8	2	4	0	0	0	0	43.1	
11:00 AM	23	0	0	0	1	1	5	8	5	2	0	0	1	0	43.1	
12:00 PM	26	0	0	0	1	1	10	7	5	2	0	0	0	0	40.8	
1:00 PM	21	0	0	0	0	0	9	4	5	3	0	0	0	0	43.3	
Total	263	0	0	0	3	13	72	77	54	34	7	2	1	0	43.2	
%		0.0	0.0	0.0	1.1	4.9	27.4	29.3	20.5	12.9	2.7	0.8	0.4	0.0		
Average (Mean)		43.2 mph			Minimum 25.4 mph		Maximum 65.0 mph			Pace Range 35.9 - 45.9 mph			157 vehicles (59.7%)			
Percentile Speeds		<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>										
(mph)		35.5	36.8	42.7	50.2	51.7										
Speeds Exceeded		<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>									
		100% (263)	93.9% (247)	36.9% (97)	3.8% (10)	0% (0)	0% (0)									

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN YCM STONERIDGE SIDE  
 POSTED SPEED : 35 MPH

Site: YYV-PC3076-3  
 1/9/2024  
 Tuesday

### 24 Hour Speed

		NW															
mph		0 -	15 -	20 -	25 -	30 -	35 -	40 -	45 -	50 -	55 -	60 -	65 -	70 -			
	Total	< 15	< 20	< 25	< 30	< 35	< 40	< 45	< 50	< 55	< 60	< 65	< 70	< 200	Avg.		
2:00 PM	19	0	0	0	1	1	4	4	2	4	1	0	1	1	46.2		
3:00 PM	19	0	0	0	0	1	5	6	5	1	1	0	0	0	43.3		
4:00 PM	17	0	0	0	1	1	8	2	3	1	1	0	0	0	40.3		
5:00 PM	17	0	0	0	0	0	8	6	1	1	0	0	1	0	42.6		
6:00 PM	14	0	0	0	0	1	6	4	2	1	0	0	0	0	41.1		
7:00 PM	3	0	0	0	0	0	1	1	0	0	1	0	0	0	44.7		
8:00 PM	5	0	0	0	0	0	1	2	2	0	0	0	0	0	43.2		
9:00 PM	2	0	0	0	0	0	0	1	0	0	1	0	0	0	52.1		
10:00 PM	1	0	0	0	0	0	0	1	0	0	0	0	0	0	43.3		
11:00 PM	2	0	0	0	0	0	0	2	0	0	0	0	0	0	43.0		
1/10/2024																	
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
4:00 AM	1	0	0	0	0	0	0	1	0	0	0	0	0	0	42.0		
5:00 AM	3	0	0	0	0	0	0	1	2	0	0	0	0	0	46.7		
6:00 AM	7	0	0	0	1	0	1	3	0	0	0	1	0	1	48.1		
7:00 AM	26	0	0	0	0	0	6	6	8	5	1	0	0	0	45.7		
8:00 AM	16	0	0	0	0	1	4	3	4	2	1	0	0	1	45.2		
9:00 AM	12	0	0	0	0	0	4	3	4	1	0	0	0	0	43.3		
10:00 AM	24	0	0	0	0	0	10	5	1	5	3	0	0	0	44.7		
11:00 AM	14	0	0	0	0	0	5	4	3	0	2	0	0	0	44.2		
12:00 PM	17	0	0	0	1	0	1	8	5	2	0	0	0	0	44.4		
1:00 PM	28	0	0	0	0	1	11	8	3	3	1	1	0	0	42.7		
Total	247	0	0	0	4	6	75	71	45	26	13	2	2	3	44.0		
%		0.0	0.0	0.0	1.6	2.4	30.4	28.7	18.2	10.5	5.3	0.8	0.8	1.2			
Average (Mean)		44.0 mph			Minimum		27.8 mph		Maximum		77.7 mph		Pace Range			35.2 - 45.2 mph	151 vehicles (61.1%)
Percentile Speeds		10%		15%		50%		85%		90%							
(mph)		35.6		37.0		43.0		50.8		53.8							
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph					
		100% (247)		96.0% (237)		35.6% (88)		8.1% (20)		2.0% (5)		0.4% (1)					

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN YCM STONERIDGE SIDE  
 POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
 1/10/2024  
 Wednesday

24 Hour Speed

mph	NW														Avg.		
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200			
2:00 PM	13	0	0	0	0	0	3	5	1	2	1	1	0	0	46.0		
3:00 PM	16	0	0	0	0	0	2	7	6	1	0	0	0	0	44.6		
4:00 PM	21	0	0	0	1	2	8	8	1	1	0	0	0	0	40.3		
5:00 PM	15	0	0	0	0	0	3	5	5	1	1	0	0	0	44.1		
6:00 PM	5	0	0	0	0	0	1	1	2	0	0	1	0	0	47.8		
7:00 PM	6	0	0	0	0	2	0	3	0	0	1	0	0	0	42.6		
8:00 PM	3	0	0	0	0	0	2	1	0	0	0	0	0	0	39.5		
9:00 PM	2	0	0	0	0	0	0	2	0	0	0	0	0	0	43.2		
10:00 PM	2	0	0	0	0	0	0	1	1	0	0	0	0	0	44.4		
11:00 PM	2	0	0	0	0	0	0	0	2	0	0	0	0	0	48.8		
1/11/2024																	
12:00 AM	1	0	0	0	0	0	0	0	1	0	0	0	0	0	49.5		
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
5:00 AM	4	0	0	0	0	0	0	1	2	1	0	0	0	0	48.2		
6:00 AM	7	0	0	0	1	0	3	2	1	0	0	0	0	0	38.8		
7:00 AM	7	0	0	0	2	3	2	0	0	0	0	0	0	0	32.4		
8:00 AM	13	0	0	1	4	2	3	2	1	0	0	0	0	0	34.3		
9:00 AM	5	0	0	1	2	2	0	0	0	0	0	0	0	0	28.6		
10:00 AM	4	0	0	0	0	2	0	1	1	0	0	0	0	0	38.6		
11:00 AM	15	0	0	0	2	4	5	2	2	0	0	0	0	0	36.3		
12:00 PM	14	0	0	0	0	5	0	4	4	1	0	0	0	0	40.9		
1:00 PM	10	0	0	0	0	1	3	3	1	2	0	0	0	0	42.8		
Total	165	0	0	2	12	23	35	48	31	9	3	2	0	0	40.8		
%		0.0	0.0	1.2	7.3	13.9	21.2	29.1	18.8	5.5	1.8	1.2	0.0	0.0			
Average (Mean)	40.8 mph			Minimum	23.5 mph			Maximum	63.0 mph			Pace Range	38.2 - 48.2 mph			90 vehicles (54.5%)	
Percentile Speeds	<u>10%</u>		<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>											
(mph)	30.4		33.1	41.2	48.2	49.5											
Speeds Exceeded	25 mph		35 mph		45 mph		55 mph		65 mph		75 mph						
	98.8% (163)		77.6% (128)		27.3% (45)		3.0% (5)		0% (0)		0% (0)						

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN YCM STONERIDGE SIDE  
 POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
 1/11/2024  
 Thursday

24 Hour Speed

mph	NW															Avg.				
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200						
2:00 PM	14	0	0	0	0	2	1	5	5	1	0	0	0	0	43.0					
3:00 PM	16	0	0	0	0	0	3	8	1	1	2	1	0	0	45.5					
4:00 PM	21	0	0	0	0	4	4	8	3	2	0	0	0	0	42.0					
5:00 PM	18	0	0	0	0	1	1	7	4	3	1	0	0	1	46.8					
6:00 PM	7	0	0	0	0	0	2	2	1	2	0	0	0	0	44.6					
7:00 PM	9	0	0	0	0	1	2	2	2	0	2	0	0	0	44.6					
8:00 PM	8	0	0	0	0	1	1	3	1	2	0	0	0	0	44.1					
9:00 PM	5	0	0	0	0	0	3	1	0	0	1	0	0	0	43.2					
10:00 PM	1	0	0	0	0	0	0	0	0	0	1	0	0	0	56.4					
11:00 PM	1	0	0	0	0	0	0	0	0	0	0	0	1	0	67.7					
1/12/2024																				
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-					
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-					
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-					
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-					
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-					
5:00 AM	5	0	0	0	0	0	0	1	4	0	0	0	0	0	45.5					
6:00 AM	6	0	0	0	0	0	0	1	2	1	2	0	0	0	50.2					
7:00 AM	8	0	0	0	0	0	4	0	2	2	0	0	0	0	43.9					
8:00 AM	14	0	0	0	1	1	3	3	2	2	2	0	0	0	43.7					
9:00 AM	14	0	0	0	0	1	4	2	3	2	2	0	0	0	45.4					
10:00 AM	15	0	1	1	1	7	4	0	1	0	0	0	0	0	33.1					
11:00 AM	22	2	0	1	4	5	5	3	2	0	0	0	0	0	32.9					
12:00 PM	19	0	0	3	1	8	4	2	1	0	0	0	0	0	33.1					
1:00 PM	21	0	0	0	1	0	5	7	2	3	2	1	0	0	45.0					
Total	224	2	1	5	8	31	46	55	36	21	15	2	1	1	41.9					
%		0.9	0.4	2.2	3.6	13.8	20.5	24.6	16.1	9.4	6.7	0.9	0.4	0.4						
Average (Mean)		41.9 mph			Minimum		13.7 mph			Maximum		72.2 mph			Pace Range		36.8 - 46.8 mph		114 vehicles (50.9%)	
Percentile Speeds		10%		15%		50%		85%		90%										
(mph)		31.3		33.1		41.6		51.4		53.7										
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph								
		96.4% (216)		79.0% (177)		33.9% (76)		8.5% (19)		0.9% (2)		0% (0)								

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN YCM STONERIDGE SIDE  
 POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
 1/12/2024  
 Friday

### 24 Hour Speed

mph	NW														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
2:00 PM	29	0	0	0	0	3	7	8	5	3	2	1	0	0	44.2
3:00 PM	20	0	0	0	1	1	4	6	3	3	2	0	0	0	43.7
4:00 PM	21	0	0	0	0	6	7	3	2	2	0	1	0	0	40.4
5:00 PM	22	0	0	0	1	0	6	8	5	2	0	0	0	0	42.6
6:00 PM	9	0	0	0	0	0	5	2	1	0	1	0	0	0	41.9
7:00 PM	5	0	0	0	0	0	1	1	2	0	1	0	0	0	46.7
8:00 PM	1	0	0	0	0	0	0	0	0	1	0	0	0	0	52.2
9:00 PM	3	0	0	0	0	0	1	0	1	1	0	0	0	0	45.7
10:00 PM	1	0	0	0	0	0	0	1	0	0	0	0	0	0	43.1
11:00 PM	2	0	0	0	0	0	0	1	1	0	0	0	0	0	45.9
1/13/2024															
12:00 AM	1	0	0	0	0	0	0	0	1	0	0	0	0	0	45.2
1:00 AM	1	0	0	0	0	0	0	1	0	0	0	0	0	0	42.7
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
6:00 AM	3	0	0	0	0	0	2	0	1	0	0	0	0	0	39.6
7:00 AM	6	0	0	0	0	1	1	1	2	0	0	0	1	0	45.9
8:00 AM	9	0	0	0	0	0	0	2	5	1	1	0	0	0	47.4
9:00 AM	13	0	0	0	0	0	3	6	2	2	0	0	0	0	43.5
10:00 AM	26	0	0	0	0	6	6	9	3	1	0	1	0	0	40.7
11:00 AM	14	0	0	0	0	2	3	2	4	2	0	0	1	0	45.0
12:00 PM	33	0	0	0	0	3	11	10	5	2	1	1	0	0	42.1
1:00 PM	14	0	0	0	0	1	1	6	2	3	1	0	0	0	44.5
Total	233	0	0	0	2	23	58	67	45	23	9	4	2	0	43.1
%		0.0	0.0	0.0	0.9	9.9	24.9	28.8	19.3	9.9	3.9	1.7	0.9	0.0	

**Average (Mean)** 43.1 mph      **Minimum** 25.2 mph      **Maximum** 69.7 mph      **Pace Range** 36.9 - 46.9 mph      130 vehicles (55.8%)

**Percentile Speeds**  
 (mph)      10%      15%      50%      85%      90%  
                  34.8      35.8      42.7      50.5      52.2

**Speeds Exceeded**  
                  25 mph      35 mph      45 mph      55 mph      65 mph      75 mph  
                  100% (233)      88.4% (206)      35.6% (83)      6.4% (15)      0.9% (2)      0% (0)

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN YCM STONERIDGE SIDE  
 POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
 1/13/2024  
 Saturday

24 Hour Speed

		NW														
mph		0 -	15 -	20 -	25 -	30 -	35 -	40 -	45 -	50 -	55 -	60 -	65 -	70 -		
	Total	< 15	< 20	< 25	< 30	< 35	< 40	< 45	< 50	< 55	< 60	< 65	< 70	< 200	Avg.	
2:00 PM	17	0	0	0	0	0	7	4	4	2	0	0	0	0	43.3	
3:00 PM	17	0	0	0	0	1	4	4	4	2	2	0	0	0	45.0	
4:00 PM	21	0	0	0	0	1	5	6	5	3	1	0	0	0	44.1	
5:00 PM	17	0	1	0	0	0	4	3	5	3	0	1	0	0	43.9	
6:00 PM	10	0	0	0	0	1	2	2	2	2	0	1	0	0	45.5	
7:00 PM	7	0	0	0	0	0	1	3	0	1	2	0	0	0	46.9	
8:00 PM	9	0	0	0	0	2	0	3	0	3	0	0	0	1	47.5	
9:00 PM	4	0	0	0	0	0	0	0	1	1	1	0	1	0	55.7	
10:00 PM	1	0	0	0	0	0	0	0	0	0	0	1	0	0	62.3	
11:00 PM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	36.0	
1/14/2024																
12:00 AM	2	0	0	0	0	0	1	1	0	0	0	0	0	0	38.5	
1:00 AM	1	0	0	0	0	0	0	0	1	0	0	0	0	0	48.0	
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
6:00 AM	2	0	0	0	0	0	1	1	0	0	0	0	0	0	41.8	
7:00 AM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	39.6	
8:00 AM	4	0	0	0	0	0	2	1	0	1	0	0	0	0	42.6	
9:00 AM	19	0	0	0	0	0	4	6	3	3	2	1	0	0	46.8	
10:00 AM	30	0	0	0	0	3	12	6	5	2	2	0	0	0	42.7	
11:00 AM	20	0	0	0	1	1	5	4	5	4	0	0	0	0	43.2	
12:00 PM	21	0	0	0	0	1	5	9	3	2	1	0	0	0	43.5	
1:00 PM	26	0	0	0	0	2	6	7	6	3	2	0	0	0	43.9	
Total	230	0	1	0	1	12	61	60	44	32	13	4	1	1	44.4	
%		0.0	0.4	0.0	0.4	5.2	26.5	26.1	19.1	13.9	5.7	1.7	0.4	0.4		
Average (Mean)		44.4 mph		Minimum 18.4 mph		Maximum 73.7 mph				Pace Range 36.4 - 46.4 mph		131 vehicles (57.0%)				
Percentile Speeds		<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>										
(mph)		36.2	37.2	43.3	52.2	54.4										
Speeds Exceeded		<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>									
		99.6% (229)	93.9% (216)	41.3% (95)	8.3% (19)	0.9% (2)	0% (0)									



ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN YCM STONERIDGE SIDE  
POSTED SPEED : 35 MPH

Site: YV-PC3076-3  
1/14/2024  
Sunday

# 24 Hour Speed

		NW														
mph		0 -	15 -	20 -	25 -	30 -	35 -	40 -	45 -	50 -	55 -	60 -	65 -	70 -		
	Total	< 15	< 20	< 25	< 30	< 35	< 40	< 45	< 50	< 55	< 60	< 65	< 70	< 200	Avg.	
2:00 PM	21	0	0	0	0	1	8	9	0	3	0	0	0	0	41.5	
3:00 PM	21	0	0	0	0	1	9	5	2	4	0	0	0	0	42.0	
4:00 PM	25	0	0	0	0	1	4	9	5	5	0	1	0	0	45.3	
5:00 PM	20	0	0	0	0	3	6	2	5	3	1	0	0	0	43.2	
6:00 PM	8	0	0	0	0	0	1	3	1	1	0	1	0	1	49.4	
7:00 PM	9	0	0	0	0	1	2	3	2	1	0	0	0	0	42.5	
8:00 PM	4	0	0	0	0	0	1	2	0	0	1	0	0	0	44.8	
9:00 PM	2	0	0	0	0	1	0	0	0	1	0	0	0	0	42.7	
10:00 PM	2	0	0	0	0	0	1	1	0	0	0	0	0	0	40.6	
11:00 PM	2	0	0	0	0	0	0	0	1	1	0	0	0	0	48.7	
1/15/2024																
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
5:00 AM	4	0	0	0	0	1	1	1	1	0	0	0	0	0	39.4	
6:00 AM	5	0	0	0	0	0	2	0	1	1	0	0	0	1	48.7	
7:00 AM	9	0	0	0	0	0	1	1	4	3	0	0	0	0	46.9	
8:00 AM	16	0	0	0	0	0	3	8	4	1	0	0	0	0	43.4	
9:00 AM	13	0	0	0	0	1	2	3	6	0	1	0	0	0	43.5	
10:00 AM	22	0	0	0	0	0	5	9	5	2	1	0	0	0	43.9	
11:00 AM	21	0	0	0	0	1	3	5	9	2	1	0	0	0	45.4	
12:00 PM	32	0	0	0	1	3	11	10	6	1	0	0	0	0	40.2	
1:00 PM	28	0	0	0	0	1	5	12	4	5	1	0	0	0	44.5	
Total	264	0	0	0	1	15	65	83	56	34	6	2	0	2	43.6	
%		0.0	0.0	0.0	0.4	5.7	24.6	31.4	21.2	12.9	2.3	0.8	0.0	0.8		
Average (Mean)		43.6 mph		Minimum 28.8 mph		Maximum 73.6 mph		Pace Range		37.1 - 47.1 mph		161 vehicles (61.0%)				
Percentile Speeds		<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>										
(mph)		35.7	37.3	42.5	50.5	51.6										
Speeds Exceeded		<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>									
		100% (264)	93.6% (247)	36.0% (95)	3.8% (10)	0.8% (2)	0% (0)									

## Crash Summary

### Segment 1: Stoneridge Drive to the West of Town Limits

Data Period: 2019 - 2021

Total Crashes: 0

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash

### Segment 2: Stoneridge Drive to about 850 feet East of Cloud Cliff Pass

Data Period: 2019 - 2021

Total Crashes: 2

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3485139	2/10/2019	5:52 AM	2019	Old Black Canyon Highway	Sterling Street	1500	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	Yes
2	3666537	7/24/2020	12:45 PM	2020	Old Black Canyon Highway	Fire Butte Way	0	No Injury	Single Vehicle	Daylight	1	0	0	

### Segment 3: About 850 feet East of Cloud Cliff Pass to the East of Town Limits

Data Period: 2019 - 2021

Total Crashes: 1

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3531260	6/6/2019	8:05 PM	2019	Old Black Canyon Highway	Fire Butte Way	0.5	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	Yes

# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



**Segment Studied:** Old Black Canyon Highway

**From:** Town Limits

**To:** High Point Drive

**Length:** 0.6 miles

## Study Area Map - Existing Speed Limits



**Introduction:**

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

**Roadway Characteristics:**

- Functional Classification: minor arterial
- Existing Speed Limit: 25 mph
- One lane in each direction separated by a double-yellow centerline
- Pavement width varies from about 30 to 40 feet
- Curb, gutter, and sidewalk on both sides of the roadway except near High Point Drive
- No bike lanes, but street lighting near a few intersections
- On-street parking is permitted on both sides of the street.
- During the time of the field review and data collection conducted for this study, Old Black Canyon Highway was unpaved west of this segment for a length of about 2 miles. Its alignment traverses through both the Town of Prescott Valley and unincorporated Yavapai County. The town and county have implemented plans to pave the unpaved portion of the roadway. At each end of the newly paved segment, a series of two speed tables was included in the project plans along with the paving work.

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Tuesday, May 30, 2023, a day when schools were not in session, at the following location:

- Site A: Old Black Canyon Highway, between Fiesta Lane and Neoga Circle

The Town of Prescott Valley also provided traffic count and speed data collected between January 8 and January 14, 2024, after at least part of the paving project had been completed, at the following location:

- Site B: Old Black Canyon Highway at the eastern terminus of Yavapai County's maintenance, near Buck Haven Circle

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b>Site A: Between Fiesta Lane and Neoga Circle</b>			
Eastbound	26 mph	29 mph	85
Westbound	25 mph	29 mph	88
Both Directions	26 mph	29 mph	173
<b>Site B: Near Buck Haven Circle</b>			
Eastbound	31 mph	36 mph	351
Westbound	30 mph	35 mph	362
Both Directions	31 mph	36 mph	713

- At Site A, the average speed is 26 mph, and the 85th-percentile speed is 29 mph.
- At Site B, based on data recorded much later, average speeds are about 5 mph higher and 85th-percentile speeds are about 7 mph higher than before. Average daily traffic volume increased by a factor of more than four.
- Even after the increases in traffic volume likely attributable to the paving project, traffic volume remains low. Many agencies consider traffic volumes less than 800 vehicles per day low enough that no volume-related mitigation is necessary or appropriate, even on local streets. Arterial streets such as Old Black Canyon Highway are intended to carry even more traffic.

**Crash Analysis:**

Tabular crash information was queried from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). No crashes occurred during this period.

**Roadside Development and Environment:**

- Nearby zoning is R1L – Residential (Single Family Limited).
- Single-family homes front the street.

**Speed Limit Recommendation:**

Retain the existing 25-mph speed limit, for the following reasons:

- The presence of front-facing homes indicates for a speed limit no greater than 25 mph.
- On-street parking requires drivers to open their doors into traffic, and an increase in speed limit would not support safe and comfortable ingress and egress to vehicles parked on the street.



**Recommended Action Items:**

- At least one and possibly both of the speed tables proposed in this part of Old Black Canyon Highway appear to be outside the limits of the town of Prescott Valley. This report does not address traffic control devices on the eastbound approach to the speed tables because these traffic control devices will be outside the town limits. However, traffic control devices on the westbound approach will be within the town limits even if the speed tables are outside the town. As such, the following recommendations apply to traffic control devices on the westbound approach to the proposed speed tables:
  - The plans for construction of the speed tables include warning signs with the legend “SPEED HUMP AHEAD.” Lee Engineering recommends instead using the legend “SPEED HUMPS.” Omitting the word “AHEAD” will allow the text to be larger and easier to read at a greater distance. Using the plural is most appropriate because there are two speed humps in each series. The plural legend will help communicate that drivers should not resume their normal speed after passing the first device. This sign legend more closely matches the standard W17-1 sign in the *Manual on Uniform Traffic Control Devices* (MUTCD).
  - The plans do not show any advisory speed plaques associated with these warning signs. Advisory plaques are recommended to communicate to approaching motorists the significant speed reduction that could be needed. The speed posted on the advisory plaques should be based on the speed characteristics of the proposed speed tables.
  - Alternatively, the town could consider incorporating the advisory speed in the body of the main warning sign and providing an advisory distance plaque (rounded to the nearest 100 feet).
  - It appears that the area near the proposed speed tables will not have nearby streetlighting. As such, the devices may be difficult to see during hours of darkness, especially over time as the pavement markings fade. The town may wish to consider posting a SPEED HUMP warning sign with a diagonal downward arrow at the location of each speed table in each direction to help alert motorists to their presence. These signs may also help discourage motorists from leaving the pavement to circumvent the speed tables.

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-072  
Old Black Canyon Hwy btwn Fiesta Ln &  
Neoga Cir 34.565056, -112.284489  
Latitude: 0' 0.0000 Undefined

## Eastbound

Start Time	0 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 71	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	26	28
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
06:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	28	29
07:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	21	23
08:00	0	0	0	4	1	0	0	0	0	0	0	0	0	0	5	24	26
09:00	0	0	0	2	2	3	0	0	0	0	0	0	0	0	7	29	33
10:00	0	1	0	2	3	0	0	0	0	0	0	0	0	0	6	24	28
11:00	0	0	0	4	1	2	0	0	0	0	0	0	0	0	7	27	32
12 PM	0	0	0	3	3	1	0	0	0	0	0	0	0	0	7	27	29
13:00	0	0	0	4	4	3	0	0	0	0	0	0	0	0	11	28	32
14:00	0	0	0	1	7	0	0	0	0	0	0	0	0	0	8	27	29
15:00	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4	28	29
16:00	0	0	1	4	2	0	0	0	0	0	0	0	0	0	7	24	27
17:00	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4	27	29
18:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	18	19
19:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	18	23
20:00	0	0	0	2	3	0	0	0	0	0	0	0	0	0	5	26	28
21:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
22:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	0	2	3	33	38	9	0	0	0	0	0	0	0	0	85		
Percent	0.0%	2.4%	3.5%	38.8%	44.7%	10.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.		10:00 1	07:00 1	08:00 4	10:00 3	09:00 3									09:00 7		
PM Peak Vol.		19:00 1	16:00 1	13:00 4	14:00 7	13:00 3									13:00 11		
Total	0	2	3	33	38	9	0	0	0	0	0	0	0	0	85		
Percent	0.0%	2.4%	3.5%	38.8%	44.7%	10.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 21 MPH  
50th Percentile : 25 MPH  
85th Percentile : 29 MPH  
95th Percentile : 32 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 71  
Percent in Pace : 83.5%  
Number of Vehicles > 25 MPH : 47  
Percent of Vehicles > 25 MPH : 55.3%  
Mean Speed(Average) : 26 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-072  
Old Black Canyon Hwy btwn Fiesta Ln &  
Neoga Cir 34.565056, -112.284489  
Latitude: 0' 0.0000 Undefined

## Westbound

Start Time	0 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	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
07:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
08:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3	25	27
09:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3	25	27
10:00	0	0	2	2	5	0	0	0	0	0	0	0	0	0	9	25	28
11:00	0	0	0	3	2	0	0	0	0	0	0	0	0	0	5	25	28
12 PM	0	0	0	3	4	1	0	0	0	0	0	0	0	0	8	27	29
13:00	0	0	2	4	4	3	0	0	0	0	0	0	0	0	13	26	31
14:00	0	0	1	1	4	0	0	0	0	0	0	0	0	0	6	26	28
15:00	0	0	0	7	2	1	0	0	0	0	0	0	0	0	10	25	28
16:00	0	0	0	6	3	0	0	0	0	0	0	0	0	0	9	25	27
17:00	0	0	0	2	2	2	0	0	0	0	0	0	0	0	6	28	32
18:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4	23	27
19:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	18	19
20:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3	25	27
21:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	26	28
22:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	0	0	7	40	34	7	0	0	0	0	0	0	0	0	88		
Percent	0.0%	0.0%	8.0%	45.5%	38.6%	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.			10:00 2	11:00 3	10:00 5										10:00 9		
PM Peak Vol.			13:00 2	15:00 7	12:00 4	13:00 3									13:00 13		
Total	0	0	7	40	34	7	0	0	0	0	0	0	0	0	88		
Percent	0.0%	0.0%	8.0%	45.5%	38.6%	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 20 MPH  
50th Percentile : 24 MPH  
85th Percentile : 29 MPH  
95th Percentile : 31 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 74  
Percent in Pace : 84.1%  
Number of Vehicles > 25 MPH : 41  
Percent of Vehicles > 25 MPH : 46.6%  
Mean Speed(Average) : 25 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-072  
Old Black Canyon Hwy btwn Fiesta Ln &  
Neoga Cir 34.565056, -112.284489  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
03:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3	25	27
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
06:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	26	28
07:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3	23	27
08:00	0	0	0	6	2	0	0	0	0	0	0	0	0	0	8	24	27
09:00	0	0	0	4	3	3	0	0	0	0	0	0	0	0	10	27	32
10:00	0	1	2	4	8	0	0	0	0	0	0	0	0	0	15	24	28
11:00	0	0	0	7	3	2	0	0	0	0	0	0	0	0	12	26	30
12 PM	0	0	0	6	7	2	0	0	0	0	0	0	0	0	15	27	29
13:00	0	0	2	8	8	6	0	0	0	0	0	0	0	0	24	27	32
14:00	0	0	1	2	11	0	0	0	0	0	0	0	0	0	14	27	29
15:00	0	0	0	7	6	1	0	0	0	0	0	0	0	0	14	26	29
16:00	0	0	1	10	5	0	0	0	0	0	0	0	0	0	16	24	27
17:00	0	0	0	3	5	2	0	0	0	0	0	0	0	0	10	28	31
18:00	0	0	2	2	1	0	0	0	0	0	0	0	0	0	5	22	26
19:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3	18	22
20:00	0	0	0	4	4	0	0	0	0	0	0	0	0	0	8	26	28
21:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	26	28
22:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	23	24
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	0	2	10	73	72	16	0	0	0	0	0	0	0	0	173		
Percent	0.0%	1.2%	5.8%	42.2%	41.6%	9.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		10:00	10:00	11:00	10:00	09:00									10:00		
Vol.		1	2	7	8	3									15		
PM Peak		19:00	13:00	16:00	14:00	13:00									13:00		
Vol.		1	2	10	11	6									24		
Total	0	2	10	73	72	16	0	0	0	0	0	0	0	0	173		
Percent	0.0%	1.2%	5.8%	42.2%	41.6%	9.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 20 MPH  
50th Percentile : 25 MPH  
85th Percentile : 29 MPH  
95th Percentile : 32 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 145  
Percent in Pace : 83.8%  
Number of Vehicles > 25 MPH : 88  
Percent of Vehicles > 25 MPH : 50.9%  
Mean Speed(Average) : 26 MPH

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN/END YCM PCC SIDE  
 POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
 1/8/2024  
 Monday

### 24 Hour Speed

		NW														
mph		0 -	15 -	20 -	25 -	30 -	35 -	40 -	45 -	50 -	55 -	60 -	65 -	70 -		
	Total	< 15	< 20	< 25	< 30	< 35	< 40	< 45	< 50	< 55	< 60	< 65	< 70	< 200	Avg.	
3:00 PM	37	1	0	6	17	8	3	1	0	1	0	0	0	0	29.8	
4:00 PM	24	0	0	2	7	9	5	1	0	0	0	0	0	0	31.1	
5:00 PM	31	0	0	5	12	8	4	2	0	0	0	0	0	0	30.6	
6:00 PM	20	0	0	3	7	5	3	1	1	0	0	0	0	0	31.1	
7:00 PM	14	0	0	3	2	7	2	0	0	0	0	0	0	0	30.5	
8:00 PM	9	0	0	1	1	5	0	1	1	0	0	0	0	0	33.5	
9:00 PM	2	0	0	1	0	1	0	0	0	0	0	0	0	0	26.6	
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
11:00 PM	3	0	0	1	0	2	0	0	0	0	0	0	0	0	28.8	
1/9/2024																
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
2:00 AM	1	1	0	0	0	0	0	0	0	0	0	0	0	0	14.1	
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
5:00 AM	3	0	0	0	2	1	0	0	0	0	0	0	0	0	29.4	
6:00 AM	12	0	1	1	5	4	1	0	0	0	0	0	0	0	28.5	
7:00 AM	31	0	5	3	11	5	5	1	1	0	0	0	0	0	28.4	
8:00 AM	29	0	0	3	11	9	3	1	1	1	0	0	0	0	31.7	
9:00 AM	21	0	1	3	4	6	4	2	1	0	0	0	0	0	31.7	
10:00 AM	37	1	1	4	14	8	5	4	0	0	0	0	0	0	30.6	
11:00 AM	34	1	2	5	7	14	4	1	0	0	0	0	0	0	29.5	
12:00 PM	39	0	1	3	19	11	5	0	0	0	0	0	0	0	29.7	
1:00 PM	47	1	1	6	23	11	3	0	2	0	0	0	0	0	29.1	
2:00 PM	28	0	1	2	11	10	3	1	0	0	0	0	0	0	29.6	
Total	422	5	13	52	153	124	50	16	7	2	0	0	0	0	30.1	
%		1.2	3.1	12.3	36.3	29.4	11.8	3.8	1.7	0.5	0.0	0.0	0.0	0.0		
Average (Mean)		30.1 mph		Minimum 13.5 mph		Maximum 51.9 mph				Pace Range 24.9 - 34.9 mph		281 vehicles (66.6%)				
Percentile Speeds		10%		15%		50%		85%		90%						
(mph)		23.3		24.6		29.7		35.9		37.9						
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph				
		83.2% (351)		17.3% (73)		2.1% (9)		0% (0)		0% (0)		0% (0)				

ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN/END YCM PCC SIDE  
POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
1/9/2024  
Tuesday

### 24 Hour Speed

mph	NW														Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
3:00 PM	36	1	1	3	10	17	3	1	0	0	0	0	0	0	30.0	
4:00 PM	28	0	0	4	10	9	4	1	0	0	0	0	0	0	30.0	
5:00 PM	26	0	1	5	8	8	1	2	1	0	0	0	0	0	29.7	
6:00 PM	23	2	0	4	8	6	3	0	0	0	0	0	0	0	28.0	
7:00 PM	9	0	0	1	3	2	3	0	0	0	0	0	0	0	31.2	
8:00 PM	7	0	0	0	2	4	1	0	0	0	0	0	0	0	32.2	
9:00 PM	3	0	0	0	1	1	0	0	0	1	0	0	0	0	37.2	
10:00 PM	3	0	0	0	2	1	0	0	0	0	0	0	0	0	30.4	
11:00 PM	4	0	0	0	1	2	0	0	1	0	0	0	0	0	36.3	
1/10/2024																
12:00 AM	1	0	1	0	0	0	0	0	0	0	0	0	0	0	19.9	
1:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	30.0	
2:00 AM	1	1	0	0	0	0	0	0	0	0	0	0	0	0	14.6	
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
4:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	31.2	
5:00 AM	4	0	0	0	4	0	0	0	0	0	0	0	0	0	28.0	
6:00 AM	7	0	0	1	2	0	3	0	1	0	0	0	0	0	34.0	
7:00 AM	31	0	0	5	10	10	3	2	1	0	0	0	0	0	31.3	
8:00 AM	23	0	0	2	6	8	4	1	2	0	0	0	0	0	32.9	
9:00 AM	18	0	0	1	8	4	2	2	1	0	0	0	0	0	32.4	
10:00 AM	37	0	0	7	11	11	6	2	0	0	0	0	0	0	30.4	
11:00 AM	33	0	0	4	10	13	6	0	0	0	0	0	0	0	31.1	
12:00 PM	32	0	0	3	12	11	3	2	1	0	0	0	0	0	31.4	
1:00 PM	32	1	0	3	14	10	4	0	0	0	0	0	0	0	29.4	
2:00 PM	25	0	0	1	9	9	3	1	2	0	0	0	0	0	32.5	
Total	385	5	3	44	131	128	49	14	10	1	0	0	0	0	30.8	
%		1.3	0.8	11.4	34.0	33.2	12.7	3.6	2.6	0.3	0.0	0.0	0.0	0.0		
Average (Mean)		30.8 mph		Minimum		10.2 mph		Maximum		54.5 mph		Pace Range		25.6 - 35.6 mph		263 vehicles (68.3%)
Percentile Speeds		<u>10%</u>		<u>15%</u>		<u>50%</u>		<u>85%</u>		<u>90%</u>						
(mph)		24.0		25.2		30.4		35.6		37.4						
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph				
		86.2% (332)		19.2% (74)		2.9% (11)		0% (0)		0% (0)		0% (0)				

ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN/END YCM PCC SIDE  
POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
1/10/2024  
Wednesday

### 24 Hour Speed

		NW														
mph		0 -	15 -	20 -	25 -	30 -	35 -	40 -	45 -	50 -	55 -	60 -	65 -	70 -		
	Total	< 15	< 20	< 25	< 30	< 35	< 40	< 45	< 50	< 55	< 60	< 65	< 70	< 200	Avg.	
3:00 PM	28	0	1	5	13	5	3	1	0	0	0	0	0	0	29.3	
4:00 PM	36	2	1	2	20	6	2	2	1	0	0	0	0	0	29.2	
5:00 PM	22	0	0	1	9	7	3	2	0	0	0	0	0	0	31.3	
6:00 PM	23	0	0	5	8	9	1	0	0	0	0	0	0	0	28.7	
7:00 PM	12	0	0	2	4	5	1	0	0	0	0	0	0	0	29.5	
8:00 PM	9	1	0	2	2	3	1	0	0	0	0	0	0	0	28.3	
9:00 PM	3	0	0	1	1	0	0	1	0	0	0	0	0	0	30.3	
10:00 PM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	31.6	
11:00 PM	4	0	0	0	1	2	0	1	0	0	0	0	0	0	33.6	
1/11/2024																
12:00 AM	2	1	0	0	0	0	1	0	0	0	0	0	0	0	25.4	
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
4:00 AM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	35.1	
5:00 AM	3	0	0	0	2	1	0	0	0	0	0	0	0	0	29.6	
6:00 AM	6	0	0	3	1	2	0	0	0	0	0	0	0	0	27.5	
7:00 AM	10	1	3	5	0	1	0	0	0	0	0	0	0	0	21.4	
8:00 AM	13	1	3	2	6	0	1	0	0	0	0	0	0	0	24.1	
9:00 AM	13	0	1	11	1	0	0	0	0	0	0	0	0	0	22.9	
10:00 AM	12	1	0	3	5	1	2	0	0	0	0	0	0	0	26.5	
11:00 AM	21	0	0	4	10	4	2	1	0	0	0	0	0	0	28.9	
12:00 PM	23	0	0	5	9	4	2	2	1	0	0	0	0	0	30.6	
1:00 PM	26	0	0	5	10	6	3	1	1	0	0	0	0	0	30.1	
2:00 PM	18	0	0	1	7	7	1	1	1	0	0	0	0	0	31.5	
Total	286	7	9	57	109	64	24	12	4	0	0	0	0	0	28.8	
%		2.4	3.1	19.9	38.1	22.4	8.4	4.2	1.4	0.0	0.0	0.0	0.0	0.0		
Average (Mean)		28.8 mph		Minimum 11.3 mph		Maximum 49.5 mph				Pace Range 21.6 - 31.6 mph		191 vehicles (66.8%)				
Percentile Speeds		10%	15%	50%	85%	90%										
(mph)		21.8	22.8	28.5	34.4	36.2										
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph									
		73.8% (211)	13.3% (38)	1.4% (4)	0% (0)	0% (0)	0% (0)									

ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN/END YCM PCC SIDE  
POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
1/11/2024  
Thursday

### 24 Hour Speed

		NW														
mph		0 -	15 -	20 -	25 -	30 -	35 -	40 -	45 -	50 -	55 -	60 -	65 -	70 -		
	Total	< 15	< 20	< 25	< 30	< 35	< 40	< 45	< 50	< 55	< 60	< 65	< 70	< 200	Avg.	
3:00 PM	27	1	1	5	8	5	5	1	1	0	0	0	0	0	30.4	
4:00 PM	39	0	0	9	12	12	5	1	0	0	0	0	0	0	29.7	
5:00 PM	22	0	0	1	8	9	3	1	0	0	0	0	0	0	31.2	
6:00 PM	15	0	1	0	7	4	2	1	0	0	0	0	0	0	30.5	
7:00 PM	16	0	0	3	7	3	2	1	0	0	0	0	0	0	29.8	
8:00 PM	10	0	1	2	4	2	1	0	0	0	0	0	0	0	28.1	
9:00 PM	10	0	0	2	3	2	1	2	0	0	0	0	0	0	31.0	
10:00 PM	2	0	0	0	0	1	1	0	0	0	0	0	0	0	35.8	
11:00 PM	3	0	0	0	2	0	0	0	1	0	0	0	0	0	34.5	
1/12/2024																
12:00 AM	1	0	0	1	0	0	0	0	0	0	0	0	0	0	24.4	
1:00 AM	2	0	1	0	0	1	0	0	0	0	0	0	0	0	24.2	
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
3:00 AM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	26.1	
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
5:00 AM	3	0	0	1	1	1	0	0	0	0	0	0	0	0	28.5	
6:00 AM	9	0	0	0	4	2	1	1	0	1	0	0	0	0	34.8	
7:00 AM	15	1	1	4	4	4	0	1	0	0	0	0	0	0	26.9	
8:00 AM	30	0	0	3	10	8	2	5	1	1	0	0	0	0	32.7	
9:00 AM	25	0	1	4	9	8	1	2	0	0	0	0	0	0	29.5	
10:00 AM	25	0	0	3	10	8	3	1	0	0	0	0	0	0	30.0	
11:00 AM	41	2	3	4	19	12	0	1	0	0	0	0	0	0	27.3	
12:00 PM	25	0	1	2	11	8	1	0	0	2	0	0	0	0	30.1	
1:00 PM	30	0	1	5	7	11	5	0	1	0	0	0	0	0	30.1	
2:00 PM	54	0	0	7	18	21	3	4	1	0	0	0	0	0	30.7	
Total	405	4	11	56	145	122	36	22	5	4	0	0	0	0	30.0	
%		1.0	2.7	13.8	35.8	30.1	8.9	5.4	1.2	1.0	0.0	0.0	0.0	0.0		
Average (Mean)		30.0 mph		Minimum 11.1 mph		Maximum 54.5 mph				Pace Range 23.6 - 33.6 mph		279 vehicles (68.9%)				
Percentile Speeds		<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>										
(mph)		23.2	24.6	29.5	35.5	37.7										
Speeds Exceeded		<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>									
		82.2% (333)	16.3% (66)	2.0% (8)	0% (0)	0% (0)	0% (0)									

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN/END YCM PCC SIDE  
 POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
 1/12/2024  
 Friday

### 24 Hour Speed

mph	NW														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
3:00 PM	32	0	0	4	14	9	5	0	0	0	0	0	0	0	29.8
4:00 PM	43	1	1	4	21	11	4	1	0	0	0	0	0	0	28.7
5:00 PM	25	1	0	3	10	5	2	3	1	0	0	0	0	0	30.1
6:00 PM	19	0	1	3	6	8	0	1	0	0	0	0	0	0	29.2
7:00 PM	16	0	0	3	5	4	3	0	1	0	0	0	0	0	31.4
8:00 PM	16	0	1	2	7	3	0	1	1	1	0	0	0	0	30.9
9:00 PM	4	0	0	0	2	1	0	0	0	1	0	0	0	0	34.2
10:00 PM	4	0	0	0	1	1	2	0	0	0	0	0	0	0	33.0
11:00 PM	2	0	0	0	1	0	0	0	1	0	0	0	0	0	36.9
1/13/2024															
12:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	30.5
1:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	30.7
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	31.3
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
6:00 AM	2	0	0	0	1	1	0	0	0	0	0	0	0	0	30.9
7:00 AM	6	0	0	0	3	3	0	0	0	0	0	0	0	0	29.3
8:00 AM	13	0	1	2	5	3	2	0	0	0	0	0	0	0	29.1
9:00 AM	20	0	0	4	8	6	1	1	0	0	0	0	0	0	29.2
10:00 AM	29	0	0	3	8	13	2	1	1	1	0	0	0	0	31.7
11:00 AM	24	0	0	2	9	12	0	1	0	0	0	0	0	0	30.1
12:00 PM	32	0	0	3	9	14	6	0	0	0	0	0	0	0	30.9
1:00 PM	20	1	0	4	7	5	0	1	2	0	0	0	0	0	30.2
2:00 PM	28	0	0	1	14	7	3	1	2	0	0	0	0	0	31.8
Total	338	3	4	38	131	109	30	11	9	3	0	0	0	0	30.3
%		0.9	1.2	11.2	38.8	32.2	8.9	3.3	2.7	0.9	0.0	0.0	0.0	0.0	
Average (Mean)		30.3 mph		Minimum 12.8 mph		Maximum 50.9 mph		Pace Range		25.0 - 35.0 mph		242 vehicles (71.6%)			
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		23.8	25.2	29.7	35.1	37.0									
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph								
		86.1% (291)	15.4% (52)	3.6% (12)	0% (0)	0% (0)	0% (0)								



ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN/END YCM PCC SIDE  
POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
1/13/2024  
Saturday

### 24 Hour Speed

		NW														
mph		0 -	15 -	20 -	25 -	30 -	35 -	40 -	45 -	50 -	55 -	60 -	65 -	70 -		
	Total	< 15	< 20	< 25	< 30	< 35	< 40	< 45	< 50	< 55	< 60	< 65	< 70	< 200	Avg.	
3:00 PM	25	1	0	5	7	9	2	1	0	0	0	0	0	0	29.5	
4:00 PM	27	0	0	3	9	6	6	2	1	0	0	0	0	0	32.8	
5:00 PM	34	0	0	5	11	13	2	2	0	1	0	0	0	0	30.6	
6:00 PM	16	0	0	1	3	11	1	0	0	0	0	0	0	0	31.1	
7:00 PM	15	0	0	0	5	6	2	2	0	0	0	0	0	0	33.1	
8:00 PM	12	0	0	2	6	4	0	0	0	0	0	0	0	0	28.7	
9:00 PM	6	0	0	1	0	1	2	0	1	1	0	0	0	0	38.0	
10:00 PM	3	0	0	0	0	1	0	1	0	0	1	0	0	0	42.8	
11:00 PM	3	0	0	1	1	0	0	0	1	0	0	0	0	0	33.8	
1/14/2024																
12:00 AM	2	0	0	0	1	1	0	0	0	0	0	0	0	0	29.6	
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
4:00 AM	1	1	0	0	0	0	0	0	0	0	0	0	0	0	13.3	
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
6:00 AM	2	0	0	0	1	1	0	0	0	0	0	0	0	0	31.8	
7:00 AM	6	0	0	1	4	1	0	0	0	0	0	0	0	0	27.8	
8:00 AM	8	0	0	2	4	0	2	0	0	0	0	0	0	0	28.7	
9:00 AM	14	0	0	1	6	3	3	1	0	0	0	0	0	0	32.0	
10:00 AM	27	0	1	2	15	4	5	0	0	0	0	0	0	0	28.9	
11:00 AM	33	0	0	4	14	11	4	0	0	0	0	0	0	0	30.0	
12:00 PM	27	0	1	1	16	7	2	0	0	0	0	0	0	0	29.2	
1:00 PM	34	0	1	4	9	15	3	2	0	0	0	0	0	0	30.7	
2:00 PM	46	0	3	5	19	14	5	0	0	0	0	0	0	0	28.8	
Total	341	2	6	38	131	108	39	11	3	2	1	0	0	0	30.4	
%		0.6	1.8	11.1	38.4	31.7	11.4	3.2	0.9	0.6	0.3	0.0	0.0	0.0		
Average (Mean)		30.4 mph		Minimum 13.3 mph		Maximum 55.7 mph				Pace Range 24.3 - 34.3 mph		251 vehicles (73.6%)				
Percentile Speeds		<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>										
(mph)		24.6	25.3	29.8	35.2	37.1										
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph				
		86.5% (295)		16.4% (56)		1.8% (6)		0.3% (1)		0% (0)		0% (0)				

ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN/END YCM PCC SIDE  
POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
1/14/2024  
Sunday

# 24 Hour Speed

mph	NW														Avg.					
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200						
3:00 PM	26	0	0	4	12	7	1	2	0	0	0	0	0	0	29.6					
4:00 PM	24	1	0	4	7	8	3	1	0	0	0	0	0	0	29.9					
5:00 PM	26	0	1	4	11	6	2	1	0	1	0	0	0	0	29.7					
6:00 PM	10	0	1	0	3	4	0	2	0	0	0	0	0	0	31.5					
7:00 PM	10	0	1	2	3	2	2	0	0	0	0	0	0	0	28.2					
8:00 PM	10	0	0	0	5	1	2	1	0	0	1	0	0	0	33.5					
9:00 PM	4	0	1	0	2	0	0	0	1	0	0	0	0	0	30.7					
10:00 PM	2	0	0	0	1	1	0	0	0	0	0	0	0	0	30.6					
11:00 PM	2	0	0	1	1	0	0	0	0	0	0	0	0	0	27.3					
1/15/2024																				
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-					
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-					
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-					
3:00 AM	1	0	0	1	0	0	0	0	0	0	0	0	0	0	20.4					
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-					
5:00 AM	5	0	0	0	1	3	1	0	0	0	0	0	0	0	32.7					
6:00 AM	4	0	0	0	2	0	1	1	0	0	0	0	0	0	34.0					
7:00 AM	13	0	0	1	5	2	3	1	1	0	0	0	0	0	33.4					
8:00 AM	17	0	0	1	8	5	2	0	1	0	0	0	0	0	30.7					
9:00 AM	25	0	0	0	14	7	2	2	0	0	0	0	0	0	30.9					
10:00 AM	35	0	2	5	12	13	3	0	0	0	0	0	0	0	29.1					
11:00 AM	37	0	1	2	16	10	5	2	0	1	0	0	0	0	30.9					
12:00 PM	33	0	0	0	15	12	6	0	0	0	0	0	0	0	30.8					
1:00 PM	37	0	0	2	16	12	7	0	0	0	0	0	0	0	30.6					
2:00 PM	33	3	1	2	11	12	4	0	0	0	0	0	0	0	27.9					
Total	354	4	8	29	145	105	44	13	3	2	1	0	0	0	30.2					
%		1.1	2.3	8.2	41.0	29.7	12.4	3.7	0.8	0.6	0.3	0.0	0.0	0.0						
Average (Mean)		30.2 mph			Minimum		11.8 mph			Maximum		56.1 mph			Pace Range		24.3 - 34.3 mph		258 vehicles (72.9%)	
Percentile Speeds		10%		15%		50%		85%		90%										
(mph)		24.6		25.6		29.5		35.5		36.8										
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph								
		88.1% (312)		16.9% (60)		1.7% (6)		0.3% (1)		0% (0)		0% (0)								

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN/END YCM PCC SIDE  
 POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
 1/8/2024  
 Monday

### 24 Hour Speed

mph	SE														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
3:00 PM	42	0	0	3	10	20	7	1	0	0	0	0	0	1	32.9
4:00 PM	33	1	0	3	6	17	6	0	0	0	0	0	0	0	31.4
5:00 PM	27	0	0	2	10	11	4	0	0	0	0	0	0	0	30.4
6:00 PM	18	0	0	1	2	10	2	2	1	0	0	0	0	0	34.2
7:00 PM	7	1	0	0	1	3	1	1	0	0	0	0	0	0	30.8
8:00 PM	11	0	0	0	2	5	3	0	0	0	0	0	0	1	37.4
9:00 PM	7	0	0	0	2	3	1	1	0	0	0	0	0	0	33.0
10:00 PM	10	0	0	0	1	2	6	1	0	0	0	0	0	0	35.4
11:00 PM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	28.7
1/9/2024															
12:00 AM	2	0	0	0	0	0	1	0	0	0	1	0	0	0	46.5
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
2:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	31.0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 AM	2	0	0	0	1	0	1	0	0	0	0	0	0	0	32.6
5:00 AM	2	0	0	1	1	0	0	0	0	0	0	0	0	0	25.1
6:00 AM	5	0	0	0	3	1	1	0	0	0	0	0	0	0	28.9
7:00 AM	15	0	1	2	7	5	0	0	0	0	0	0	0	0	28.1
8:00 AM	15	1	0	0	7	5	0	2	0	0	0	0	0	0	30.2
9:00 AM	28	0	1	1	8	9	8	1	0	0	0	0	0	0	31.8
10:00 AM	35	1	0	1	7	14	8	4	0	0	0	0	0	0	32.5
11:00 AM	24	0	1	3	5	8	4	3	0	0	0	0	0	0	31.8
12:00 PM	39	0	0	2	10	18	8	1	0	0	0	0	0	0	31.9
1:00 PM	32	0	0	3	11	10	7	1	0	0	0	0	0	0	31.4
2:00 PM	37	0	1	1	8	15	8	4	0	0	0	0	0	0	32.9
Total	393	4	4	23	103	157	76	22	1	0	1	0	0	2	32.1
%		1.0	1.0	5.9	26.2	39.9	19.3	5.6	0.3	0.0	0.3	0.0	0.0	0.5	

**Average (Mean)** 32.1 mph      **Minimum** 10.8 mph      **Maximum** 79.2 mph      **Pace Range** 27.0 - 37.0 mph      277 vehicles (70.5%)

**Percentile Speeds**  
 (mph)      10%      15%      50%      85%      90%  
                  25.5      27.0      31.8      37.0      38.4

**Speeds Exceeded**  
                  25 mph      35 mph      45 mph      55 mph      65 mph      75 mph  
                  91.9% (361)      25.7% (101)      1.0% (4)      0.8% (3)      0.5% (2)      0.3% (1)

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN/END YCM PCC SIDE  
 POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
 1/9/2024  
 Tuesday

### 24 Hour Speed

mph	SE														Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
3:00 PM	42	0	1	2	6	20	13	0	0	0	0	0	0	0	32.9	
4:00 PM	39	0	1	3	11	17	6	1	0	0	0	0	0	0	30.8	
5:00 PM	30	0	1	3	9	14	2	1	0	0	0	0	0	0	30.8	
6:00 PM	17	0	0	0	9	4	3	1	0	0	0	0	0	0	31.5	
7:00 PM	15	1	0	0	5	4	5	0	0	0	0	0	0	0	31.0	
8:00 PM	12	0	1	0	3	3	3	2	0	0	0	0	0	0	33.4	
9:00 PM	5	0	0	0	1	3	1	0	0	0	0	0	0	0	31.9	
10:00 PM	2	0	0	0	0	0	2	0	0	0	0	0	0	0	35.2	
11:00 PM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	29.6	
1/10/2024																
12:00 AM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	36.5	
1:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	34.5	
2:00 AM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	28.9	
3:00 AM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	39.1	
4:00 AM	2	0	0	0	1	0	0	1	0	0	0	0	0	0	33.9	
5:00 AM	6	0	0	1	1	1	1	1	1	0	0	0	0	0	34.1	
6:00 AM	5	0	0	0	3	1	1	0	0	0	0	0	0	0	31.0	
7:00 AM	15	1	1	1	1	9	2	0	0	0	0	0	0	0	29.4	
8:00 AM	19	0	0	0	5	11	3	0	0	0	0	0	0	0	31.6	
9:00 AM	28	0	1	0	6	12	9	0	0	0	0	0	0	0	32.6	
10:00 AM	19	1	0	3	3	6	5	1	0	0	0	0	0	0	30.8	
11:00 AM	32	0	0	0	7	18	4	3	0	0	0	0	0	0	33.0	
12:00 PM	35	0	0	2	10	13	8	1	1	0	0	0	0	0	32.1	
1:00 PM	34	0	0	4	9	8	11	2	0	0	0	0	0	0	32.1	
2:00 PM	33	0	0	0	13	13	6	1	0	0	0	0	0	0	31.9	
Total	395	3	6	19	105	158	87	15	2	0	0	0	0	0	31.9	
%		0.8	1.5	4.8	26.6	40.0	22.0	3.8	0.5	0.0	0.0	0.0	0.0	0.0		
Average (Mean)		31.9 mph		Minimum		10.6 mph		Maximum		46.6 mph		Pace Range		27.8 - 37.8 mph		286 vehicles (72.4%)
Percentile Speeds		<u>10%</u>		<u>15%</u>		<u>50%</u>		<u>85%</u>		<u>90%</u>						
(mph)		26.1		27.3		32.0		36.9		38.0						
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph				
		92.9% (367)		26.3% (104)		0.3% (1)		0% (0)		0% (0)		0% (0)				

ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN/END YCM PCC SIDE  
POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
1/10/2024  
Wednesday

### 24 Hour Speed

mph	SE														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
3:00 PM	28	1	0	3	5	12	6	1	0	0	0	0	0	0	31.0
4:00 PM	36	0	0	0	10	22	3	1	0	0	0	0	0	0	31.9
5:00 PM	34	0	1	2	7	16	6	2	0	0	0	0	0	0	31.5
6:00 PM	21	1	0	1	0	12	7	0	0	0	0	0	0	0	32.5
7:00 PM	8	0	0	1	0	5	2	0	0	0	0	0	0	0	32.5
8:00 PM	9	0	0	0	0	6	2	1	0	0	0	0	0	0	35.2
9:00 PM	4	0	0	0	1	2	1	0	0	0	0	0	0	0	32.8
10:00 PM	3	0	0	1	1	0	1	0	0	0	0	0	0	0	28.8
11:00 PM	2	0	0	0	0	1	1	0	0	0	0	0	0	0	34.8
1/11/2024															
12:00 AM	1	0	0	0	0	0	0	0	0	1	0	0	0	0	50.4
1:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	31.7
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 AM	2	0	0	0	2	0	0	0	0	0	0	0	0	0	27.7
5:00 AM	2	0	0	1	0	0	0	1	0	0	0	0	0	0	33.1
6:00 AM	3	0	0	0	2	1	0	0	0	0	0	0	0	0	29.0
7:00 AM	17	2	3	7	4	1	0	0	0	0	0	0	0	0	22.0
8:00 AM	20	3	2	5	7	3	0	0	0	0	0	0	0	0	23.8
9:00 AM	12	1	1	6	2	1	1	0	0	0	0	0	0	0	24.5
10:00 AM	11	1	3	3	2	2	0	0	0	0	0	0	0	0	22.7
11:00 AM	14	0	1	6	3	2	2	0	0	0	0	0	0	0	27.0
12:00 PM	21	0	0	3	8	7	3	0	0	0	0	0	0	0	29.9
1:00 PM	21	0	0	4	5	6	6	0	0	0	0	0	0	0	30.4
2:00 PM	26	1	0	4	6	13	2	0	0	0	0	0	0	0	29.3
Total	296	10	11	47	65	113	43	6	0	1	0	0	0	0	29.5
%		3.4	3.7	15.9	22.0	38.2	14.5	2.0	0.0	0.3	0.0	0.0	0.0	0.0	
Average (Mean)		29.5 mph		Minimum 10.9 mph		Maximum 50.4 mph				Pace Range 25.9 - 35.9 mph		185 vehicles (62.5%)			
Percentile Speeds		<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>									
(mph)		20.7	22.7	30.6	35.4	36.3									
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph			
		76.7% (227)		16.9% (50)		0.3% (1)		0% (0)		0% (0)		0% (0)			

ROAD : OLD BLACK CANYON HWY  
 LOCATION : BEGIN/END YCM PCC SIDE  
 POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
 1/11/2024  
 Thursday

### 24 Hour Speed

mph	SE														Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
3:00 PM	26	1	1	3	14	7	0	0	0	0	0	0	0	0	27.6	
4:00 PM	31	0	1	2	19	7	2	0	0	0	0	0	0	0	28.4	
5:00 PM	23	0	1	5	7	10	0	0	0	0	0	0	0	0	27.9	
6:00 PM	22	0	1	2	7	8	4	0	0	0	0	0	0	0	30.1	
7:00 PM	14	0	0	2	7	4	1	0	0	0	0	0	0	0	29.0	
8:00 PM	6	0	0	0	4	2	0	0	0	0	0	0	0	0	29.0	
9:00 PM	7	0	0	1	2	1	2	1	0	0	0	0	0	0	32.9	
10:00 PM	4	0	0	2	0	1	1	0	0	0	0	0	0	0	29.0	
11:00 PM	2	0	0	0	1	1	0	0	0	0	0	0	0	0	30.5	
1/12/2024																
12:00 AM	3	0	0	1	0	0	2	0	0	0	0	0	0	0	31.1	
1:00 AM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	27.9	
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
3:00 AM	2	0	0	0	1	1	0	0	0	0	0	0	0	0	30.5	
4:00 AM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	25.3	
5:00 AM	1	0	1	0	0	0	0	0	0	0	0	0	0	0	19.7	
6:00 AM	9	0	0	3	4	1	1	0	0	0	0	0	0	0	28.0	
7:00 AM	15	0	2	6	7	0	0	0	0	0	0	0	0	0	24.3	
8:00 AM	14	1	0	4	7	2	0	0	0	0	0	0	0	0	25.6	
9:00 AM	14	1	0	1	7	4	1	0	0	0	0	0	0	0	27.8	
10:00 AM	35	1	3	5	15	7	4	0	0	0	0	0	0	0	27.3	
11:00 AM	31	1	0	3	13	10	4	0	0	0	0	0	0	0	29.3	
12:00 PM	30	0	0	4	12	11	3	0	0	0	0	0	0	0	29.6	
1:00 PM	34	1	2	7	11	9	4	0	0	0	0	0	0	0	28.1	
2:00 PM	28	1	1	2	7	12	5	0	0	0	0	0	0	0	30.1	
Total	353	7	13	53	147	98	34	1	0	0	0	0	0	0	28.4	
%		2.0	3.7	15.0	41.6	27.8	9.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0		
Average (Mean)		28.4 mph		Minimum		11.2 mph		Maximum		43.0 mph		Pace Range		23.5 - 33.5 mph		251 vehicles (71.1%)
Percentile Speeds		<u>10%</u>		<u>15%</u>		<u>50%</u>		<u>85%</u>		<u>90%</u>						
(mph)		21.7		23.5		28.7		33.5		34.8						
Speeds Exceeded		<u>25 mph</u>		<u>35 mph</u>		<u>45 mph</u>		<u>55 mph</u>		<u>65 mph</u>		<u>75 mph</u>				
		79.0% (279)		9.9% (35)		0% (0)		0% (0)		0% (0)		0% (0)				

ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN/END YCM PCC SIDE  
POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
1/12/2024  
Friday

### 24 Hour Speed

mph	SE														Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
3:00 PM	43	0	2	3	17	14	5	2	0	0	0	0	0	0	30.0	
4:00 PM	44	0	0	5	12	16	8	2	1	0	0	0	0	0	31.5	
5:00 PM	23	0	0	1	11	8	2	1	0	0	0	0	0	0	30.4	
6:00 PM	11	0	0	2	4	4	1	0	0	0	0	0	0	0	29.5	
7:00 PM	10	0	0	0	1	6	3	0	0	0	0	0	0	0	34.1	
8:00 PM	6	0	0	0	1	4	0	1	0	0	0	0	0	0	34.5	
9:00 PM	9	0	0	0	4	4	1	0	0	0	0	0	0	0	31.5	
10:00 PM	3	0	0	0	1	0	2	0	0	0	0	0	0	0	33.7	
11:00 PM	7	0	0	0	0	1	3	2	0	1	0	0	0	0	39.8	
1/13/2024																
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
1:00 AM	2	0	0	0	1	1	0	0	0	0	0	0	0	0	30.0	
2:00 AM	1	0	0	0	0	0	0	0	0	1	0	0	0	0	52.9	
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
4:00 AM	2	0	0	0	0	0	1	1	0	0	0	0	0	0	40.6	
5:00 AM	1	0	0	0	0	0	0	0	1	0	0	0	0	0	46.2	
6:00 AM	7	0	0	1	2	3	1	0	0	0	0	0	0	0	30.4	
7:00 AM	7	1	0	0	2	1	3	0	0	0	0	0	0	0	29.0	
8:00 AM	14	0	0	1	6	4	3	0	0	0	0	0	0	0	30.8	
9:00 AM	14	1	0	2	5	1	5	0	0	0	0	0	0	0	29.2	
10:00 AM	28	0	0	1	4	16	6	1	0	0	0	0	0	0	32.6	
11:00 AM	34	3	0	3	6	15	7	0	0	0	0	0	0	0	29.7	
12:00 PM	26	1	0	0	6	13	4	1	1	0	0	0	0	0	31.9	
1:00 PM	29	0	0	2	9	12	6	0	0	0	0	0	0	0	31.1	
2:00 PM	33	1	1	1	14	14	1	0	1	0	0	0	0	0	30.2	
Total	354	7	3	22	106	137	62	11	4	2	0	0	0	0	31.2	
%		2.0	0.8	6.2	29.9	38.7	17.5	3.1	1.1	0.6	0.0	0.0	0.0	0.0		
Average (Mean)		31.2 mph		Minimum		10.0 mph		Maximum		52.9 mph		Pace Range		26.1 - 36.1 mph		256 vehicles (72.3%)
Percentile Speeds		<u>10%</u>		<u>15%</u>		<u>50%</u>		<u>85%</u>		<u>90%</u>						
(mph)		25.4		26.5		31.1		36.0		37.4						
Speeds Exceeded		<u>25 mph</u>		<u>35 mph</u>		<u>45 mph</u>		<u>55 mph</u>		<u>65 mph</u>		<u>75 mph</u>				
		90.7% (321)		22.3% (79)		1.7% (6)		0% (0)		0% (0)		0% (0)				

ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN/END YCM PCC SIDE  
POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
1/13/2024  
Saturday

### 24 Hour Speed

mph	SE															Avg.				
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200						
3:00 PM	31	1	0	2	7	15	6	0	0	0	0	0	0	0	31.1					
4:00 PM	29	1	0	0	6	11	11	0	0	0	0	0	0	0	32.5					
5:00 PM	20	0	0	3	5	8	3	1	0	0	0	0	0	0	31.1					
6:00 PM	10	0	0	0	4	2	4	0	0	0	0	0	0	0	33.2					
7:00 PM	12	0	0	0	2	7	3	0	0	0	0	0	0	0	33.2					
8:00 PM	10	0	0	0	2	4	2	2	0	0	0	0	0	0	34.6					
9:00 PM	6	1	0	1	2	2	0	0	0	0	0	0	0	0	26.8					
10:00 PM	3	0	0	1	0	1	1	0	0	0	0	0	0	0	31.8					
11:00 PM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	32.8					
1/14/2024																				
12:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	31.4					
1:00 AM	2	0	0	0	0	1	0	1	0	0	0	0	0	0	38.7					
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-					
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-					
4:00 AM	2	0	0	0	1	0	1	0	0	0	0	0	0	0	34.2					
5:00 AM	2	0	0	0	0	1	0	1	0	0	0	0	0	0	36.9					
6:00 AM	2	0	0	0	1	0	0	1	0	0	0	0	0	0	34.4					
7:00 AM	8	0	0	0	6	1	0	1	0	0	0	0	0	0	30.5					
8:00 AM	5	0	0	0	2	1	1	1	0	0	0	0	0	0	32.1					
9:00 AM	19	0	0	0	8	5	5	0	1	0	0	0	0	0	32.4					
10:00 AM	20	0	1	3	3	10	3	0	0	0	0	0	0	0	30.6					
11:00 AM	20	0	1	2	6	8	3	0	0	0	0	0	0	0	30.0					
12:00 PM	34	0	0	3	7	21	3	0	0	0	0	0	0	0	31.4					
1:00 PM	22	1	0	2	5	8	4	2	0	0	0	0	0	0	31.7					
2:00 PM	32	0	0	4	8	10	10	0	0	0	0	0	0	0	31.9					
Total	291	4	2	21	75	118	60	10	1	0	0	0	0	0	31.7					
%		1.4	0.7	7.2	25.8	40.5	20.6	3.4	0.3	0.0	0.0	0.0	0.0	0.0						
Average (Mean)		31.7 mph			Minimum		10.7 mph			Maximum		45.9 mph			Pace Range		27.0 - 37.0 mph		217 vehicles (74.6%)	
Percentile Speeds		10%		15%		50%		85%		90%										
(mph)		25.2		27.0		31.7		36.6		37.4										
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph								
		90.7% (264)		24.4% (71)		0.3% (1)		0% (0)		0% (0)		0% (0)								



ROAD : OLD BLACK CANYON HWY  
LOCATION : BEGIN/END YCM PCC SIDE  
POSTED SPEED : 25 MPH

Site: YV-PC3076-1  
1/14/2024  
Sunday

### 24 Hour Speed

mph	SE														Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
3:00 PM	39	1	0	3	11	17	5	2	0	0	0	0	0	0	31.1	
4:00 PM	31	0	1	4	10	16	0	0	0	0	0	0	0	0	29.1	
5:00 PM	18	0	0	3	8	6	1	0	0	0	0	0	0	0	29.5	
6:00 PM	8	0	0	0	2	4	2	0	0	0	0	0	0	0	31.9	
7:00 PM	11	0	0	0	3	7	1	0	0	0	0	0	0	0	32.1	
8:00 PM	10	0	0	1	4	2	2	1	0	0	0	0	0	0	31.2	
9:00 PM	5	0	0	0	0	3	2	0	0	0	0	0	0	0	34.7	
10:00 PM	5	0	0	0	3	2	0	0	0	0	0	0	0	0	31.0	
11:00 PM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	29.7	
1/15/2024																
12:00 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	30.1	
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
3:00 AM	1	0	0	0	0	0	0	1	0	0	0	0	0	0	43.2	
4:00 AM	1	0	0	0	0	0	0	1	0	0	0	0	0	0	41.0	
5:00 AM	1	0	1	0	0	0	0	0	0	0	0	0	0	0	15.1	
6:00 AM	8	0	0	2	3	1	0	2	0	0	0	0	0	0	30.8	
7:00 AM	9	1	0	0	2	3	3	0	0	0	0	0	0	0	30.9	
8:00 AM	12	0	0	0	3	7	2	0	0	0	0	0	0	0	32.2	
9:00 AM	21	0	0	2	4	12	3	0	0	0	0	0	0	0	31.5	
10:00 AM	38	1	1	3	11	14	6	1	1	0	0	0	0	0	30.7	
11:00 AM	43	0	0	1	11	24	7	0	0	0	0	0	0	0	31.7	
12:00 PM	32	0	0	0	5	13	14	0	0	0	0	0	0	0	33.8	
1:00 PM	40	0	1	1	13	17	6	2	0	0	0	0	0	0	31.8	
2:00 PM	40	0	0	1	7	25	6	1	0	0	0	0	0	0	32.5	
Total	375	3	4	21	101	174	60	11	1	0	0	0	0	0	31.5	
%		0.8	1.1	5.6	26.9	46.4	16.0	2.9	0.3	0.0	0.0	0.0	0.0	0.0		
Average (Mean)		31.5 mph		Minimum		10.9 mph		Maximum		46.8 mph		Pace Range		26.6 - 36.6 mph		289 vehicles (77.1%)
Percentile Speeds		<u>10%</u>		<u>15%</u>		<u>50%</u>		<u>85%</u>		<u>90%</u>						
(mph)		26.2		27.5		31.4		35.9		37.4						
Speeds Exceeded		25 mph		35 mph		45 mph		55 mph		65 mph		75 mph				
		92.5% (347)		19.2% (72)		0.3% (1)		0% (0)		0% (0)		0% (0)				

## Crash Summary

## Old Black Canyon Highway - Town Limits to High Point Drive

Data Period: 2019 - 2021

Total Crashes: 0

[illegible]

# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



**Segment Studied:** Prescott East Highway

**From:** Sunset Lane

**To:** Granville Fairway

**Length:** 0.8 miles

## Study Area Map - Existing Speed Limits



### Introduction:

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

Prescott East Highway has been divided into the following two segments to reflect different conditions along portions of the corridor:

- Segment 1: Sunset Lane to Antelope Lane
- Segment 2: Antelope Lane to Granville Fairway

### Segment 1: Sunset Lane to Antelope Lane

#### Roadway Characteristics:

- Functional Classification: collector
- Existing Speed Limit: 25 mph
- One lane in each direction mostly separated by a raised median
- Two horizontal traffic calming features, similar to roundabouts
- Pavement width varies from about 45 to 60 feet
- Negligible horizontal curvature
- No curb, gutter, street lighting, or sidewalk
- Edge lines that define shoulders on both sides of the roadway
- Uncontrolled crosswalks marked near the traffic calming devices

#### Data Collection:

No traffic counts were collected in Segment 1.

#### Speed and Traffic Volume:

No Speed or traffic volume was collected in Segment 1. It is expected that volume data collected in Segment 2 is similar to Segment 1; this data shows about 3,800 vehicles per day.

#### Crash Analysis:

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 1**. Complete crash data is attached.

**Table 1: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	0	0	0	0	0
2020	1	0	0	1	0
2021	4	2	0	6	1
<b>Total</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>1</b>

- Construction activities along this segment may have impacted crash patterns.
- The traffic calming devices and edge lines were not in place until after April 2021, according to historical aerial photos. Crash data does not reflect these devices, which are expected to improve safety performance.
- 7 crashes were reported, an average of about 2.3 crashes per year.
- One serious injury crash and one possible injury crash were reported.
- Assuming the traffic volume in Segment 2 is also applicable to Segment 1, the crash rate along the segment is 382 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 109 per 100 MVM.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM. The critical crash rate is 444 per 100 MVM, and the critical injury rate is 192 per 100 MVM.
- The crash rate along the corridor is 65% higher than the average rate on similar roadways. The injury rate along the corridor is also 65% higher than the average injury rate on similar roadways. The segment's crash rate is 14% below the critical crash rate, and the segment's injury rate is 43% lower than the critical injury rate on similar roadways.

### **Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited).
- Single-family homes front the street.

### **Speed Limit Recommendation:**

Retain the existing 25-mph speed limit, for the following reasons:

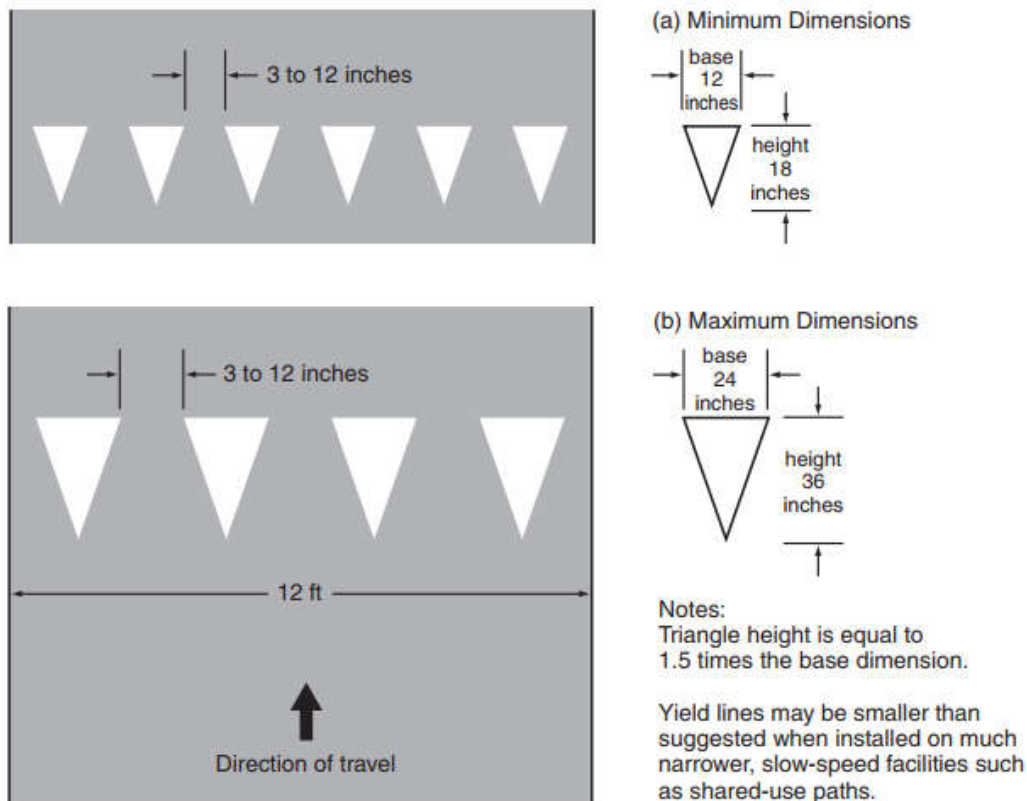
- The front-facing homes and lack of sidewalks clearly indicate a need for a speed limit no greater than 25 mph.
- Pedestrians walking along the street must walk on the shoulder. While the shoulder is much better than no accommodation, it is far less comfortable than a sidewalk. The proximity of pedestrians and motorists indicates a preference for a 25-mph speed limit.
- Crash and injury rates are both higher than average for typical roadways, an indication that the speed limit should not be increased.

### **Recommended Action Item:**

- Yield lines (sometimes known as “sharks’ teeth”) pavement markings are installed approaching the traffic calming devices. However, the markings may be difficult to discern because of their small size. Two sizes of yield line markings are permissible according to the *Manual on Uniform Traffic Control Devices* (MUTCD), as shown in the excerpt below. The larger size is typically preferred on public streets because of its increased conspicuity. The town may wish to consider using larger yield lines when the roadway is next resurfaced.



**Figure 3B-16. Recommended Yield Line Layouts**



## Segment 2: Antelope Lane to Granville Fairway

### Roadway Characteristics:

- Functional Classification: collector
- Existing Speed Limit: 25 mph
- One lane in each direction separated by a two-way left-turn lane
- Pavement width varies from about 35 to 55 feet
- Moderate horizontal curvature
- Curb and gutter on both sides of the roadway
- No bike lanes or shoulders
- Street lighting near intersections
- Sidewalk on the east side of the roadway, buffer-separated from the roadway

### Data Collection:

Traffic counts with speed data were recorded for a 24-hour period on Tuesday, November 29, 2022, a day when schools were in session, at the following location:

- Prescott East Highway, about 300 feet north of Antelope Lane

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 2**. Complete results are attached.

**Table 2: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>300 feet north of Antelope Lane</i></b>			
Northbound	30 mph	33 mph	1,829
Southbound	29 mph	32 mph	1,979
Both Directions	29 mph	33 mph	3,808

- The average speed is about 29 mph, slightly above the existing 25-mph speed limit.
- The 85th-percentile speed is about 33 mph.

**Crash Analysis:**

A summary of crashes is shown in **Table 3**. Complete crash data is attached.

**Table 3: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	1	0	0	1	1
2020	0	0	0	0	0
2021	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

- Overall crash history is excellent. Only one crash was reported, an average of about 0.3 crashes per year.
- No injury crashes occurred, but the PDO crash was reported as a speed-related crash.
- The crash rate along the segment is 63 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is zero per 100 MVM.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM.
- The crash rate along the segment is 73% lower than the average rate on similar roadways. Since no injury crashes occurred, the injury rate along the segment is 100% lower than the average injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), and PL – Public Lands.
- The Granville Recreational Vehicle (RV) Storage Facility and PV Solar Plant are about 800 feet north of Antelope Lane.
- The segment has excellent access management practices, with limited intersection spacing and few driveways.

**Speed Limit Recommendation:**

Increase the existing speed limit to 30 mph, for the following reasons:

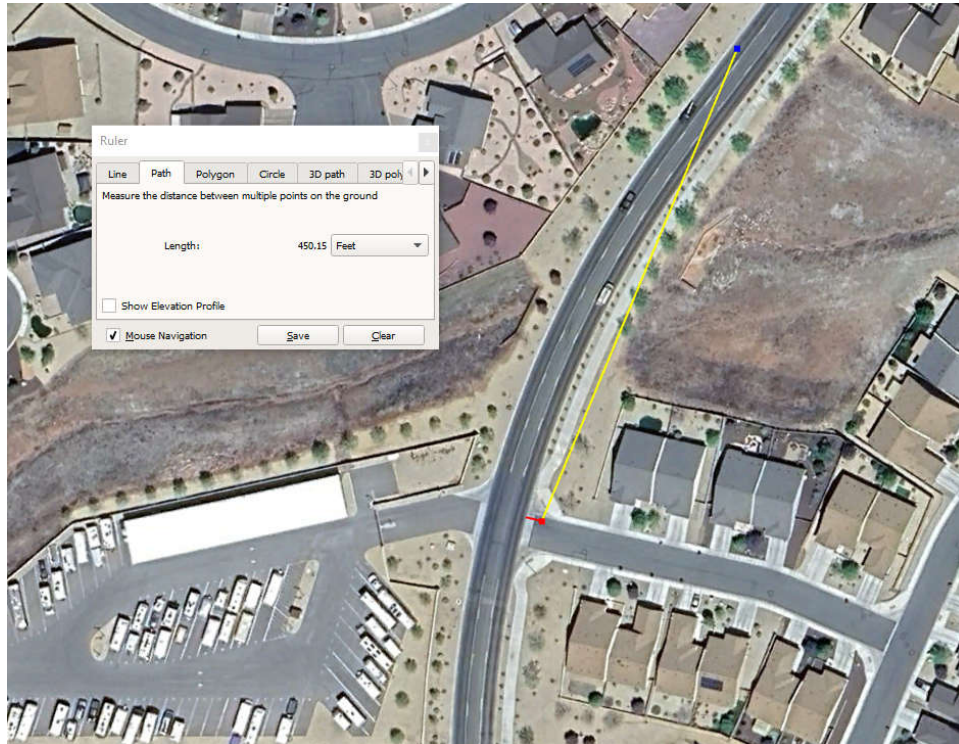
- The segment's safety performance is excellent. Both the crash and injury rates are well below the average of other similar roadways.
- Actual travel speeds indicate that most drivers are comfortable traveling above the existing 25-mph speed limit.
- The cross-section of the roadway, including the presence of curb and gutter and the left-turn lane separating the travel directions, communicates to drivers that the street is capable of safely and reasonably supporting speeds higher than the existing 25-mph limit.
- When considering the 85th-percentile speed, it might be justifiable to increase the speed limit to as high as 35 mph.
- The street has a clear transition at Antelope Lane. To the south of there, front-facing homes and the lack of sidewalks call for a 25-mph speed limit. To the north, the change in cross-section, driveway spacing, and pedestrian accommodations makes 25 mph appear less than reasonable.
- A change in speed limit at Antelope Lane helps communicate this transition. However, 30 mph is recommended rather than 35 mph because the segment to the north is only about 1/3 mile long prior to reaching the STOP sign at Granville Fairway.
- *A Policy on Geometric Design of Highways and Streets*, published by the American Association of State Highway and Transportation Officials (AASHTO), provides sight distance recommendations based on roadway speed. Intersection Sight Distance Case B addresses intersections with stop control on the minor road. Minor-street drivers should have enough sight distance to ensure an adequate gap in traffic before entering the street. AASHTO provides the following sight distance criteria:
  - For left turns from the minor street, a time gap of 8 seconds is recommended (7.5 seconds plus ½ second to cross the two-way left-turn lane.) For a 30-mph speed, the AASHTO intersection sight distance recommendation is 355 feet. Considering a 5-mph buffer over the recommended 30-mph speed limit, the recommendation for 35 mph is 415 feet.
  - For right turns from the minor street, a time gap of 6.5 seconds is needed. For a 30-mph speed, 290 feet of sight distance is recommended, and for 35 mph, 335 feet is recommended.
  - Where applicable, sight distance for traffic proceeding straight across the major street has a shorter time gap than for left turns, so left turns typically control.
  - Sight distance is measured from a point 14.5 feet back from the edge of the major street traveled way and with eye and object heights of 3.5 feet.

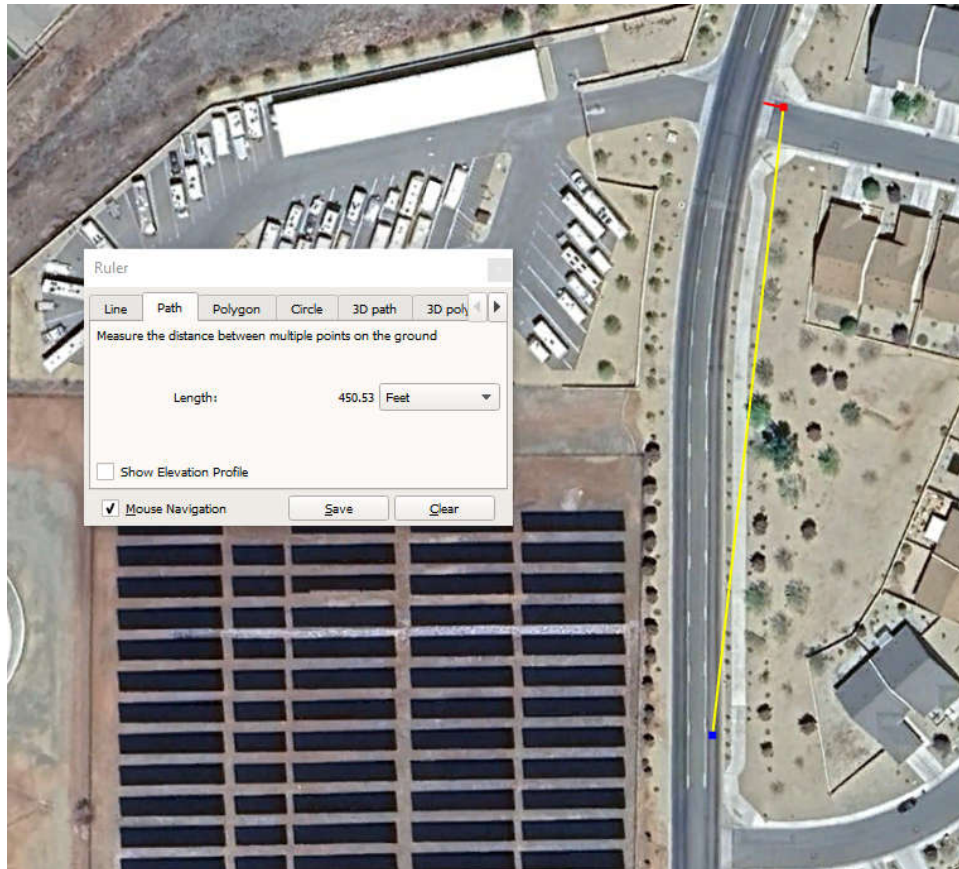
Segment 2 of Prescott East Highway has modern construction with modest horizontal and vertical curvature, well-groomed roadside vegetation, and excellent sight distance availability. To illustrate available sight distance, worst-case turning movements were evaluated approaching the major street



from Thayer Street. This location was selected because it is on the inside of a horizontal curve, where sight distance tends to be limited by roadway geometry. Nevertheless, more than 450 feet of sight distance is available looking to the left and right, as shown below. In both cases, the sight distance line passes under tree limbs behind the sidewalk; these limbs are pruned high enough that visibility is sufficient below the tree canopy. In the case of Thayer Street, sight distance to the right is also limited by roadway profile, but sufficient visibility can be achieved from the AASHTO eye position to an approaching vehicle 3.5 feet above the pavement surface.

The recommended speed limit change is consistent with available sight distance along the corridor.





**Recommended Action Items:**

- Speed limit signs should be installed as follows:
  - Northbound north of Antelope Lane to reflect the new 30-mph speed limit
  - Southbound north of Antelope Lane to reflect the new reduction to 25 mph
- Other speed limit signs in the affected segment should be changed to reflect the new speed limit.

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 11/29/22  
Station ID: 22-1620-022  
Prescott East Highway north of Antelope  
Ln 34.597528, -112.358064  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/29/22	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2	33	38
01:00	0	0	0	1	0	1	1	0	0	0	0	0	0	0	3	31	37
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
03:00	0	0	0	1	1	2	0	0	0	0	0	0	0	0	4	29	33
04:00	0	0	0	1	3	2	0	0	0	0	0	0	0	0	6	29	32
05:00	0	0	0	6	13	8	0	0	0	0	0	0	0	0	27	28	32
06:00	0	0	0	8	30	20	3	0	0	0	0	0	0	0	61	29	33
07:00	0	0	0	13	60	36	6	0	0	0	1	0	0	0	116	30	33
08:00	0	0	0	10	59	40	4	1	1	0	0	0	0	0	115	30	33
09:00	0	0	0	15	50	23	10	2	0	0	0	0	0	0	100	30	34
10:00	1	0	1	10	41	34	7	0	0	0	0	0	0	0	94	30	33
11:00	0	0	0	14	61	40	2	1	0	0	0	0	0	0	118	29	33
12 PM	0	0	1	5	53	47	12	0	0	0	0	0	0	0	118	31	34
13:00	0	0	0	9	50	44	7	0	0	0	0	0	0	0	110	30	33
14:00	0	0	0	19	74	54	17	0	0	0	0	0	0	0	164	30	34
15:00	0	0	0	12	67	65	14	3	0	0	0	0	0	0	161	31	34
16:00	0	0	0	9	59	89	12	0	0	0	0	0	0	0	169	31	34
17:00	0	0	1	12	78	61	7	0	0	0	0	0	0	0	159	30	33
18:00	0	0	0	11	63	42	6	0	1	0	0	0	0	0	123	30	33
19:00	0	0	0	10	35	24	5	0	0	0	0	0	0	0	74	30	33
20:00	0	0	0	7	35	9	3	0	0	0	0	0	0	0	54	29	32
21:00	0	0	0	2	15	9	0	0	0	0	0	0	0	0	26	29	32
22:00	0	0	1	2	12	0	0	0	0	0	0	0	0	0	15	27	29
23:00	0	0	0	1	4	0	3	1	0	0	0	0	0	0	9	32	39
Total	1	0	4	178	865	650	120	8	2	0	1	0	0	0	1829		
Percent	0.1%	0.0%	0.2%	9.7%	47.3%	35.5%	6.6%	0.4%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%			
AM Peak	10:00		10:00	09:00	11:00	08:00	09:00	09:00	08:00		07:00				11:00		
Vol.	1		1	15	61	40	10	2	1		1				118		
PM Peak			12:00	14:00	17:00	16:00	14:00	15:00	18:00						16:00		
Vol.			1	19	78	89	17	3	1						169		
Total	1	0	4	178	865	650	120	8	2	0	1	0	0	0	1829		
Percent	0.1%	0.0%	0.2%	9.7%	47.3%	35.5%	6.6%	0.4%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 33 MPH  
95th Percentile : 36 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1515  
Percent in Pace : 82.8%  
Number of Vehicles > 25 MPH : 1646  
Percent of Vehicles > 25 MPH : 90.0%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 11/29/22  
Station ID: 22-1620-022  
Prescott East Highway north of Antelope  
Ln 34.597528, -112.358064  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/29/22	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	28	29
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
03:00	0	0	0	0	3	2	0	0	0	0	0	0	0	0	5	30	33
04:00	0	0	0	2	7	5	3	0	0	0	0	0	0	0	17	31	35
05:00	0	0	0	1	8	5	2	0	0	0	0	0	0	0	16	31	34
06:00	0	0	0	16	29	12	3	0	0	0	0	0	0	0	60	28	32
07:00	0	0	1	25	110	49	2	0	0	0	0	0	0	0	187	29	32
08:00	0	1	0	12	69	38	8	0	0	0	0	0	0	0	128	30	33
09:00	0	0	0	13	68	35	7	0	0	0	0	0	0	0	123	29	33
10:00	0	0	1	27	95	42	4	0	0	0	0	0	0	0	169	29	32
11:00	0	0	0	26	75	29	3	0	0	0	0	0	0	0	133	28	32
12 PM	0	0	0	7	84	32	2	0	0	0	0	0	0	0	125	29	32
13:00	0	0	0	14	53	32	5	1	0	0	0	0	0	0	105	29	33
14:00	0	0	0	25	94	39	7	0	0	0	0	0	0	0	165	29	32
15:00	0	0	1	19	96	64	4	1	0	0	0	0	0	0	185	29	33
16:00	0	0	1	31	102	44	9	0	0	0	0	0	0	0	187	29	32
17:00	0	0	1	27	88	38	2	0	0	1	0	0	0	0	157	29	32
18:00	0	0	0	14	53	18	1	0	0	0	0	0	0	0	86	28	31
19:00	0	0	0	7	29	11	2	1	0	0	0	0	0	0	50	29	32
20:00	0	0	0	3	22	8	0	0	0	0	0	0	0	0	33	29	31
21:00	0	1	0	6	15	1	1	0	0	0	0	0	0	0	24	27	29
22:00	0	0	0	2	10	3	0	0	0	0	0	0	0	0	15	28	31
23:00	0	0	0	1	2	2	0	0	0	0	0	0	0	0	5	29	33
Total	0	2	5	279	1115	509	65	3	0	1	0	0	0	0	1979		
Percent	0.0%	0.1%	0.3%	14.1%	56.3%	25.7%	3.3%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak		08:00	07:00	10:00	07:00	07:00	08:00								07:00		
Vol.		1	1	27	110	49	8								187		
PM Peak		21:00	15:00	16:00	16:00	15:00	16:00	13:00		17:00					16:00		
Vol.		1	1	31	102	64	9	1		1					187		
Total	0	2	5	279	1115	509	65	3	0	1	0	0	0	0	1979		
Percent	0.0%	0.1%	0.3%	14.1%	56.3%	25.7%	3.3%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 28 MPH  
85th Percentile : 32 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1624  
Percent in Pace : 82.1%  
Number of Vehicles > 25 MPH : 1693  
Percent of Vehicles > 25 MPH : 85.5%  
Mean Speed(Average) : 29 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 11/29/22  
Station ID: 22-1620-022  
Prescott East Highway north of Antelope  
Ln 34.597528, -112.358064  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/29/22	0	0	0	0	3	0	1	0	0	0	0	0	0	0	4	30	37
01:00	0	0	0	1	1	1	1	0	0	0	0	0	0	0	4	30	37
02:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	26	28
03:00	0	0	0	1	4	4	0	0	0	0	0	0	0	0	9	30	33
04:00	0	0	0	3	10	7	3	0	0	0	0	0	0	0	23	30	34
05:00	0	0	0	7	21	13	2	0	0	0	0	0	0	0	43	29	33
06:00	0	0	0	24	59	32	6	0	0	0	0	0	0	0	121	29	33
07:00	0	0	1	38	170	85	8	0	0	0	1	0	0	0	303	29	32
08:00	0	1	0	22	128	78	12	1	1	0	0	0	0	0	243	30	33
09:00	0	0	0	28	118	58	17	2	0	0	0	0	0	0	223	30	33
10:00	1	0	2	37	136	76	11	0	0	0	0	0	0	0	263	29	33
11:00	0	0	0	40	136	69	5	1	0	0	0	0	0	0	251	29	32
12 PM	0	0	1	12	137	79	14	0	0	0	0	0	0	0	243	30	33
13:00	0	0	0	23	103	76	12	1	0	0	0	0	0	0	215	30	33
14:00	0	0	0	44	168	93	24	0	0	0	0	0	0	0	329	29	33
15:00	0	0	1	31	163	129	18	4	0	0	0	0	0	0	346	30	33
16:00	0	0	1	40	161	133	21	0	0	0	0	0	0	0	356	30	33
17:00	0	0	2	39	166	99	9	0	0	1	0	0	0	0	316	29	33
18:00	0	0	0	25	116	60	7	0	1	0	0	0	0	0	209	29	33
19:00	0	0	0	17	64	35	7	1	0	0	0	0	0	0	124	29	33
20:00	0	0	0	10	57	17	3	0	0	0	0	0	0	0	87	29	32
21:00	0	1	0	8	30	10	1	0	0	0	0	0	0	0	50	28	31
22:00	0	0	1	4	22	3	0	0	0	0	0	0	0	0	30	28	29
23:00	0	0	0	2	6	2	3	1	0	0	0	0	0	0	14	31	38
Total	1	2	9	457	1980	1159	185	11	2	1	1	0	0	0	3808		
Percent	0.0%	0.1%	0.2%	12.0%	52.0%	30.4%	4.9%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	08:00	10:00	11:00	07:00	07:00	09:00	09:00	08:00		07:00				07:00		
Vol.	1	1	2	40	170	85	17	2	1		1				303		
PM Peak		21:00	17:00	14:00	14:00	16:00	14:00	15:00	18:00	17:00					16:00		
Vol.		1	2	44	168	133	24	4	1	1					356		
Total	1	2	9	457	1980	1159	185	11	2	1	1	0	0	0	3808		
Percent	0.0%	0.1%	0.2%	12.0%	52.0%	30.4%	4.9%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 35 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3139  
Percent in Pace : 82.4%  
Number of Vehicles > 25 MPH : 3339  
Percent of Vehicles > 25 MPH : 87.7%  
Mean Speed(Average) : 29 MPH

## Crash Summary

### Segment 1: Sunset Lane to Antelope Lane

Data Period: 2019 - 2021

Total Crashes: 7

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3620548	1/14/2020	5:18 PM	2020	Prescott East Highway	Antelope Lane	0	No Injury	Rear-end	Dusk	2	0	0	
2	3722804	1/10/2021	5:42 PM	2021	Prescott East Highway	Antelope Lane	-1000	No Injury	Other	Dusk	2	0	0	
3	3855615	12/14/2021	3:20 PM	2021	Prescott East Highway	Sunset Lane	200	No Injury	Rear-end	Daylight	3	0	0	
4	3821799	9/30/2021	5:03 PM	2021	Prescott East Highway	Sunset Lane	0	No Injury	Angle	Daylight	2	0	0	
5	3816444	9/23/2021	9:38 PM	2021	Sunset Lane	Prescott East Highway	0	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	Yes
6	3774048	5/17/2021	7:48 AM	2021	Prescott East Highway	Sunset Lane	0	Serious Injury	Left Turn	Daylight	2	1	0	
7	3828030	10/15/2021	4:16 PM	2021	Prescott East Highway	Sunset Lane	20	Possible Injury	Left Turn	Daylight	3	1	0	

### Segment 2: Antelope Lane to Granville Fairway

Data Period: 2019 - 2021

Total Crashes: 1

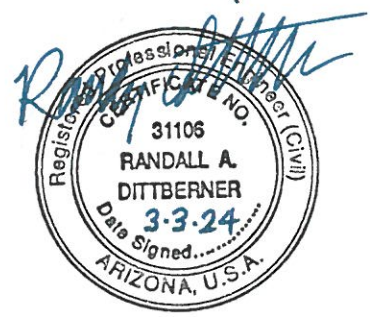
No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3540911	7/10/2019	1:23 PM	2019	Antelope Lane	Prescott East Highway	0	No Injury	Sideswipe	Daylight	2	0	0	Yes



# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



**Segment Studied:** Robert Road

**From:** State Route 69

**To:** State Route 89A

**Length:** 3.9 miles

## Study Area Map - Existing Speed Limits



### Introduction:

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

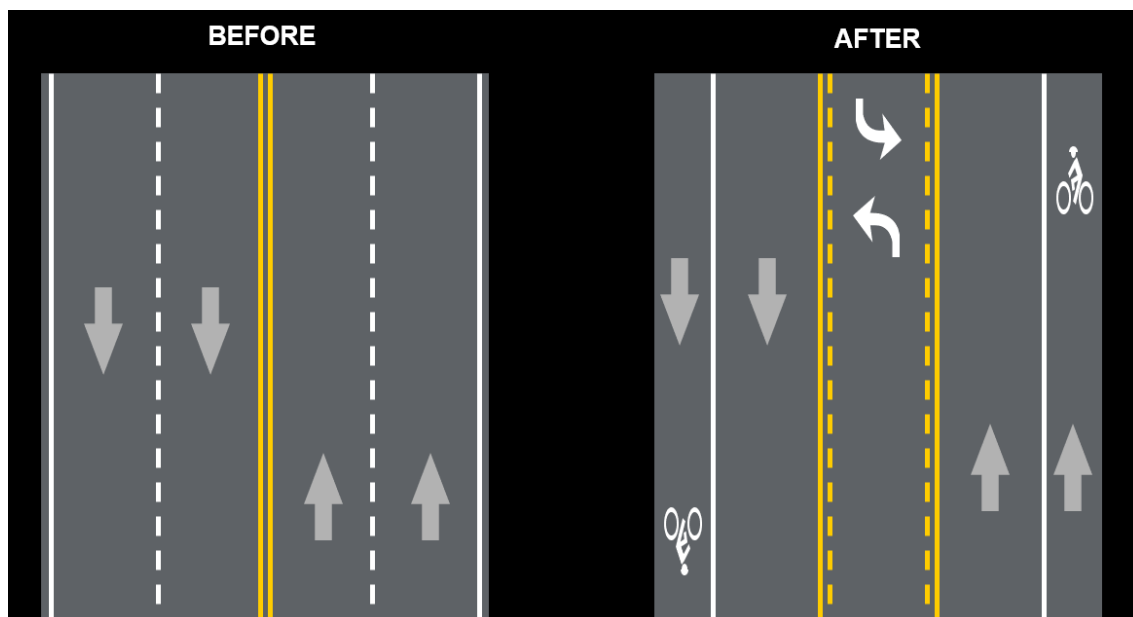
Robert Road has been divided into the following three segments to reflect different conditions along portions of the corridor:

- Segment 1: State Route 69 to Tranquil Boulevard
- Segment 2: Tranquil Boulevard to Long Mesa Drive
- Segment 3: Long Mesa Drive to State Route 89A

### Segment 1: State Route 69 to Tranquil Boulevard

#### Roadway Characteristics:

- Functional Classification: minor arterial
- Existing Speed Limit: 25 mph
- Two lanes in each direction separated by a double-yellow centerline
- Pavement width varies from about 46 to 60 feet to accommodate left- and right-turn lanes
- Moderate horizontal curvature near Loos Drive
- Curb, gutter, and sidewalk on both sides of the roadway
- No bike lanes or edge-line pavement markings
- Street lighting on the west side of the roadway near SR 69, and both sides of the roadway from Yavapai Road to Tranquil Boulevard
- Uncontrolled marked crosswalk at Nace Lane
- The Town of Prescott Valley is planning to change the configuration of this segment of Robert Road to one lane in each direction separated by a two-way left-turn lane. The project will not change the pavement width. This treatment is sometimes referred to as a “road diet.” The conceptual change in lane configuration is depicted below.





**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Wednesday, November 30, 2022, Tuesday, May 30, 2023, and Wednesday, May 31, 2023, at the following locations:

- Site A: Robert Road, about 800 feet north of Florentine Road
- Site B: Robert Road, about 770 feet south of Loos Drive
- Site C: Robert Road, about 920 feet south of Spouse Drive
- Site D: Robert Road, about 620 feet south of Manley Drive

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th-Percentile Speed	Daily Volume
<b><i>Site A: 800 feet north of Florentine Road</i></b>			
Northbound	27 mph	30 mph	1,476
Southbound	32 mph	35 mph	4,403
Both Directions	30 mph	34 mph	5,879
<b><i>Site B: 770 feet south of Loos Drive</i></b>			
Northbound	30 mph	33 mph	5,139
Southbound	30 mph	33 mph	4,041
Both Directions	30 mph	33 mph	9,180
<b><i>Site C: 920 feet south of Spouse Drive</i></b>			
Northbound	31 mph	34 mph	4,758
Southbound	31 mph	34 mph	5,112
Both Directions	31 mph	34 mph	9,870
<b><i>Site D: 620 feet south of Manley Drive</i></b>			
Northbound	31 mph	34 mph	4,427
Southbound	31 mph	34 mph	762
Both Directions	31 mph	34 mph	5,189

- The average speed is very consistent along the segment, varying from 30 to 31 mph, above the existing 25-mph speed limit.
- The 85th-percentile speed is also very consistent at about 34 mph.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	26	7	0	33	14
2020	21	12	0	33	8
2021	21	12	0	33	8
<b>Total</b>	<b>68</b>	<b>31</b>	<b>0</b>	<b>99</b>	<b>30</b>

- 99 crashes were reported, an average of about 33 crashes per year.
- 2 serious injury, 12 minor injury, and 17 possible injury crashes were reported.
- 2 of the 12 minor injury crashes and 7 of the 17 possible injury crashes were reported as speed-related crashes.
- Of the 2 serious injury crashes, a serious-injury bicyclist crash occurred at Robert Road and Loos Drive on October 9, 2019, at 4:47 p.m., when an eastbound bicyclist was struck by a westbound vehicle making a left turn onto Robert Road whose driver failed to yield.
- Of the 12 minor injury crashes, a minor-injury bicyclist crash occurred at Robert Road and Stevens Court on November 6, 2020, at 3:57 p.m., when a southbound bicyclist was struck by an eastbound vehicle whose driver failed to yield.
- Of the 99 crashes, 12 occurred at the SR 69 intersection; these crashes are not generally relevant to the speed limit on Robert Road. Of the 31 injury crashes, 4 occurred at the SR 69 intersection.
- Excluding the SR 69 crashes, the crash rate along the segment is 497 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 154 per 100 MVM.
- The average crash rate for similar roadways is 518 per 100 MVM, and the average injury rate for similar roadways is 141 per 100 MVM.
- The crash rate along the segment is 4% lower than the average rate on similar roadways. The injury rate along the segment is 9% higher than the average injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R2 – Residential (Multiple Dwelling Units), C1 – Commercial (Neighborhood Sales & Services), and C2 – Commercial (General Sales & Services).
- Single-family homes front the street.
- Retail, restaurants, parks, gas stations, and a fire station are located along the roadway.

**Speed Limit Recommendation:**

Retain the existing 25-mph speed limit, for the following reasons:

- When considering only the 85th-percentile actual travel speeds, which average 34 mph segment-wide, a speed limit of 30 or 35 mph might be justifiable. However, several factors suggest that the existing 25-mph speed limit should be retained:
  - Front-facing homes are situated along the street. When considering the presence of front-facing residential homes and the conflict points associated with them, a speed limit of 25 mph is common.
  - Traffic signals are spaced frequently along the segment, for which motorists frequently must slow to a stop.
  - While sidewalks are present along both sides of the street, the segment is dense with pedestrian generators, and pedestrian traffic is frequently observed along the street. Pedestrians frequently cross Robert Road, including at the existing marked uncontrolled crosswalk at Nace Lane.
  - The crash and injury rates are both near the average of typical similar roadways, but the average rates on similar roads are quite high when compared to collector streets elsewhere in Prescott Valley.
- A 25-mph speed limit is suitable for Robert Road both before and after the upcoming road diet project. Road diets often tend to reduce average travel speeds because through traffic is confined to a single lane, which limits passing opportunities for higher-speed motorists. The road diet also will provide dedicated space outside the traveled way that accommodates bicyclists and helps improve sight distance. The provision of exclusive left-turn space is expected to considerably improve traffic safety along the segment. The town could also conduct another speed study 6 to 12 months after the road diet is implemented to determine if a speed limit change is indicated at that time.

**Recommended Action Items:**

- The uncontrolled crosswalk at Nace Lane is marked with a standard crosswalk marking pattern. The town should consider upgrading to high-visibility crosswalk markings to increase drivers' awareness of the potential for pedestrians. This action would be consistent with *Determining Whether and How to Mark Crosswalks*, prepared by Lee Engineering for Prescott Valley in June 2023. The town may wish to consider making this marking change at the time the pavement markings are reconfigured with the road diet project.
- Northbound on Robert Road, a series of chevron warning signs is present where the right lane drops near Tranquil Boulevard, as shown in the image below. Chevron warning signs are intended to warn motorists of a change in horizontal alignment, such as a curve. They are not intended for use at lane reduction transitions. The chevron signs in this location are particularly concerning because they point in the direction opposite the horizontal curve just downstream. After the road diet project is implemented, there will no longer be a lane drop at this location, so it is expected that the chevron warning signs (and the preceding lane reduction transition warning sign) can be removed. It is not expected that any signs would be necessary to replace this series of signs that is removed. However, if the town believes signing is needed because of the transition of the edge of pavement, the chevron signs could be replaced with object markers or delineators.



- Several driveway aprons along Robert Road, both north and south of Florentine Road, are excessively abrupt, as shown in the image below. The abrupt nature of the aprons requires motorists to slow excessively while turning into and out of the driveways, and the excessive slowing impairs the street's operational and safety performance. The town may wish to work with nearby property owners to replace the existing abrupt driveway aprons with aprons that are consistent with current standards yet still provide passage for pedestrians that complies with the Americans With Disabilities Act (ADA).



## Segment 2: Tranquil Boulevard to Long Mesa Drive

### Roadway Characteristics:

- Functional Classification: minor arterial
- Existing Speed Limit: 25 mph
- One lane in each direction separated by a double-yellow centerline

## Speed Limit Study

- Pavement width varies from about 25 to 45 feet
- Moderate horizontal curvature
- No curb, gutter, sidewalk, street lighting, or bike lanes
- Edge lines on both sides of the roadway

### Data Collection:

Traffic counts with speed data were recorded for a 24-hour period on Thursday, November 17, 2022, a day when schools were in session, at the following location:

- Robert Road, Between Long Mesa Drive and Tranquil Boulevard

### Speed and Traffic Volume:

Speed and traffic volume are summarized in **Table 3**. Complete results are attached.

**Table 3: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>Between Long Mesa Drive and Tranquil Boulevard</i></b>			
Northbound	28 mph	31 mph	3,572
Southbound	31 mph	34 mph	3,269
Both Directions	30 mph	33 mph	6,841

- The average speed is about 30 mph, slightly above the existing 25-mph speed limit.
- The 85th-percentile speed is about 33 mph.

### Crash Analysis:

A summary of crashes is shown in **Table 4**. Complete crash data is attached.

**Table 4: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	5	0	0	5	2
2020	4	0	1	5	1
2021	2	2	0	4	1
<b>Total</b>	<b>11</b>	<b>2</b>	<b>1</b>	<b>14</b>	<b>4</b>

- 14 crashes were reported, an average of about 4.7 crashes per year.
- One fatal crash and 2 minor injury crashes were reported.
- The fatal crash occurred at Robert Road and Tranquil Boulevard on May 19, 2020, at 8:47 p.m., when a southbound vehicle struck a fixed object.
- The crash rate along the segment is 93 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 20 per 100 MVM.
- The average crash rate for similar roadways is 235 per 100 MVM, and the average injury rate for similar roadways is 68 per 100 MVM.
- The crash rate along the segment is 60% lower than the average rate on similar roadways. The injury rate along the segment is 71% lower than the average injury rate on similar roadways.

### Roadside Development and Environment:

- Zoning includes R1L – Residential (Single Family Limited), and RS – Residential & Services.
- A church, Robert Road Southern Baptist church, is located northwest of Tranquil Boulevard.
- The street frontage consists almost exclusively of front-facing single-family homes.

### Speed Limit Recommendation:

Retain the existing 25-mph speed limit, for the following reasons:

- The narrow pavement width and front-facing homes clearly indicate a need for a speed limit no greater than 25 mph.
- Pedestrians walking along the street have no sidewalk and must walk in the travel lane with motor vehicles; this condition is not conducive for speeds higher than 25 mph.
- Horizontal curvature is comfortable at 25 mph, according to ball-bank indicator readings.

### Recommended Action Items:

- None.

### Segment 3: Long Mesa Drive to State Route 89A

#### Roadway Characteristics:

- Functional Classification: minor arterial
- Existing Speed Limit: 25 mph (Long Mesa Drive to Roundup Drive)
- Existing Speed Limit: 30 mph (Roundup Drive to State Route 89A)
- Mostly one lane in each direction separated by a double-yellow centerline
- Pavement width varies from about 25 to 75 feet to accommodate left- and right-turn lanes
- Moderate horizontal, and slight vertical curvature
- No curb or gutter except near Powers Avenue
- No Street lighting, or bike lane
- An asphalt buffer-separated multi-use path on the east side of the roadway
- Guardrail, mostly on the east side of the roadway, north of Long Mesa Drive
- An uncontrolled crosswalk marked near Powers Avenue

#### Data Collection:

Traffic counts with speed data were recorded for a 24-hour period on Thursday, December 1, 2022, a day when schools were in session, at the following location:

- Robert Road, about 0.24 miles south of State Route 89A

#### Speed and Traffic Volume:

Speed and traffic volume are summarized in **Table 5**. Complete results are attached.

**Table 5: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>0.24 miles south of State Route 89A</i></b>			
Northbound	35 mph	38 mph	3,289
Southbound	33 mph	37 mph	3,555
Both Directions	34 mph	38 mph	6,844

- The average speed is about 34 mph, above the existing 30-mph speed limit.
- The 85th-percentile speed is about 38 mph.

**Crash Analysis:**

A summary of crashes is shown in **Table 6**. Complete crash data is attached.

**Table 6: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	7	5	0	12	3
2020	6	0	0	6	4
2021	8	5	0	13	3
<b>Total</b>	<b>21</b>	<b>10</b>	<b>0</b>	<b>31</b>	<b>10</b>

- 31 crashes were reported, an average of about 10.3 crashes per year.
- 1 serious injury, 2 minor injury, and 7 possible injury crashes were reported.
- The serious injury crash and 2 of the 7 possible injury crashes were reported as speed-related crashes.
- Of the 31 crashes, 13 occurred at the SR 89A intersection; these crashes are not generally relevant to the speed limit on Robert Road. Of the 10 injury crashes, 4 occurred at the SR 89A intersection.
- Excluding the SR 89A crashes, the crash rate along the segment is 240 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 80 per 100 MVM.
- The average crash rate for similar roadways is 131 per 100 MVM, and the average injury rate for similar roadways is 46 per 100 MVM. The critical crash rate is 206 per 100 MVM, and the critical injury rate is 94 per 100 MVM.
- The crash rate along the segment is 83% higher than the average rate on similar roadways. The injury rate along the segment is 74% higher than the average injury rate on similar roadways. However, the average crash rate is about 17% higher than the critical rate, and the average injury rate is about 15% lower than the critical injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes R2 – Residential (Multiple Dwelling Units), RCU – Residential (Conditional Use Permits), RS – Residential & Services, PM – Performance Manufacturing, and PL – Public Lands.
- Other than vacant land, retail and restaurants are located along the roadway near Long Mesa Drive, and a campus managed by the Humboldt School District that includes Bright Futures Preschool is about 0.35 miles south of SR 89A. It should be noted that the Humboldt School District has proposed relocating classes to its district office near Robert Road and Powers Avenue.

**Speed Limit Recommendation:**

Retain the existing 25- and 30-mph speed limits, for the following reasons:

- The future classes at the Humboldt Unified School District office indicate a possible presence of school-age pedestrians, indicating that the existing speed limits should be retained.
- Crash and injury rates are higher than average for similar typical roadways.
- The separation between the travel directions is limited to a double-yellow centerline in much of the segment.



## Speed Limit Study

- The paved Prescott Valley Pipeline Multi-Use Path, on the east side of Robert Road, provides comfortable accommodations for pedestrians and bicyclists outside the roadway as far north as Powers Avenue, buffer-separated from vehicular traffic. However, no pedestrian accommodations exist north of Powers Avenue, indicating pedestrians may walk along the street.

### **Recommended Action Items:**

- None.

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Wed 11/30/22  
Station ID: 22-1620-006  
Robert Rd north of AZ-69  
34.590006, -112.321948  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/30/22	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	26	28
01:00	0	0	0	2	4	1	0	0	0	0	0	0	0	0	7	27	29
02:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	28	33
03:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	28	29
04:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	26	28
05:00	0	0	0	4	3	2	0	0	0	0	0	0	0	0	9	27	31
06:00	3	5	0	4	6	3	0	0	0	0	0	0	0	0	21	21	29
07:00	4	0	1	10	14	2	0	0	0	0	0	0	0	0	31	24	29
08:00	1	0	1	15	48	10	3	1	0	0	0	0	0	0	79	28	31
09:00	3	1	0	9	25	12	1	0	0	1	0	0	0	0	52	27	32
10:00	0	1	1	23	45	17	0	0	1	0	0	0	0	0	88	28	31
11:00	0	0	1	27	60	27	5	0	0	0	0	0	0	0	120	28	32
12 PM	9	2	1	35	97	30	2	0	0	0	0	0	0	0	176	27	30
13:00	6	2	1	33	90	23	0	0	0	0	0	0	0	0	155	27	29
14:00	1	1	0	33	75	17	2	0	1	0	0	1	0	0	131	28	30
15:00	16	1	0	19	79	16	2	1	1	0	0	0	0	0	135	26	29
16:00	6	1	1	25	80	13	1	1	0	0	0	0	0	0	128	27	29
17:00	13	3	2	28	61	10	2	0	0	0	0	0	0	0	119	25	29
18:00	1	0	0	19	40	4	2	0	0	0	0	0	0	0	66	27	29
19:00	2	0	0	16	33	4	0	0	0	0	0	0	0	0	55	26	29
20:00	3	0	0	11	17	4	1	0	0	0	0	0	0	0	36	26	29
21:00	4	0	0	11	13	2	0	0	0	0	0	0	0	0	30	24	29
22:00	0	0	0	5	12	1	0	0	0	0	0	0	0	0	18	27	29
23:00	0	0	1	2	6	2	0	0	0	0	0	0	0	0	11	27	30
Total	72	17	10	334	813	201	21	3	3	1	0	1	0	0	1476		
Percent	4.9%	1.2%	0.7%	22.6%	55.1%	13.6%	1.4%	0.2%	0.2%	0.1%	0.0%	0.1%	0.0%	0.0%			
AM Peak	07:00	06:00	07:00	11:00	11:00	11:00	11:00	08:00	10:00	09:00					11:00		
Vol.	4	5	1	27	60	27	5	1	1	1					120		
PM Peak	15:00	17:00	17:00	12:00	12:00	12:00	12:00	15:00	14:00			14:00			12:00		
Vol.	16	3	2	35	97	30	2	1	1			1			176		
Total	72	17	10	334	813	201	21	3	3	1	0	1	0	0	1476		
Percent	4.9%	1.2%	0.7%	22.6%	55.1%	13.6%	1.4%	0.2%	0.2%	0.1%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 21 MPH  
50th Percentile : 26 MPH  
85th Percentile : 30 MPH  
95th Percentile : 33 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 1152  
Percent in Pace : 78.0%  
Number of Vehicles > 25 MPH : 1043  
Percent of Vehicles > 25 MPH : 70.7%  
Mean Speed(Average) : 27 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 11/30/22  
Station ID: 22-1620-006  
Robert Rd north of AZ-69  
34.590006, -112.321948  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/30/22	0	0	0	0	6	5	0	1	1	0	0	0	0	0	13	33	40
01:00	0	0	0	1	4	4	1	0	0	0	0	0	0	0	10	30	34
02:00	0	0	0	1	10	7	0	0	0	0	0	0	0	0	18	30	33
03:00	0	0	0	1	5	12	1	0	0	0	0	0	0	0	19	31	34
04:00	0	0	0	5	18	33	10	0	2	1	0	0	0	0	69	32	36
05:00	0	0	0	5	43	68	23	3	2	1	0	0	0	0	145	33	36
06:00	0	0	0	11	98	82	29	8	2	0	0	0	0	0	230	32	35
07:00	0	0	0	11	203	175	44	14	1	1	0	0	0	0	449	31	34
08:00	0	0	0	10	132	157	36	6	0	0	0	0	0	0	341	31	34
09:00	0	0	0	15	97	115	51	5	1	0	0	0	0	0	284	32	36
10:00	0	1	0	2	90	132	46	9	1	0	0	0	0	0	281	32	36
11:00	0	0	2	7	109	115	43	5	0	0	0	0	0	0	281	32	35
12 PM	0	0	0	10	98	119	35	5	1	0	1	0	0	0	269	32	35
13:00	0	0	1	8	90	124	50	6	0	0	1	0	0	0	280	32	36
14:00	0	0	1	13	92	131	39	5	0	0	0	0	0	0	281	32	35
15:00	0	0	1	13	112	136	43	10	1	0	0	0	0	0	316	32	35
16:00	0	0	0	17	105	118	44	5	0	2	0	0	0	0	291	32	35
17:00	0	0	0	11	115	114	26	6	2	0	0	0	0	0	274	31	34
18:00	0	0	0	16	94	96	18	4	0	0	0	0	0	0	228	31	34
19:00	0	0	0	8	44	53	8	4	1	0	0	0	0	0	118	31	34
20:00	0	0	1	7	41	29	6	1	0	0	0	0	0	0	85	30	34
21:00	0	0	1	5	28	15	4	2	1	0	0	0	0	0	56	30	34
22:00	0	0	0	3	21	9	1	2	1	0	0	0	0	0	37	30	34
23:00	0	0	0	1	10	11	3	2	1	0	0	0	0	0	28	33	38
Total	0	1	7	181	1665	1860	561	103	18	5	2	0	0	0	4403		
Percent	0.0%	0.0%	0.2%	4.1%	37.8%	42.2%	12.7%	2.3%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak		10:00	11:00	09:00	07:00	07:00	09:00	07:00	04:00	04:00					07:00		
Vol.		1	2	15	203	175	51	14	2	1					449		
PM Peak			13:00	16:00	17:00	15:00	13:00	15:00	17:00	16:00	12:00				15:00		
Vol.			1	17	115	136	50	10	2	2	1				316		
Total	0	1	7	181	1665	1860	561	103	18	5	2	0	0	0	4403		
Percent	0.0%	0.0%	0.2%	4.1%	37.8%	42.2%	12.7%	2.3%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 30 MPH  
85th Percentile : 35 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3525  
Percent in Pace : 80.1%  
Number of Vehicles > 25 MPH : 4214  
Percent of Vehicles > 25 MPH : 95.7%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 11/30/22  
Station ID: 22-1620-006  
Robert Rd north of AZ-69  
34.590006, -112.321948  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/30/22	0	0	0	1	8	5	0	1	1	0	0	0	0	0	16	31	34
01:00	0	0	0	3	8	5	1	0	0	0	0	0	0	0	17	29	33
02:00	0	0	0	2	10	8	0	0	0	0	0	0	0	0	20	29	33
03:00	0	0	0	1	7	12	1	0	0	0	0	0	0	0	21	31	34
04:00	0	0	0	6	19	33	10	0	2	1	0	0	0	0	71	32	36
05:00	0	0	0	9	46	70	23	3	2	1	0	0	0	0	154	32	36
06:00	3	5	0	15	104	85	29	8	2	0	0	0	0	0	251	31	35
07:00	4	0	1	21	217	177	44	14	1	1	0	0	0	0	480	31	34
08:00	1	0	1	25	180	167	39	7	0	0	0	0	0	0	420	31	34
09:00	3	1	0	24	122	127	52	5	1	1	0	0	0	0	336	31	35
10:00	0	2	1	25	135	149	46	9	2	0	0	0	0	0	369	31	35
11:00	0	0	3	34	169	142	48	5	0	0	0	0	0	0	401	31	34
12 PM	9	2	1	45	195	149	37	5	1	0	1	0	0	0	445	30	34
13:00	6	2	2	41	180	147	50	6	0	0	1	0	0	0	435	30	34
14:00	1	1	1	46	167	148	41	5	1	0	0	1	0	0	412	30	34
15:00	16	1	1	32	191	152	45	11	2	0	0	0	0	0	451	30	34
16:00	6	1	1	42	185	131	45	6	0	2	0	0	0	0	419	30	34
17:00	13	3	2	39	176	124	28	6	2	0	0	0	0	0	393	29	34
18:00	1	0	0	35	134	100	20	4	0	0	0	0	0	0	294	30	33
19:00	2	0	0	24	77	57	8	4	1	0	0	0	0	0	173	30	33
20:00	3	0	1	18	58	33	7	1	0	0	0	0	0	0	121	29	33
21:00	4	0	1	16	41	17	4	2	1	0	0	0	0	0	86	28	33
22:00	0	0	0	8	33	10	1	2	1	0	0	0	0	0	55	29	32
23:00	0	0	1	3	16	13	3	2	1	0	0	0	0	0	39	31	35
Total	72	18	17	515	2478	2061	582	106	21	6	2	1	0	0	5879		
Percent	1.2%	0.3%	0.3%	8.8%	42.2%	35.1%	9.9%	1.8%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	06:00	11:00	11:00	07:00	07:00	09:00	07:00	04:00	04:00					07:00		
Vol.	4	5	3	34	217	177	52	14	2	1					480		
PM Peak	15:00	17:00	13:00	14:00	12:00	15:00	13:00	15:00	15:00	16:00	12:00	14:00			15:00		
Vol.	16	3	2	46	195	152	50	11	2	2	1	1			451		
Total	72	18	17	515	2478	2061	582	106	21	6	2	1	0	0	5879		
Percent	1.2%	0.3%	0.3%	8.8%	42.2%	35.1%	9.9%	1.8%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 4544  
Percent in Pace : 77.3%  
Number of Vehicles > 25 MPH : 5257  
Percent of Vehicles > 25 MPH : 89.4%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-086  
Robert Rd south of Loos Dr  
34.602128, -112.321141  
Latitude: 0' 0.0000 Undefined

## Northbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	6	12	3	1	0	0	0	0	0	0	0	22	28	31
01:00	0	0	0	6	5	2	0	0	0	0	0	0	0	0	13	26	30
02:00	0	0	0	2	12	1	0	0	0	0	0	0	0	0	15	28	29
03:00	0	0	0	3	2	2	0	0	0	0	0	0	0	0	7	27	32
04:00	0	0	1	1	10	4	0	1	0	0	0	0	0	0	17	29	33
05:00	1	1	0	11	39	17	3	1	0	0	0	0	0	0	73	29	32
06:00	2	1	0	15	61	45	18	2	0	0	0	0	0	0	144	30	34
07:00	6	2	1	12	95	70	14	0	0	0	0	0	0	0	200	29	33
08:00	1	2	1	11	95	67	18	1	1	1	0	0	1	0	199	31	34
09:00	6	1	1	11	113	99	21	2	1	0	0	0	0	0	255	30	34
10:00	5	1	1	9	130	121	27	1	0	0	0	0	0	0	295	30	34
11:00	2	1	2	16	128	132	22	1	1	0	0	0	0	0	305	30	34
12 PM	4	0	1	13	157	126	27	2	1	0	0	0	0	0	331	30	34
13:00	5	2	2	11	162	135	23	3	1	0	0	0	0	0	344	30	34
14:00	0	1	2	17	197	143	28	5	1	0	0	0	0	0	394	30	34
15:00	6	2	3	16	235	154	26	2	1	2	0	0	0	0	447	30	33
16:00	1	0	1	30	229	170	32	2	1	0	1	0	0	0	467	30	33
17:00	6	2	1	15	217	170	35	0	1	1	0	0	1	0	449	30	34
18:00	2	0	0	12	152	126	27	5	1	0	0	0	0	0	325	31	34
19:00	3	0	3	28	156	91	13	0	0	0	0	0	0	0	294	29	33
20:00	3	4	5	41	140	45	5	0	0	0	0	0	0	0	243	28	31
21:00	1	0	1	41	100	20	4	0	0	1	0	0	0	0	168	28	29
22:00	0	0	0	17	43	18	5	2	0	0	0	0	0	0	85	29	33
23:00	0	0	1	8	25	11	2	0	0	0	0	0	0	0	47	29	32
Total	54	20	27	352	2515	1772	351	30	10	5	1	0	2	0	5139		
Percent	1.1%	0.4%	0.5%	6.8%	48.9%	34.5%	6.8%	0.6%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	07:00	11:00	11:00	10:00	11:00	10:00	06:00	08:00	08:00			08:00		11:00		
Vol.	6	2	2	16	130	132	27	2	1	1			1		305		
PM Peak	15:00	20:00	20:00	20:00	15:00	16:00	17:00	14:00	12:00	15:00	16:00		17:00		16:00		
Vol.	6	4	5	41	235	170	35	5	1	2	1		1		467		
Total	54	20	27	352	2515	1772	351	30	10	5	1	0	2	0	5139		
Percent	1.1%	0.4%	0.5%	6.8%	48.9%	34.5%	6.8%	0.6%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 33 MPH  
95th Percentile : 37 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 4291  
Percent in Pace : 83.5%  
Number of Vehicles > 25 MPH : 4686  
Percent of Vehicles > 25 MPH : 91.2%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-086  
Robert Rd south of Loos Dr  
34.602128, -112.321141  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	3	8	2	0	0	0	0	0	0	0	0	13	28	30
01:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4	31	33
02:00	0	0	0	2	5	4	1	0	0	0	0	0	0	0	12	30	33
03:00	0	0	0	1	4	3	1	0	0	0	0	0	0	0	9	30	34
04:00	0	0	0	1	10	13	2	0	0	0	0	0	0	0	26	31	34
05:00	0	0	0	2	37	42	9	2	0	0	0	0	0	0	92	31	34
06:00	0	0	0	8	48	66	15	2	0	0	0	0	0	0	139	31	34
07:00	0	1	0	8	115	121	15	0	1	0	0	0	0	0	261	31	34
08:00	0	0	1	16	133	120	12	1	1	0	0	0	0	0	284	30	33
09:00	0	0	0	22	146	94	9	2	1	0	0	0	0	0	274	30	33
10:00	1	1	0	12	162	99	15	4	0	0	0	0	0	0	294	30	33
11:00	0	1	1	15	118	94	19	4	0	0	0	0	0	0	252	30	34
12 PM	0	1	0	21	151	109	22	1	1	0	0	0	0	0	306	30	33
13:00	0	0	1	23	127	96	10	0	0	0	0	0	0	0	257	30	33
14:00	0	0	0	15	143	107	15	1	2	1	0	0	0	0	284	30	33
15:00	0	0	1	22	185	105	13	1	0	0	1	0	0	0	328	30	33
16:00	0	1	0	24	176	97	11	3	1	0	0	0	1	0	314	30	33
17:00	0	0	0	15	129	101	18	0	2	0	0	0	0	0	265	30	34
18:00	0	0	1	20	119	82	16	0	1	0	1	0	0	0	240	30	33
19:00	0	0	0	23	70	41	9	1	0	0	0	0	0	0	144	29	33
20:00	1	0	3	13	73	28	3	0	0	0	0	0	0	0	121	28	32
21:00	0	0	0	14	35	14	4	1	0	1	0	0	0	0	69	29	33
22:00	0	0	1	7	26	6	0	0	0	0	0	0	0	0	40	28	30
23:00	0	0	0	1	11	1	0	0	0	0	0	0	0	0	13	28	29
Total	2	5	9	288	2033	1447	219	23	10	2	2	0	1	0	4041		
Percent	0.0%	0.1%	0.2%	7.1%	50.3%	35.8%	5.4%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	07:00	08:00	09:00	10:00	07:00	11:00	10:00	07:00						10:00		
Vol.	1	1	1	22	162	121	19	4	1						294		
PM Peak	20:00	12:00	20:00	16:00	15:00	12:00	12:00	16:00	14:00	14:00	15:00		16:00		15:00		
Vol.	1	1	3	24	185	109	22	3	2	1	1		1		328		
Total	2	5	9	288	2033	1447	219	23	10	2	2	0	1	0	4041		
Percent	0.0%	0.1%	0.2%	7.1%	50.3%	35.8%	5.4%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 33 MPH  
95th Percentile : 36 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3480  
Percent in Pace : 86.1%  
Number of Vehicles > 25 MPH : 3737  
Percent of Vehicles > 25 MPH : 92.5%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-086  
Robert Rd south of Loos Dr  
34.602128, -112.321141  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	9	20	5	1	0	0	0	0	0	0	0	35	28	30
01:00	0	0	0	6	7	4	0	0	0	0	0	0	0	0	17	27	31
02:00	0	0	0	4	17	5	1	0	0	0	0	0	0	0	27	29	31
03:00	0	0	0	4	6	5	1	0	0	0	0	0	0	0	16	29	33
04:00	0	0	1	2	20	17	2	1	0	0	0	0	0	0	43	30	33
05:00	1	1	0	13	76	59	12	3	0	0	0	0	0	0	165	30	34
06:00	2	1	0	23	109	111	33	4	0	0	0	0	0	0	283	31	34
07:00	6	3	1	20	210	191	29	0	1	0	0	0	0	0	461	30	33
08:00	1	2	2	27	228	187	30	2	2	1	0	0	1	0	483	30	34
09:00	6	1	1	33	259	193	30	4	2	0	0	0	0	0	529	30	33
10:00	6	2	1	21	292	220	42	5	0	0	0	0	0	0	589	30	34
11:00	2	2	3	31	246	226	41	5	1	0	0	0	0	0	557	30	34
12 PM	4	1	1	34	308	235	49	3	2	0	0	0	0	0	637	30	34
13:00	5	2	3	34	289	231	33	3	1	0	0	0	0	0	601	30	33
14:00	0	1	2	32	340	250	43	6	3	1	0	0	0	0	678	30	34
15:00	6	2	4	38	420	259	39	3	1	2	1	0	0	0	775	30	33
16:00	1	1	1	54	405	267	43	5	2	0	1	0	1	0	781	30	33
17:00	6	2	1	30	346	271	53	0	3	1	0	0	1	0	714	30	34
18:00	2	0	1	32	271	208	43	5	2	0	1	0	0	0	565	30	34
19:00	3	0	3	51	226	132	22	1	0	0	0	0	0	0	438	29	33
20:00	4	4	8	54	213	73	8	0	0	0	0	0	0	0	364	28	31
21:00	1	0	1	55	135	34	8	1	0	2	0	0	0	0	237	28	31
22:00	0	0	1	24	69	24	5	2	0	0	0	0	0	0	125	29	32
23:00	0	0	1	9	36	12	2	0	0	0	0	0	0	0	60	28	32
Total	56	25	36	640	4548	3219	570	53	20	7	3	0	3	0	9180		
Percent	0.6%	0.3%	0.4%	7.0%	49.5%	35.1%	6.2%	0.6%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	07:00	11:00	09:00	10:00	11:00	10:00	10:00	08:00	08:00			08:00		10:00		
Vol.	6	3	3	33	292	226	42	5	2	1			1		589		
PM Peak	15:00	20:00	20:00	21:00	15:00	17:00	17:00	14:00	14:00	15:00	15:00		16:00		16:00		
Vol.	6	4	8	55	420	271	53	6	3	2	1		1		781		
Total	56	25	36	640	4548	3219	570	53	20	7	3	0	3	0	9180		
Percent	0.6%	0.3%	0.4%	7.0%	49.5%	35.1%	6.2%	0.6%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 33 MPH  
95th Percentile : 36 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 7771  
Percent in Pace : 84.7%  
Number of Vehicles > 25 MPH : 8423  
Percent of Vehicles > 25 MPH : 91.8%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-085  
Robert Rd south of Spouse Dr  
34.607239, -112.320814  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	3	9	5	1	0	0	0	0	0	0	0	18	29	33
01:00	0	0	0	0	5	2	1	0	0	0	0	0	0	0	8	31	34
02:00	0	0	0	1	9	6	1	0	0	0	0	0	0	0	17	30	33
03:00	0	0	0	1	5	1	0	0	0	0	0	0	0	0	7	28	29
04:00	0	0	0	2	13	4	0	1	0	0	0	0	0	0	20	29	32
05:00	0	0	1	3	32	29	5	1	0	0	0	0	0	0	71	31	34
06:00	0	1	1	5	52	70	11	5	0	0	0	0	0	0	145	31	34
07:00	2	1	0	6	80	94	20	2	0	0	0	0	0	0	205	31	34
08:00	0	0	0	4	81	80	19	4	0	0	0	0	0	0	188	31	34
09:00	0	0	0	5	95	114	23	3	0	0	0	0	0	0	240	31	34
10:00	0	0	0	6	115	140	22	5	0	0	0	0	0	0	288	31	34
11:00	0	0	0	10	103	145	38	2	0	0	0	0	0	0	298	32	34
12 PM	1	1	1	6	119	147	41	5	0	0	0	0	0	0	321	32	34
13:00	2	0	0	5	120	172	24	3	1	0	0	0	0	0	327	31	34
14:00	1	0	0	2	150	174	24	4	1	0	0	0	0	0	356	31	34
15:00	2	0	1	5	183	184	38	3	1	1	0	0	0	0	418	31	34
16:00	1	0	2	8	193	186	39	3	3	0	0	0	0	0	435	31	34
17:00	0	0	0	7	182	187	42	5	0	0	0	0	0	0	423	31	34
18:00	0	0	0	5	120	118	25	9	0	0	0	0	0	0	277	31	34
19:00	0	0	0	10	124	96	19	3	0	0	0	0	0	0	252	31	34
20:00	0	0	0	21	123	53	2	0	0	0	0	0	0	0	199	29	32
21:00	0	0	0	18	78	36	4	0	0	1	0	0	0	0	137	29	32
22:00	0	0	0	6	40	19	2	2	0	0	0	0	0	0	69	30	33
23:00	0	0	0	2	24	11	2	0	0	0	0	0	0	0	39	30	33
Total	9	3	6	141	2055	2073	403	60	6	2	0	0	0	0	4758		
Percent	0.2%	0.1%	0.1%	3.0%	43.2%	43.6%	8.5%	1.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	06:00	05:00	11:00	10:00	11:00	11:00	06:00							11:00		
Vol.	2	1	1	10	115	145	38	5							298		
PM Peak	13:00	12:00	16:00	20:00	16:00	17:00	17:00	18:00	16:00	15:00					16:00		
Vol.	2	1	2	21	193	187	42	9	3	1					435		
Total	9	3	6	141	2055	2073	403	60	6	2	0	0	0	0	4758		
Percent	0.2%	0.1%	0.1%	3.0%	43.2%	43.6%	8.5%	1.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 37 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 4129  
Percent in Pace : 86.8%  
Number of Vehicles > 25 MPH : 4599  
Percent of Vehicles > 25 MPH : 96.7%  
Mean Speed(Average) : 31 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-085  
Robert Rd south of Spouse Dr  
34.607239, -112.320814  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	2	4	3	1	1	0	0	0	0	0	0	11	31	36
01:00	0	0	1	1	7	4	0	0	0	0	0	0	0	0	13	28	32
02:00	0	0	0	0	5	3	2	0	0	0	0	0	0	0	10	32	36
03:00	0	0	0	1	8	8	2	0	0	0	0	0	0	0	19	31	34
04:00	0	0	0	0	20	21	2	1	0	0	0	0	0	0	44	31	34
05:00	0	0	0	2	55	56	13	2	1	0	0	0	0	0	129	31	34
06:00	0	0	1	5	93	93	38	4	1	0	0	0	0	0	235	32	36
07:00	0	0	0	15	154	142	45	6	2	0	1	0	0	0	365	31	34
08:00	1	0	1	28	146	131	34	5	1	1	0	0	0	0	348	31	34
09:00	0	0	0	20	136	166	22	10	0	1	0	0	0	0	355	31	34
10:00	0	0	2	11	163	118	33	5	0	0	0	0	0	0	332	31	34
11:00	0	0	0	15	122	128	29	8	1	0	0	0	0	0	303	31	34
12 PM	0	0	1	17	153	159	31	6	1	1	0	0	0	0	369	31	34
13:00	0	0	0	17	127	146	23	5	0	0	0	0	0	0	318	31	34
14:00	0	0	0	11	121	137	47	7	1	0	0	0	0	0	324	32	35
15:00	1	2	0	20	169	133	41	7	0	1	0	0	0	0	374	31	34
16:00	0	0	2	19	159	144	40	10	1	0	0	0	0	0	375	31	34
17:00	0	0	0	23	135	148	43	5	2	0	0	0	0	0	356	31	34
18:00	0	0	1	16	127	97	25	1	1	1	1	0	0	0	270	31	34
19:00	0	0	0	22	103	68	24	3	0	0	0	0	0	0	220	30	34
20:00	0	0	0	15	85	50	16	4	0	0	0	0	0	0	170	30	34
21:00	0	0	0	12	47	34	4	2	0	0	0	0	0	0	99	30	33
22:00	0	0	0	7	24	23	1	0	0	0	0	0	0	0	55	30	33
23:00	0	0	0	1	10	4	1	1	1	0	0	0	0	0	18	31	36
Total	2	2	9	280	2173	2016	517	93	13	5	2	0	0	0	5112		
Percent	0.0%	0.0%	0.2%	5.5%	42.5%	39.4%	10.1%	1.8%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00		10:00	08:00	10:00	09:00	07:00	09:00	07:00	08:00	07:00				07:00		
Vol.	1		2	28	163	166	45	10	2	1	1				365		
PM Peak	15:00	15:00	16:00	17:00	15:00	12:00	14:00	16:00	17:00	12:00	18:00				16:00		
Vol.	1	2	2	23	169	159	47	10	2	1	1				375		
Total	2	2	9	280	2173	2016	517	93	13	5	2	0	0	0	5112		
Percent	0.0%	0.0%	0.2%	5.5%	42.5%	39.4%	10.1%	1.8%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 4189  
Percent in Pace : 81.9%  
Number of Vehicles > 25 MPH : 4819  
Percent of Vehicles > 25 MPH : 94.3%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 3

Site Code: Tues 05/30/23  
Station ID: 23-1225-085  
Robert Rd south of Spouse Dr  
34.607239, -112.320814  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	5	13	8	2	1	0	0	0	0	0	0	29	30	34
01:00	0	0	1	1	12	6	1	0	0	0	0	0	0	0	21	29	33
02:00	0	0	0	1	14	9	3	0	0	0	0	0	0	0	27	31	34
03:00	0	0	0	2	13	9	2	0	0	0	0	0	0	0	26	30	33
04:00	0	0	0	2	33	25	2	2	0	0	0	0	0	0	64	31	33
05:00	0	0	1	5	87	85	18	3	1	0	0	0	0	0	200	31	34
06:00	0	1	2	10	145	163	49	9	1	0	0	0	0	0	380	32	35
07:00	2	1	0	21	234	236	65	8	2	0	1	0	0	0	570	31	34
08:00	1	0	1	32	227	211	53	9	1	1	0	0	0	0	536	31	34
09:00	0	0	0	25	231	280	45	13	0	1	0	0	0	0	595	31	34
10:00	0	0	2	17	278	258	55	10	0	0	0	0	0	0	620	31	34
11:00	0	0	0	25	225	273	67	10	1	0	0	0	0	0	601	31	34
12 PM	1	1	2	23	272	306	72	11	1	1	0	0	0	0	690	31	34
13:00	2	0	0	22	247	318	47	8	1	0	0	0	0	0	645	31	34
14:00	1	0	0	13	271	311	71	11	2	0	0	0	0	0	680	32	34
15:00	3	2	1	25	352	317	79	10	1	2	0	0	0	0	792	31	34
16:00	1	0	4	27	352	330	79	13	4	0	0	0	0	0	810	31	34
17:00	0	0	0	30	317	335	85	10	2	0	0	0	0	0	779	31	34
18:00	0	0	1	21	247	215	50	10	1	1	1	0	0	0	547	31	34
19:00	0	0	0	32	227	164	43	6	0	0	0	0	0	0	472	30	34
20:00	0	0	0	36	208	103	18	4	0	0	0	0	0	0	369	30	33
21:00	0	0	0	30	125	70	8	2	0	1	0	0	0	0	236	29	33
22:00	0	0	0	13	64	42	3	2	0	0	0	0	0	0	124	30	33
23:00	0	0	0	3	34	15	3	1	1	0	0	0	0	0	57	30	33
Total	11	5	15	421	4228	4089	920	153	19	7	2	0	0	0	9870		
Percent	0.1%	0.1%	0.2%	4.3%	42.8%	41.4%	9.3%	1.6%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	06:00	06:00	08:00	10:00	09:00	11:00	09:00	07:00	08:00	07:00				10:00		
Vol.	2	1	2	32	278	280	67	13	2	1	1				620		
PM Peak	15:00	15:00	16:00	20:00	15:00	17:00	17:00	16:00	16:00	15:00	18:00				16:00		
Vol.	3	2	4	36	352	335	85	13	4	2	1				810		
Total	11	5	15	421	4228	4089	920	153	19	7	2	0	0	0	9870		
Percent	0.1%	0.1%	0.2%	4.3%	42.8%	41.4%	9.3%	1.6%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 8318  
Percent in Pace : 84.3%  
Number of Vehicles > 25 MPH : 9418  
Percent of Vehicles > 25 MPH : 95.4%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Wed 05/31/23  
Station ID: 23-1225-084  
Robert Rd south of Manely Dr  
34.612927, -112.320648  
Latitude: 0' 0.0000 Undefined

## Northbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/31/23	0	0	0	1	13	4	1	0	0	0	0	0	0	0	19	29	32
01:00	0	0	0	3	1	2	1	0	0	0	0	0	0	0	7	29	34
02:00	0	0	0	2	6	3	1	0	0	0	0	0	0	0	12	29	33
03:00	0	0	0	2	3	1	0	0	0	0	0	0	0	0	6	27	30
04:00	0	0	2	3	8	9	0	2	0	0	0	0	0	0	24	30	34
05:00	1	0	0	6	27	37	8	4	0	0	0	0	0	0	83	31	34
06:00	0	1	1	7	60	78	16	5	1	0	0	0	0	0	169	31	34
07:00	0	1	0	2	93	113	24	4	0	0	0	0	0	0	237	32	34
08:00	1	0	0	10	87	93	20	2	1	0	0	0	0	0	214	31	34
09:00	0	1	0	7	88	101	18	4	0	1	0	0	0	0	220	31	34
10:00	0	1	0	5	102	121	18	5	0	0	1	0	0	0	253	31	34
11:00	0	1	0	13	110	120	38	1	0	0	0	1	0	0	284	31	34
12 PM	0	0	3	9	129	126	35	3	0	0	0	0	0	0	305	31	34
13:00	0	0	2	6	134	135	22	2	0	0	0	0	0	0	301	31	34
14:00	0	0	2	11	136	139	19	4	0	0	0	0	0	0	311	31	34
15:00	0	1	1	12	143	147	35	6	0	0	0	0	0	0	345	31	34
16:00	0	0	1	12	146	196	44	8	1	0	0	0	0	0	408	32	34
17:00	0	1	2	14	139	174	37	8	0	0	0	0	0	0	375	31	34
18:00	0	0	1	13	115	105	20	4	0	0	0	0	0	0	258	31	34
19:00	0	0	1	16	96	78	15	2	0	0	0	0	0	0	208	30	34
20:00	1	0	0	13	94	53	6	0	0	0	0	0	0	0	167	29	33
21:00	0	0	2	12	74	34	5	1	0	1	0	0	0	0	129	29	33
22:00	0	0	0	4	34	20	5	1	0	0	0	0	0	0	64	30	34
23:00	0	0	0	3	9	12	3	1	0	0	0	0	0	0	28	31	34
Total	3	7	18	186	1847	1901	391	67	3	2	1	1	0	0	4427		
Percent	0.1%	0.2%	0.4%	4.2%	41.7%	42.9%	8.8%	1.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	05:00	06:00	04:00	11:00	11:00	10:00	11:00	06:00	06:00	09:00	10:00	11:00			11:00		
Vol.	1	1	2	13	110	121	38	5	1	1	1	1			284		
PM Peak	20:00	15:00	12:00	19:00	16:00	16:00	16:00	16:00	16:00	21:00					16:00		
Vol.	1	1	3	16	146	196	44	8	1	1					408		
Total	3	7	18	186	1847	1901	391	67	3	2	1	1	0	0	4427		
Percent	0.1%	0.2%	0.4%	4.2%	41.7%	42.9%	8.8%	1.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3748  
Percent in Pace : 84.7%  
Number of Vehicles > 25 MPH : 4213  
Percent of Vehicles > 25 MPH : 95.2%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 2

Site Code: Wed 05/31/23  
Station ID: 23-1225-084  
Robert Rd south of Manely Dr  
34.612927, -112.320648  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/31/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
05:00	0	0	0	0	1	3	0	0	0	0	0	0	0	0	4	32	34
06:00	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3	30	32
07:00	0	0	0	1	5	9	3	0	0	0	0	0	0	0	18	32	35
08:00	0	0	0	1	18	25	1	1	0	0	0	0	0	0	46	31	34
09:00	1	0	0	4	30	34	8	0	0	0	0	0	0	0	77	31	34
10:00	0	0	0	6	18	22	1	0	0	1	0	0	0	0	48	30	33
11:00	0	0	0	1	28	34	9	2	0	0	0	0	0	0	74	32	34
12 PM	0	0	0	2	22	26	6	0	0	0	0	0	0	0	56	31	34
13:00	1	0	1	1	21	30	2	0	0	0	0	0	0	0	56	30	33
14:00	0	0	0	2	22	26	4	1	0	0	0	0	0	0	55	31	34
15:00	6	0	0	2	29	32	6	0	0	0	0	0	1	0	76	30	34
16:00	2	0	0	1	44	39	3	0	0	0	0	0	0	0	89	30	33
17:00	0	0	0	3	25	37	8	0	0	0	0	0	0	0	73	31	34
18:00	0	0	0	1	18	18	2	0	0	0	0	0	0	0	39	31	33
19:00	1	0	0	1	7	6	2	0	0	0	0	0	0	0	17	29	34
20:00	0	0	0	1	8	5	1	0	0	0	0	0	0	0	15	30	33
21:00	0	0	0	0	2	8	0	0	0	0	0	0	0	0	10	32	34
22:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	28	29
23:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	31	33
Total	11	0	1	27	304	357	56	4	0	1	0	0	1	0	762		
Percent	1.4%	0.0%	0.1%	3.5%	39.9%	46.9%	7.3%	0.5%	0.0%	0.1%	0.0%	0.0%	0.1%	0.0%			
AM Peak	09:00			10:00	09:00	09:00	11:00	11:00		10:00					09:00		
Vol.	1			6	30	34	9	2		1					77		
PM Peak	15:00		13:00	17:00	16:00	16:00	17:00	14:00					15:00		16:00		
Vol.	6		1	3	44	39	8	1					1		89		
Total	11	0	1	27	304	357	56	4	0	1	0	0	1	0	762		
Percent	1.4%	0.0%	0.1%	3.5%	39.9%	46.9%	7.3%	0.5%	0.0%	0.1%	0.0%	0.0%	0.1%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 37 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 662  
Percent in Pace : 86.9%  
Number of Vehicles > 25 MPH : 723  
Percent of Vehicles > 25 MPH : 94.9%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23  
Station ID: 23-1225-084  
Robert Rd south of Manely Dr  
34.612927, -112.320648  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/31/23	0	0	0	1	13	4	1	0	0	0	0	0	0	0	19	29	32
01:00	0	0	0	3	1	2	1	0	0	0	0	0	0	0	7	29	34
02:00	0	0	0	2	7	3	1	0	0	0	0	0	0	0	13	29	33
03:00	0	0	0	2	3	1	0	0	0	0	0	0	0	0	6	27	30
04:00	0	0	2	3	8	10	0	2	0	0	0	0	0	0	25	30	34
05:00	1	0	0	6	28	40	8	4	0	0	0	0	0	0	87	31	34
06:00	0	1	1	7	62	79	16	5	1	0	0	0	0	0	172	31	34
07:00	0	1	0	3	98	122	27	4	0	0	0	0	0	0	255	32	34
08:00	1	0	0	11	105	118	21	3	1	0	0	0	0	0	260	31	34
09:00	1	1	0	11	118	135	26	4	0	1	0	0	0	0	297	31	34
10:00	0	1	0	11	120	143	19	5	0	1	1	0	0	0	301	31	34
11:00	0	1	0	14	138	154	47	3	0	0	0	1	0	0	358	31	34
12 PM	0	0	3	11	151	152	41	3	0	0	0	0	0	0	361	31	34
13:00	1	0	3	7	155	165	24	2	0	0	0	0	0	0	357	31	34
14:00	0	0	2	13	158	165	23	5	0	0	0	0	0	0	366	31	34
15:00	6	1	1	14	172	179	41	6	0	0	0	0	1	0	421	31	34
16:00	2	0	1	13	190	235	47	8	1	0	0	0	0	0	497	31	34
17:00	0	1	2	17	164	211	45	8	0	0	0	0	0	0	448	31	34
18:00	0	0	1	14	133	123	22	4	0	0	0	0	0	0	297	31	34
19:00	1	0	1	17	103	84	17	2	0	0	0	0	0	0	225	30	34
20:00	1	0	0	14	102	58	7	0	0	0	0	0	0	0	182	29	33
21:00	0	0	2	12	76	42	5	1	0	1	0	0	0	0	139	30	33
22:00	0	0	0	4	36	20	5	1	0	0	0	0	0	0	66	30	34
23:00	0	0	0	3	10	13	3	1	0	0	0	0	0	0	30	31	34
Total	14	7	19	213	2151	2258	447	71	3	3	1	1	1	0	5189		
Percent	0.3%	0.1%	0.4%	4.1%	41.5%	43.5%	8.6%	1.4%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	05:00	06:00	04:00	11:00	11:00	11:00	11:00	06:00	06:00	09:00	10:00	11:00			11:00		
Vol.	1	1	2	14	138	154	47	5	1	1	1	1			358		
PM Peak	15:00	15:00	12:00	17:00	16:00	16:00	16:00	16:00	16:00	21:00			15:00		16:00		
Vol.	6	1	3	17	190	235	47	8	1	1			1		497		
Total	14	7	19	213	2151	2258	447	71	3	3	1	1	1	0	5189		
Percent	0.3%	0.1%	0.4%	4.1%	41.5%	43.5%	8.6%	1.4%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 37 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 4410  
Percent in Pace : 85.0%  
Number of Vehicles > 25 MPH : 4936  
Percent of Vehicles > 25 MPH : 95.1%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 11/17/22  
Station ID: 22-1620-005  
Robert Rd btwn Long Mesa Dr & Tranquil  
Blvd 34.620822, -112.317160  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	2	3	1	1	0	0	0	0	0	0	0	7	29	34
01:00	0	0	0	0	3	2	0	0	0	0	0	0	0	0	5	30	33
02:00	0	0	0	0	2	4	0	0	0	0	0	0	0	0	6	31	33
03:00	0	0	0	0	6	2	1	0	0	0	0	0	0	0	9	30	34
04:00	0	0	0	4	15	7	0	0	0	0	0	0	0	0	26	29	32
05:00	0	0	0	7	47	25	1	0	0	0	0	0	0	0	80	29	32
06:00	0	0	1	22	99	29	1	0	0	0	0	0	0	0	152	28	31
07:00	0	0	4	45	201	33	3	1	0	0	0	0	0	0	287	28	29
08:00	4	0	1	40	164	41	0	0	0	0	0	0	0	0	250	28	30
09:00	0	1	1	29	123	33	4	2	0	0	0	0	0	0	193	28	31
10:00	1	1	3	39	136	43	4	1	0	0	0	0	0	0	228	28	31
11:00	0	0	0	30	143	49	2	0	0	0	0	0	0	0	224	29	31
12 PM	0	1	1	30	142	53	1	1	1	0	0	0	0	0	230	29	32
13:00	0	0	2	33	138	44	3	0	0	1	0	0	0	0	221	28	31
14:00	2	0	0	36	187	42	2	0	0	0	0	0	0	0	269	28	30
15:00	0	0	4	47	210	61	3	1	0	0	0	0	0	0	326	28	31
16:00	0	0	1	30	180	81	9	0	1	0	0	1	0	0	303	29	32
17:00	0	0	3	39	166	56	5	0	1	0	1	0	0	0	271	29	31
18:00	0	0	0	22	113	35	2	0	0	0	0	0	1	0	173	29	31
19:00	0	0	0	24	78	17	4	0	0	0	0	0	0	0	123	28	30
20:00	0	0	0	10	56	16	3	0	0	0	0	0	0	0	85	29	31
21:00	0	0	0	5	33	8	1	0	0	0	0	0	0	0	47	29	31
22:00	0	0	0	6	17	11	0	0	0	0	0	0	0	0	34	29	32
23:00	0	0	0	3	13	6	1	0	0	0	0	0	0	0	23	29	32
Total	7	3	21	503	2275	699	51	6	3	1	1	1	1	0	3572		
Percent	0.2%	0.1%	0.6%	14.1%	63.7%	19.6%	1.4%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	07:00	07:00	07:00	11:00	09:00	09:00							07:00		
Vol.	4	1	4	45	201	49	4	2							287		
PM Peak	14:00	12:00	15:00	15:00	15:00	16:00	16:00	12:00	12:00	13:00	17:00	16:00	18:00		15:00		
Vol.	2	1	4	47	210	81	9	1	1	1	1	1	1		326		
Total	7	3	21	503	2275	699	51	6	3	1	1	1	1	0	3572		
Percent	0.2%	0.1%	0.6%	14.1%	63.7%	19.6%	1.4%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 27 MPH  
85th Percentile : 31 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2975  
Percent in Pace : 83.3%  
Number of Vehicles > 25 MPH : 3038  
Percent of Vehicles > 25 MPH : 85.1%  
Mean Speed(Average) : 28 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-005  
Robert Rd btwn Long Mesa Dr & Tranquil  
Blvd 34.620822, -112.317160  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	1	4	0	0	0	1	0	0	0	0	0	6	31	45
01:00	0	0	0	1	2	1	1	0	0	0	0	0	0	0	5	30	36
02:00	0	0	0	0	2	2	1	0	0	0	0	0	0	0	5	32	36
03:00	0	0	0	0	5	1	0	0	0	0	0	0	0	0	6	29	30
04:00	0	0	0	2	3	4	2	0	0	0	0	0	0	0	11	31	35
05:00	0	0	0	0	4	25	3	0	0	0	0	0	0	0	32	33	34
06:00	0	1	0	3	54	44	4	0	0	0	0	0	0	0	106	30	33
07:00	0	0	3	11	82	114	22	1	0	0	0	0	0	0	233	31	34
08:00	0	0	0	7	100	124	12	2	0	0	0	0	0	0	245	31	34
09:00	0	0	1	8	90	104	8	1	0	0	0	0	0	0	212	31	33
10:00	0	0	0	7	102	103	10	0	0	0	0	0	1	0	223	31	33
11:00	0	0	0	15	75	116	18	0	0	0	0	0	0	0	224	31	34
12 PM	0	1	5	13	90	101	21	0	0	0	0	0	0	0	231	31	34
13:00	0	0	0	12	81	102	21	2	0	0	0	0	0	0	218	31	34
14:00	1	0	1	6	111	134	18	1	0	0	0	0	0	0	272	31	34
15:00	1	4	5	16	111	154	8	1	0	0	0	0	0	0	300	30	33
16:00	0	0	0	9	120	158	19	1	1	0	0	0	0	0	308	31	34
17:00	1	0	0	13	123	110	14	1	0	0	0	0	0	0	262	30	33
18:00	0	0	0	3	66	54	13	3	0	0	0	0	0	0	139	31	34
19:00	0	0	0	2	40	45	4	0	0	0	0	0	0	0	91	31	33
20:00	0	0	0	1	25	22	7	2	0	0	0	0	0	0	57	32	35
21:00	0	0	0	1	18	20	5	0	0	0	0	0	0	0	44	31	34
22:00	0	0	0	0	12	8	4	0	0	0	0	0	0	0	24	31	35
23:00	0	0	0	0	8	6	1	0	0	0	0	0	0	0	15	31	33
Total	3	6	15	131	1328	1552	216	15	2	0	0	0	1	0	3269		
Percent	0.1%	0.2%	0.5%	4.0%	40.6%	47.5%	6.6%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.		06:00 1	07:00 3	11:00 15	10:00 102	08:00 124	07:00 22	08:00 2	00:00 1				10:00 1		08:00 245		
PM Peak Vol.	14:00 1	15:00 4	12:00 5	15:00 16	17:00 123	16:00 158	12:00 21	18:00 3	16:00 1						16:00 308		
Total	3	6	15	131	1328	1552	216	15	2	0	0	0	1	0	3269		
Percent	0.1%	0.2%	0.5%	4.0%	40.6%	47.5%	6.6%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 36 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2880  
Percent in Pace : 88.1%  
Number of Vehicles > 25 MPH : 3114  
Percent of Vehicles > 25 MPH : 95.3%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-005  
Robert Rd btwn Long Mesa Dr & Tranquil  
Blvd 34.620822, -112.317160  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	3	7	1	1	0	1	0	0	0	0	0	13	30	35
01:00	0	0	0	1	5	3	1	0	0	0	0	0	0	0	10	30	34
02:00	0	0	0	0	4	6	1	0	0	0	0	0	0	0	11	32	34
03:00	0	0	0	0	11	3	1	0	0	0	0	0	0	0	15	30	32
04:00	0	0	0	6	18	11	2	0	0	0	0	0	0	0	37	29	33
05:00	0	0	0	7	51	50	4	0	0	0	0	0	0	0	112	30	33
06:00	0	1	1	25	153	73	5	0	0	0	0	0	0	0	258	29	32
07:00	0	0	7	56	283	147	25	2	0	0	0	0	0	0	520	29	33
08:00	4	0	1	47	264	165	12	2	0	0	0	0	0	0	495	29	33
09:00	0	1	2	37	213	137	12	3	0	0	0	0	0	0	405	30	33
10:00	1	1	3	46	238	146	14	1	0	0	0	0	1	0	451	29	33
11:00	0	0	0	45	218	165	20	0	0	0	0	0	0	0	448	30	33
12 PM	0	2	6	43	232	154	22	1	1	0	0	0	0	0	461	30	33
13:00	0	0	2	45	219	146	24	2	0	1	0	0	0	0	439	30	33
14:00	3	0	1	42	298	176	20	1	0	0	0	0	0	0	541	30	33
15:00	1	4	9	63	321	215	11	2	0	0	0	0	0	0	626	29	33
16:00	0	0	1	39	300	239	28	1	2	0	0	1	0	0	611	30	33
17:00	1	0	3	52	289	166	19	1	1	0	1	0	0	0	533	29	33
18:00	0	0	0	25	179	89	15	3	0	0	0	0	1	0	312	30	33
19:00	0	0	0	26	118	62	8	0	0	0	0	0	0	0	214	29	33
20:00	0	0	0	11	81	38	10	2	0	0	0	0	0	0	142	30	33
21:00	0	0	0	6	51	28	6	0	0	0	0	0	0	0	91	30	33
22:00	0	0	0	6	29	19	4	0	0	0	0	0	0	0	58	30	33
23:00	0	0	0	3	21	12	2	0	0	0	0	0	0	0	38	30	33
Total	10	9	36	634	3603	2251	267	21	5	1	1	1	2	0	6841		
Percent	0.1%	0.1%	0.5%	9.3%	52.7%	32.9%	3.9%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	06:00	07:00	07:00	07:00	08:00	07:00	09:00	00:00				10:00		07:00		
Vol.	4	1	7	56	283	165	25	3	1				1		520		
PM Peak	14:00	15:00	15:00	15:00	15:00	16:00	16:00	18:00	16:00	13:00	17:00	16:00	18:00		15:00		
Vol.	3	4	9	63	321	239	28	3	2	1	1	1	1		626		
Total	10	9	36	634	3603	2251	267	21	5	1	1	1	2	0	6841		
Percent	0.1%	0.1%	0.5%	9.3%	52.7%	32.9%	3.9%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 5855  
Percent in Pace : 85.6%  
Number of Vehicles > 25 MPH : 6152  
Percent of Vehicles > 25 MPH : 89.9%  
Mean Speed(Average) : 30 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 12/01/22  
Station ID: 22-1620-010  
Robert Rd south of AZ-89A  
34.636577, -112.316434  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/01/22	0	0	0	0	0	5	0	1	0	0	0	0	0	0	6	35	40
01:00	0	0	0	0	0	5	5	1	0	0	0	0	0	0	11	36	39
02:00	0	0	0	1	0	0	5	1	0	0	0	0	0	0	7	37	39
03:00	0	0	0	0	5	6	3	0	0	0	0	0	0	0	14	32	36
04:00	0	0	0	0	1	6	6	4	0	0	1	0	0	0	18	38	42
05:00	0	0	0	3	15	35	19	4	2	0	0	0	0	0	78	34	38
06:00	0	1	0	2	30	80	33	3	1	0	0	0	0	0	150	33	37
07:00	0	0	0	3	34	164	75	11	1	1	0	0	0	0	289	34	37
08:00	0	0	0	0	26	127	103	21	1	0	0	0	0	0	278	35	39
09:00	0	0	0	2	30	107	61	17	3	0	0	0	0	0	220	35	38
10:00	0	0	0	0	18	96	56	18	4	0	1	0	0	0	193	35	39
11:00	0	1	0	5	30	82	54	19	7	1	0	0	0	0	199	35	39
12 PM	0	0	0	1	14	80	88	25	3	0	0	0	0	0	211	36	39
13:00	0	2	0	7	37	91	54	24	1	0	0	0	0	0	216	34	39
14:00	0	0	0	0	19	122	71	29	3	0	0	0	0	0	244	35	39
15:00	0	0	0	2	38	148	112	18	6	1	0	0	0	0	325	35	38
16:00	0	0	0	2	33	134	85	21	3	1	1	0	0	0	280	35	39
17:00	0	0	0	1	32	134	65	10	1	1	2	0	0	0	246	34	38
18:00	0	0	0	2	16	54	29	6	1	0	1	0	0	0	109	34	38
19:00	0	0	0	2	13	50	16	3	0	0	0	0	0	0	84	33	36
20:00	0	0	0	1	5	23	16	0	1	0	0	0	0	0	46	34	38
21:00	0	0	0	0	3	17	3	3	2	0	0	0	0	0	28	35	41
22:00	0	0	0	0	3	13	10	3	0	0	0	0	0	0	29	35	39
23:00	0	0	0	0	0	3	1	4	0	0	0	0	0	0	8	39	43
Total	0	4	0	34	402	1582	970	246	40	5	6	0	0	0	3289		
Percent	0.0%	0.1%	0.0%	1.0%	12.2%	48.1%	29.5%	7.5%	1.2%	0.2%	0.2%	0.0%	0.0%	0.0%			
AM Peak		06:00		11:00	07:00	07:00	08:00	08:00	11:00	07:00	04:00				07:00		
Vol.		1		5	34	164	103	21	7	1	1				289		
PM Peak		13:00		13:00	15:00	15:00	15:00	14:00	15:00	15:00	17:00				15:00		
Vol.		2		7	38	148	112	29	6	1	2				325		
Total	0	4	0	34	402	1582	970	246	40	5	6	0	0	0	3289		
Percent	0.0%	0.1%	0.0%	1.0%	12.2%	48.1%	29.5%	7.5%	1.2%	0.2%	0.2%	0.0%	0.0%	0.0%			

15th Percentile : 30 MPH  
50th Percentile : 33 MPH  
85th Percentile : 38 MPH  
95th Percentile : 42 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 2552  
Percent in Pace : 77.6%  
Number of Vehicles > 30 MPH : 2849  
Percent of Vehicles > 30 MPH : 86.6%  
Mean Speed(Average) : 35 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-010  
Robert Rd south of AZ-89A  
34.636577, -112.316434  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	010	1115	1620	2125	2630	3135	3640	4145	4650	5155	5660	6165	6670	7171	Total	Average (Mean)	85th Percent
12/01/22	0	0	0	0	3	3	3	0	1	0	0	0	0	0	10	35	39
01:00	0	0	0	0	5	2	5	0	0	0	0	0	0	0	12	33	38
02:00	0	0	0	0	2	1	1	1	0	0	0	0	0	0	5	34	41
03:00	0	0	0	1	3	3	1	3	0	0	0	0	0	0	11	34	42
04:00	0	0	0	1	5	13	5	0	0	0	0	0	0	0	24	33	36
05:00	0	0	0	2	13	35	19	4	0	0	0	0	0	0	73	34	38
06:00	0	1	1	0	25	68	29	4	0	0	0	0	0	0	128	33	37
07:00	1	1	0	1	74	153	61	10	1	0	0	0	0	0	302	33	37
08:00	0	0	0	0	66	171	55	7	1	0	0	0	0	0	300	33	36
09:00	0	0	0	2	32	92	56	11	0	0	2	0	0	0	195	34	38
10:00	0	0	0	2	21	104	36	3	0	0	0	0	0	0	166	34	36
11:00	0	0	0	3	40	117	46	13	0	0	0	1	0	0	220	34	37
12 PM	2	0	0	2	62	111	55	8	0	0	0	0	0	0	240	33	37
13:00	1	0	0	2	37	96	46	6	0	0	0	0	0	0	188	33	37
14:00	2	3	0	1	60	131	63	12	1	0	0	0	0	0	273	33	37
15:00	0	0	0	9	90	170	47	6	0	0	0	0	0	0	322	32	35
16:00	0	0	5	13	87	178	61	6	1	3	0	0	0	0	354	32	36
17:00	0	0	0	3	67	164	54	3	0	0	0	0	0	0	291	33	36
18:00	0	0	0	1	53	83	26	2	0	0	0	0	0	0	165	32	35
19:00	0	0	0	0	21	52	29	3	1	0	0	0	0	0	106	34	37
20:00	0	0	0	2	17	28	20	2	0	0	0	0	0	0	69	33	37
21:00	0	0	0	1	17	24	8	3	1	0	0	0	0	0	54	33	37
22:00	0	0	0	0	6	16	7	1	1	1	0	0	0	0	32	35	38
23:00	0	0	0	0	3	6	5	0	0	1	0	0	0	0	15	35	38
Total	6	5	6	46	809	1821	738	108	8	5	2	1	0	0	3555		
Percent	0.2%	0.1%	0.2%	1.3%	22.8%	51.2%	20.8%	3.0%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%			
AM Peak	07:00	06:00	06:00	11:00	07:00	08:00	07:00	11:00	00:00		09:00	11:00			07:00		
Vol.	1	1	1	3	74	171	61	13	1		2	1			302		
PM Peak	12:00	14:00	16:00	16:00	15:00	16:00	14:00	14:00	14:00	16:00					16:00		
Vol.	2	3	5	13	90	178	63	12	1	3					354		
Total	6	5	6	46	809	1821	738	108	8	5	2	1	0	0	3555		
Percent	0.2%	0.1%	0.2%	1.3%	22.8%	51.2%	20.8%	3.0%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 27 MPH  
50th Percentile : 32 MPH  
85th Percentile : 37 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2630  
Percent in Pace : 74.0%  
Number of Vehicles > 30 MPH : 2683  
Percent of Vehicles > 30 MPH : 75.5%  
Mean Speed(Average) : 33 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/01/22  
Station ID: 22-1620-010  
Robert Rd south of AZ-89A  
34.636577, -112.316434  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/01/22	0	0	0	0	3	8	3	1	1	0	0	0	0	0	16	35	39
01:00	0	0	0	0	5	7	10	1	0	0	0	0	0	0	23	35	38
02:00	0	0	0	1	2	1	6	2	0	0	0	0	0	0	12	36	40
03:00	0	0	0	1	8	9	4	3	0	0	0	0	0	0	25	33	39
04:00	0	0	0	1	6	19	11	4	0	0	1	0	0	0	42	35	39
05:00	0	0	0	5	28	70	38	8	2	0	0	0	0	0	151	34	38
06:00	0	<b>2</b>	<b>1</b>	2	55	148	62	7	1	0	0	0	0	0	278	33	37
07:00	<b>1</b>	1	0	4	<b>108</b>	<b>317</b>	136	21	2	<b>1</b>	0	0	0	0	<b>591</b>	34	37
08:00	0	0	0	0	92	298	<b>158</b>	28	2	0	0	0	0	0	578	34	38
09:00	0	0	0	4	62	199	117	28	3	0	<b>2</b>	0	0	0	415	34	38
10:00	0	0	0	2	39	200	92	21	4	0	1	0	0	0	359	35	38
11:00	0	1	0	<b>8</b>	70	199	100	<b>32</b>	<b>7</b>	1	0	<b>1</b>	0	0	419	34	38
12 PM	<b>2</b>	0	0	3	76	191	143	33	3	0	0	0	0	0	451	34	38
13:00	1	2	0	9	74	187	100	30	1	0	0	0	0	0	404	34	38
14:00	2	<b>3</b>	0	1	79	253	134	<b>41</b>	4	0	0	0	0	0	517	34	38
15:00	0	0	0	11	<b>128</b>	<b>318</b>	<b>159</b>	24	<b>6</b>	1	0	0	0	0	<b>647</b>	34	37
16:00	0	0	<b>5</b>	<b>15</b>	120	312	146	27	4	<b>4</b>	1	0	0	0	634	34	37
17:00	0	0	0	4	99	298	119	13	1	1	<b>2</b>	0	0	0	537	34	37
18:00	0	0	0	3	69	137	55	8	1	0	1	0	0	0	274	33	37
19:00	0	0	0	2	34	102	45	6	1	0	0	0	0	0	190	34	37
20:00	0	0	0	3	22	51	36	2	1	0	0	0	0	0	115	34	38
21:00	0	0	0	1	20	41	11	6	3	0	0	0	0	0	82	34	38
22:00	0	0	0	0	9	29	17	4	1	1	0	0	0	0	61	35	39
23:00	0	0	0	0	3	9	6	4	0	1	0	0	0	0	23	36	41
Total	6	9	6	80	1211	3403	1708	354	48	10	8	1	0	0	6844		
Percent	0.1%	0.1%	0.1%	1.2%	17.7%	49.7%	25.0%	5.2%	0.7%	0.1%	0.1%	0.0%	0.0%	0.0%			
AM Peak	07:00	06:00	06:00	11:00	07:00	07:00	08:00	11:00	11:00	07:00	09:00	11:00			07:00		
Vol.	1	2	1	8	108	317	158	32	7	1	2	1			591		
PM Peak	12:00	14:00	16:00	16:00	15:00	15:00	15:00	14:00	15:00	16:00	17:00				15:00		
Vol.	2	3	5	15	128	318	159	41	6	4	2				647		
Total	6	9	6	80	1211	3403	1708	354	48	10	8	1	0	0	6844		
Percent	0.1%	0.1%	0.1%	1.2%	17.7%	49.7%	25.0%	5.2%	0.7%	0.1%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 28 MPH  
50th Percentile : 33 MPH  
85th Percentile : 38 MPH  
95th Percentile : 41 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 5111  
Percent in Pace : 74.7%  
Number of Vehicles > 30 MPH : 5532  
Percent of Vehicles > 30 MPH : 80.8%  
Mean Speed(Average) : 34 MPH

## Crash Summary

### Segment 1: State Route 69 to Tranquil Boulevard

Data Period: 2019 - 2021

Total Crashes: 99

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3506277	3/27/2019	1:25 PM	2019	Robert Road	Loos Drive	-20	No Injury	Rear-end	Daylight	2	0	0	
2	3568055	10/9/2019	4:47 PM	2019	Loos Drive	Robert Road	0	Serious Injury	Left Turn	Daylight	2	1	0	
3	3608678	10/19/2019	1:24 PM	2019	Robert Road	Noel Court	-200	Possible Injury	Sideswipe	Daylight	2	1	0	
4	3506270	3/31/2019	2:17 AM	2019	Robert Road	Loos Drive	-200	Possible Injury	Single Vehicle	Dark Lighted	1	1	0	Yes
5	3517474	5/14/2019	4:13 PM	2019	Robert Road	Frank Lane	0	No Injury	Rear-end	Daylight	2	0	0	Yes
6	3517476	5/12/2019	6:40 PM	2019	Robert Road	Nace Lane	0	No Injury	Other	Dawn	3	0	0	
7	3474373	1/3/2019	7:36 PM	2019	Robert Road	Preston Drive	0	No Injury	Angle	Dark Lighted	2	0	0	
8	3517472	4/15/2019	7:52 AM	2019	Robert Road	Spouse Drive	-100	No Injury	Angle	Daylight	2	0	0	
9	3543038	7/19/2019	11:20 AM	2019	Spouse Drive	Robert Road	10	No Injury	Rear-end	Daylight	2	0	0	Yes
10	3531273	6/5/2019	5:13 PM	2019	Robert Road	Spouse Drive	0	No Injury	Rear-end	Daylight	2	0	0	Yes
11	3517470	4/25/2019	3:15 PM	2019	Spouse Drive	Robert Road	-30	No Injury	Rear-end	Daylight	2	0	0	Yes
12	3543037	7/19/2019	5:43 PM	2019	Robert Road	Spouse Drive	50	No Injury	Rear-end	Daylight	3	0	0	Yes
13	3595783	10/22/2019	12:27 PM	2019	Robert Road	Susan Circle	100	No Injury	Rear-end	Daylight	2	0	0	Yes
14	3552665	8/29/2019	4:11 PM	2019	Robert Road	Jacque Drive	227	No Injury	Rear-end	Daylight	2	0	0	Yes
15	3589244	8/29/2019	4:11 PM	2019	Robert Road	Jacque Drive	227	No Injury	Rear-end	Daylight	2	0	0	Yes
16	3484461	2/1/2019	1:02 PM	2019	Robert Road	Stevens Court	0	No Injury	Rear-end	Daylight	2	0	0	
17	3589558	11/7/2019	8:03 AM	2019	Robert Road	Lakeshore Drive	100	No Injury	Sideswipe	Daylight	2	0	0	
18	3565249	9/6/2019	3:41 PM	2019	Robert Road	Lakeshore Drive	50	No Injury	Sideswipe	Daylight	2	0	0	
19	3601264	12/8/2019	6:18 AM	2019	Robert Road	Lakeshore Drive	0	No Injury	Head-on	Dark Lighted	2	0	0	
20	3593252	12/8/2019	3:10 PM	2019	Robert Road	Judy Circle	0	Possible Injury	Rear-end	Daylight	2	1	0	Yes
21	3474432	1/15/2019	8:05 AM	2019	Robert Road	Ashley Drive	0	No Injury	Sideswipe	Daylight	2	0	0	
22	3565259	9/7/2019	6:13 PM	2019	Robert Road	Manley Drive	0	No Injury	Angle	Daylight	2	0	0	
23	3588972	11/11/2019	1:15 PM	2019	Robert Road	Manley Drive	0	No Injury	Left Turn	Daylight	2	0	0	
24	3502442	3/5/2019	1:09 PM	2019	Robert Road	Gale Road	-75	No Injury	U-turn	Daylight	2	0	0	
25	3585180	10/10/2019	3:13 PM	2019	Robert Road	Tranquil Boulevard	0	No Injury	Rear-end	Daylight	2	0	0	Yes
26	3484980	2/15/2019	10:59 AM	2019	Robert Road	Yavapai Road	20	No Injury	Rear-end	Daylight	2	0	0	Yes
27	3558746	9/10/2019	10:33 AM	2019	Robert Road	Yavapai Road	0	No Injury	Angle	Daylight	2	0	0	
28	3611683	12/23/2019	2:27 PM	2019	Yavapai Road	Robert Road	0	No Injury	Angle	Daylight	2	0	0	
29	3531287	6/10/2019	8:08 PM	2019	Robert Road	Florentine Road	0	Minor Injury	Angle	Dark Lighted	2	1	0	
30	3543057	7/3/2019	12:36 PM	2019	Robert Road	Florentine Road	0	No Injury	Angle	Daylight	2	0	0	
31	3595781	11/15/2019	2:53 PM	2019	Robert Road	Florentine Road	-20	Possible Injury	Rear-end	Daylight	2	1	0	Yes
32	3502445	3/2/2019	6:22 PM	2019	SR-69	Robert Road	0	Possible Injury	Rear-end	Daylight	3	1	0	Yes
33	3601272	12/20/2019	10:40 AM	2019	SR-69	Robert Road	0	No Injury	Single Vehicle	Daylight	1	0	0	
34	3657842	6/24/2020	3:28 PM	2020	Loos Drive	Robert Road	0	No Injury	Left Turn	Daylight	2	0	0	
35	3673646	8/14/2020	8:20 PM	2020	Loos Drive	Robert Road	0	Minor Injury	Left Turn	Dark Lighted	2	1	0	
36	3697713	10/24/2020	7:33 PM	2020	Loos Drive	Robert Road	0	No Injury	Left Turn	Dark Lighted	2	0	0	
37	3640568	4/3/2020	1:55 PM	2020	Robert Road	Phillip Drive	0	No Injury	Angle	Daylight	2	0	0	
38	3715040	12/12/2020	1:27 PM	2020	Robert Road	Spouse Drive	-25	No Injury	Rear-end	Daylight	2	0	0	Yes
39	3615014	1/27/2020	4:30 PM	2020	Robert Road	Spouse Drive	0	No Injury	Sideswipe	Daylight	3	0	0	
40	3623233	2/12/2020	3:28 PM	2020	Robert Road	Spouse Drive	0	No Injury	Left Turn	Daylight	2	0	0	
41	3685235	9/19/2020	3:54 PM	2020	Spouse Drive	Robert Road	0	Minor Injury	Angle	Daylight	2	2	0	
42	3639750	4/1/2020	4:21 PM	2020	Robert Road	Spouse Drive	48	Possible Injury	Rear-end	Daylight	2	1	0	Yes
43	3704854	11/6/2020	3:57 PM	2020	Robert Road	Stevens Court	0	Minor Injury	Other	Daylight	2	1	0	
44	3629106	3/4/2020	3:26 PM	2020	Robert Road	Lakeshore Drive	100	No Injury	Rear-end	Daylight	2	0	0	Yes
45	3625987	2/22/2020	4:56 PM	2020	Robert Road	Lakeshore Drive	3	No Injury	Rear-end	Daylight	2	0	0	Yes

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
46	3610173	1/10/2020	6:20 PM	2020	Robert Road	Lakeshore Drive	0	No Injury	Left Turn	Dark Lighted	2	0	0	
47	3649848	5/23/2020	8:33 PM	2020	Robert Road	Lakeshore Drive	0	No Injury	Angle	Dark Lighted	2	0	0	
48	3657845	6/20/2020	10:17 AM	2020	Robert Road	Lakeshore Drive	0	No Injury	Angle	Daylight	2	0	0	
49	3675690	8/20/2020	3:51 PM	2020	Robert Road	Lakeshore Drive	0	Minor Injury	Left Turn	Daylight	2	3	0	
50	3686936	9/28/2020	7:28 AM	2020	Robert Road	Lakeshore Drive	0	Minor Injury	Angle	Daylight	2	1	0	
51	3692460	10/11/2020	9:54 AM	2020	Robert Road	Lakeshore Drive	0	Minor Injury	Left Turn	Daylight	2	1	0	
52	3710787	12/6/2020	12:18 PM	2020	Robert Road	Lakeshore Drive	0	Possible Injury	Left Turn	Daylight	2	1	0	
53	3619036	2/9/2020	1:27 PM	2020	Manley Drive	Robert Road	0	No Injury	Left Turn	Daylight	2	0	0	
54	3625986	2/26/2020	1:35 PM	2020	Robert Road	Manley Drive	0	Minor Injury	Angle	Daylight	2	2	0	
55	3692462	10/12/2020	8:48 AM	2020	Robert Road	Yavapai Road	27	No Injury	Rear-end	Daylight	2	0	0	Yes
56	3710781	12/4/2020	7:33 PM	2020	Robert Road	Yavapai Road	0	No Injury	Left Turn	Dark Lighted	2	0	0	
57	3614601	1/21/2020	4:48 PM	2020	Robert Road	Florentine Road	0	Minor Injury	Left Turn	Dusk	2	1	0	Yes
58	3615018	1/26/2020	5:53 PM	2020	Florentine Road	Robert Road	0	No Injury	Single Vehicle	Daylight	1	0	0	
59	3650499	5/28/2020	12:11 PM	2020	Robert Road	Florentine Road	0	Possible Injury	Angle	Daylight	2	1	0	
60	3703504	11/6/2020	3:36 PM	2020	Robert Road	Florentine Road	0	No Injury	Angle	Daylight	2	0	0	
61	3712852	12/8/2020	3:53 PM	2020	Robert Road	Florentine Road	0	No Injury	Angle	Daylight	2	0	0	
62	3707449	11/24/2020	7:33 AM	2020	Robert Road	Florentine Road	-127	No Injury	Sideswipe	Daylight	2	0	0	
63	3718683	12/31/2020	11:28 PM	2020	Frontage Road	Robert Road	7	No Injury	Single Vehicle	Dark Lighted	1	0	0	Yes
64	3692794	10/7/2020	8:07 PM	2020	Robert Road	SR-69	10	No Injury	Left Turn	Dusk	2	0	0	
65	3649852	5/8/2020	2:58 PM	2020	SR-69	Robert Road	0	Serious Injury	Angle	Daylight	3	2	0	
66	3649849	5/23/2020	12:35 PM	2020	Robert Road	SR-69	0	No Injury	Rear-end	Daylight	2	0	0	Yes
67	3744885	3/18/2021	6:39 PM	2021	Loos Drive	Robert Road	0	Possible Injury	Left Turn	Dusk	2	1	0	
68	3753999	4/7/2021	3:39 PM	2021	Robert Road	Loos Drive	0	Possible Injury	Left Turn	Daylight	3	1	0	
69	3809053	9/4/2021	2:50 PM	2021	Robert Road	Loos Drive	0	Possible Injury	Angle	Daylight	2	1	0	
70	3738990	3/4/2021	3:11 PM	2021	Robert Road	Bevey Circle	0	No Injury	Left Turn	Daylight	2	0	0	
71	3785659	7/1/2021	12:44 PM	2021	Nace Lane	Robert Road	27	No Injury	Single Vehicle	Daylight	1	0	0	Yes
72	3798366	8/8/2021	1:58 PM	2021	Robert Road	Nace Lane	10	Possible Injury	Rear-end	Daylight	3	1	0	Yes
73	3830049	11/1/2021	10:03 AM	2021	Robert Road	Nace Lane	0	Possible Injury	Rear-end	Daylight	2	1	0	Yes
74	3788551	7/11/2021	10:15 AM	2021	Robert Road	Dana Drive	0	Possible Injury	Sideswipe	Daylight	2	1	0	
75	3845407	12/13/2021	5:32 PM	2021	Robert Road	Dana Drive	200	No Injury	Left Turn	Dusk	2	0	0	
76	3795762	7/13/2021	4:39 PM	2021	Robert Road	Spouse Drive	0	Minor Injury	Single Vehicle	Daylight	1	1	0	
77	3782416	6/13/2021	8:00 PM	2021	Spouse Drive	Robert Road	0	No Injury	Left Turn	Dawn	2	0	0	Yes
78	3844153	12/11/2021	8:14 AM	2021	Robert Road	Spouse Drive	0	No Injury	Angle	Daylight	3	0	0	
79	3740534	3/4/2021	9:15 AM	2021	Robert Road	Susan Circle	0	Possible Injury	Head-on	Daylight	2	1	0	
80	3758170	4/23/2021	4:11 PM	2021	Robert Road	Lakeshore Drive	50	No Injury	Sideswipe	Daylight	2	0	0	
81	3751254	3/23/2021	8:45 PM	2021	Robert Road	Lakeshore Drive	5	No Injury	Angle	Dark Lighted	2	0	0	
82	3762853	5/1/2021	12:09 PM	2021	Robert Road	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	
83	3815325	9/21/2021	7:21 AM	2021	Robert Road	Lakeshore Drive	0	No Injury	Left Turn	Daylight	2	0	0	
84	3824300	10/12/2021	2:52 PM	2021	Robert Road	Lakeshore Drive	20	No Injury	Sideswipe	Daylight	2	0	0	
85	3721397	1/8/2021	2:22 PM	2021	Robert Road	Gale Road	-180	Possible Injury	Rear-end	Daylight	2	1	0	
86	3722802	1/16/2021	6:17 PM	2021	Yavapai Road	Robert Road	0	No Injury	Left Turn	Dark Lighted	2	0	0	
87	3782418	6/20/2021	10:16 AM	2021	Yavapai Road	Robert Road	0	Minor Injury	Sideswipe	Daylight	2	4	0	
88	3821548	10/4/2021	4:07 PM	2021	Robert Road	Barbara Road	0	No Injury	Rear-end	Unknown	3	0	0	Yes
89	3853635	12/16/2021	5:51 PM	2021	Florentine Road	Robert Road	0	No Injury	Sideswipe	Dark Lighted	2	0	0	
90	3842194	12/4/2021	11:38 AM	2021	Robert Road	Florentine Road	5	No Injury	Rear-end	Daylight	3	0	0	
91	3747677	3/21/2021	1:24 PM	2021	Robert Road	Valley Road	20	No Injury	Angle	Daylight	2	0	0	
92	3853633	12/31/2021	11:08 AM	2021	Robert Road	Frontage Road	0	No Injury	Angle	Daylight	2	0	0	
93	3750802	3/30/2021	11:07 AM	2021	SR-69	M287	0.48	Minor Injury	Rear-end	Daylight	2	2	0	Yes
94	3757304	4/17/2021	8:27 PM	2021	Robert Road	SR-69	0	Possible Injury	Left Turn	Dark Lighted	2	1	0	
95	3757681	4/14/2021	10:12 AM	2021	Robert Road	SR-69	0	No Injury	Rear-end	Daylight	2	0	0	Yes
96	3802086	8/7/2021	12:23 PM	2021	Robert Road	SR-69	0	No Injury	Rear-end	Daylight	2	0	0	
97	3837214	11/13/2021	8:55 PM	2021	Robert Road	SR-69	0	No Injury	Left Turn	Dark Lighted	2	0	0	
98	3796859	7/27/2021	9:47 AM	2021	SR-69	Robert Road	27	No Injury	Sideswipe	Daylight	2	0	0	
99	3730778	1/16/2021	11:09 AM	2021	SR-69	Robert Road	40	No Injury	Rear-end	Daylight	2	0	0	Yes

**Segment 2: Tranquil Boulevard to Long Mesa Drive**

Data Period: 2019 - 2021

Total Crashes: 14

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3533001	6/13/2019	9:51 PM	2019	Robert Road	Tranquil Boulevard	0	No Injury	Rear-end	Dark Lighted	2	0	0	Yes
2	3510550	4/11/2019	7:59 AM	2019	Robert Road	Tranquil Boulevard	1020	No Injury	Rear-end	Daylight	2	0	0	Yes
3	3601253	12/18/2019	7:27 PM	2019	Robert Road	Long Mesa Drive	-600	No Injury	Angle	Dark Not Lighted	2	0	0	
4	3533007	6/23/2019	2:40 PM	2019	Robert Road	Long Mesa Drive	0	No Injury	Angle	Daylight	2	0	0	
5	3558745	9/4/2019	9:19 AM	2019	Robert Road	Long Mesa Drive	0	No Injury	Angle	Daylight	2	0	0	
6	3657407	5/19/2020	8:47 PM	2020	Robert Road	Tranquil Boulevard	0.17	Fatal	Single Vehicle	Dark Not Lighted	1	0	1	
7	3707447	11/18/2020	8:40 AM	2020	Robert Road	Tranquil Boulevard	0.22	No Injury	Other	Daylight	2	0	0	
8	3704848	11/14/2020	6:13 PM	2020	Robert Road	Long Mesa Drive	-200	No Injury	Rear-end	Dark Not Lighted	2	0	0	Yes
9	3630579	2/12/2020	6:39 PM	2020	Long Mesa Drive	Robert Road	0	No Injury	Angle	Dark Not Lighted	2	0	0	
10	3685238	9/21/2020	5:33 AM	2020	Robert Road	Long Mesa Drive	0	No Injury	Left Turn	Dark Not Lighted	2	0	0	
11	3806281	8/25/2021	2:35 PM	2021	Robert Road	Long Mesa Drive	-0.21	No Injury	Rear-end	Daylight	2	0	0	Yes
12	3734610	2/11/2021	4:21 PM	2021	Robert Road	Long Mesa Drive	1	No Injury	Left Turn	Daylight	2	0	0	
13	3736572	2/23/2021	8:03 PM	2021	Long Mesa Drive	Robert Road	0	Minor Injury	Angle	Dark Not Lighted	2	2	0	
14	3738987	3/2/2021	10:45 AM	2021	Robert Road	Long Mesa Drive	0	Minor Injury	Angle	Daylight	2	1	0	

### Segment 3: Long Mesa Drive to State Route 89A

Data Period: 2019 - 2021

Total Crashes: 31

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3531283	6/10/2019	2:52 PM	2019	Robert Road	Roundup Drive	0	Possible Injury	Left Turn	Daylight	3	1	0	
2	3557318	8/13/2019	3:47 PM	2019	Robert Road	Roundup Drive	0	No Injury	Angle	Daylight	2	0	0	
3	3576972	10/29/2019	7:14 AM	2019	Robert Road	Roundup Drive	0	No Injury	Angle	Daylight	2	0	0	
4	3543055	7/8/2019	5:03 PM	2019	Robert Road	Roundup Drive	600	Possible Injury	Rear-end	Daylight	2	1	0	Yes
5	3517487	5/14/2019	6:26 PM	2019	Robert Road	SR-89A	-500	No Injury	Single Vehicle	Daylight	1	0	0	
6	3484985	2/9/2019	7:52 PM	2019	SR-89	Robert Road	0	Possible Injury	Head-on	Dark Lighted	2	1	0	
7	3485118	2/3/2019	1:31 PM	2019	Robert Road	SR-89A	0	No Injury	Rear-end	Daylight	2	0	0	
8	3533004	6/23/2019	4:43 PM	2019	SR-89	Robert Road	0	Minor Injury	Angle	Daylight	2	1	0	
9	3601267	12/17/2019	2:42 PM	2019	SR-89	Robert Road	47	Possible Injury	Rear-end	Daylight	2	2	0	Yes
10	3484974	2/11/2019	10:21 AM	2019	SR-89	Fain Road	50	No Injury	Angle	Daylight	2	0	0	
11	3557321	8/8/2019	12:45 PM	2019	SR-89	Robert Road	60	No Injury	Rear-end	Daylight	2	0	0	Yes
12	3502424	3/9/2019	7:38 AM	2019	SR-89	Robert Road	75	No Injury	Single Vehicle	Daylight	1	0	0	
13	3639748	4/3/2020	9:10 AM	2020	Roundup Drive	Robert Road	1	No Injury	Rear-end	Daylight	2	0	0	Yes
14	3612335	1/12/2020	6:13 PM	2020	Robert Road	Long Mesa Drive	0.5	No Injury	Angle	Dark Not Lighted	2	0	0	
15	3716624	9/9/2020	11:44 PM	2020	Robert Road	Powers Avenue	267	No Injury	Unknown	Dark Lighted	2	0	0	Yes
16	3623238	2/2/2020	10:34 AM	2020	Robert Road	Powers Avenue	600	No Injury	Rear-end	Daylight	2	0	0	Yes
17	3651893	6/3/2020	2:42 PM	2020	Fain Road	SR-89A	0	No Injury	Angle	Daylight	2	0	0	
18	3709796	12/1/2020	1:33 PM	2020	SR-89	Robert Road	10	No Injury	Rear-end	Daylight	2	0	0	Yes
19	3842200	12/2/2021	10:08 AM	2021	Long Mesa Drive	Robert Road	27	No Injury	Other	Daylight	2	0	0	
20	3743750	3/16/2021	8:25 PM	2021	Robert Road	Long Mesa Drive	0	No Injury	Angle	Dark Not Lighted	2	0	0	
21	3802087	8/16/2021	12:20 PM	2021	Robert Road	Long Mesa Drive	0	Possible Injury	Angle	Daylight	2	1	0	
22	3815324	9/20/2021	8:55 AM	2021	Robert Road	Long Mesa Drive	0	Possible Injury	Angle	Daylight	2	2	0	
23	3830042	10/24/2021	3:16 PM	2021	Robert Road	Long Mesa Drive	0	Minor Injury	Head-on	Daylight	3	4	0	
24	3832120	10/30/2021	2:40 PM	2021	Robert Road	Long Mesa Drive	0	No Injury	Angle	Daylight	3	0	0	
25	3842195	11/30/2021	6:00 PM	2021	Robert Road	Long Mesa Drive	0	No Injury	Left Turn	Dark Not Lighted	2	0	0	
26	3793842	7/23/2021	1:21 PM	2021	Robert Road	Fain Road	-780	Serious Injury	Sideswipe	Daylight	2	4	0	Yes
27	3795761	7/15/2021	6:47 AM	2021	Robert Road	SR-89A	-87	No Injury	Rear-end	Dawn	2	0	0	Yes
28	3751723	4/1/2021	4:47 AM	2021	SR-89	Robert Road	0	Possible Injury	Head-on	Dusk	2	1	0	
29	3842199	12/2/2021	6:48 AM	2021	Robert Road	Fain Road	0	No Injury	Angle	Dawn	2	0	0	
30	3771898	5/27/2021	3:40 PM	2021	SR-89	Robert Road	25	No Injury	Rear-end	Daylight	2	0	0	
31	3776182	6/10/2021	1:18 PM	2021	SR-89	Robert Road	55	No Injury	Rear-end	Daylight	2	0	0	Yes



# SPEED LIMIT STUDY

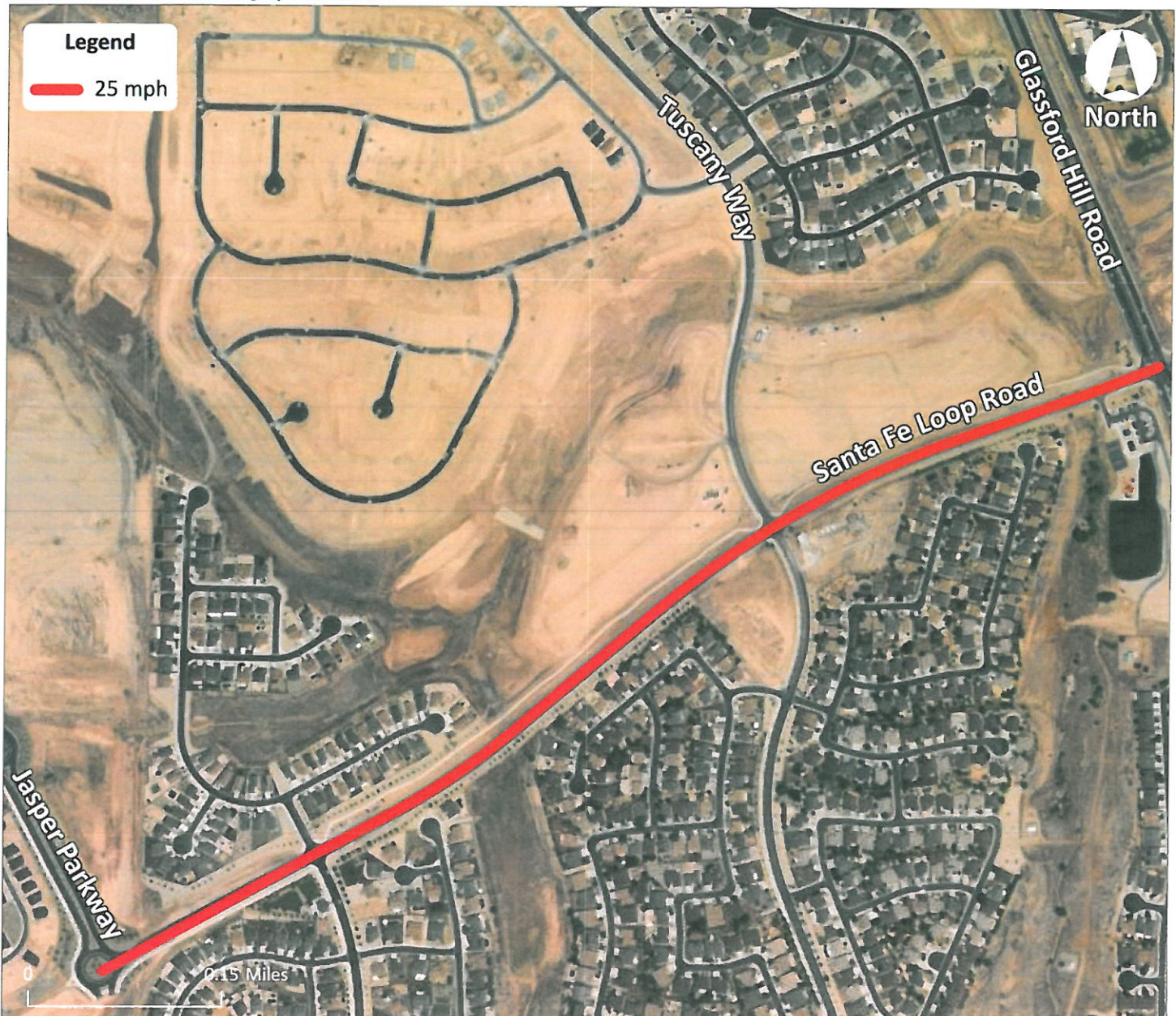
Prescott Valley, Arizona

March 2024



**Segment Studied:** Santa Fe Loop Road  
**From:** Glassford Hill Road  
**To:** Western Terminus at Jasper Parkway  
**Length:** 0.9 miles

Study Area Map - Existing Speed Limits





### Introduction:

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

### Roadway Characteristics:

- Functional Classification: major arterial
- Existing Speed Limit: 25 mph
- One lane in each direction separated by a raised median
- Pavement width varies from about 50 to 55 feet to accommodate the median and left-turn lanes
- No notable horizontal curvature
- No curb, gutter, street lighting, or bike lanes
- Sidewalk mostly on the north side of the roadway, buffer-separated from the roadway
- An uncontrolled crosswalk marked at Granville Fairway; this crosswalk is the point at which the Iron King Trail crosses Santa Fe Loop Road to remain on a paved sidewalk
- Roundabout control at Jasper Parkway

### Data Collection:

Traffic counts with speed data were recorded for a 24-hour period on Thursday, April 7, 2022, at the following location:

- Santa Fe Loop Road, about 0.22 miles east of Granville Fairway

### Speed and Traffic Volume:

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>0.22 miles east of Granville Fairway</i></b>			
Eastbound	31 mph	34 mph	3,100
Westbound	33 mph	37 mph	2,716
Both Directions	32 mph	35 mph	5,816

- The average speed is 32 mph.
- 85th-percentile speeds averaged 35 mph.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	4	0	0	4	1
2020	3	1	0	4	2
2021	8	0	0	8	2
<b>Total</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>16</b>	<b>5</b>

- 16 crashes were reported, an average of about 5.3 crashes per year.
- One of the 16 crashes was a serious injury crash and was reported as a speed-related crash.
- Of the 16 crashes, 9 occurred at the Glassford Hill Road intersection; these crashes are not generally relevant to the speed limit on Santa Fe Loop Road. Of these 9 crashes, none involved injury.
- Excluding the Glassford Hill Road crashes, the crash rate along the corridor is 122 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 17 per 100 MVM.
- The average crash rate for similar roadways is 235 per 100 MVM, and the average injury rate for similar roadways is 68 per 100 MVM.
- The crash rate along the corridor is 48% lower than the average rate on similar roadways. The injury rate along the corridor is 75% lower than the average injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), C2 – Commercial (General Sales & Services), and PL – Public Lands.
- No single-family homes front the street.
- Pickleball courts and parks are located along the roadway.
- The street has excellent access management practices, with only two intersections (other than the termini) along its 0.9-mile length.

**Speed Limit Recommendation:**

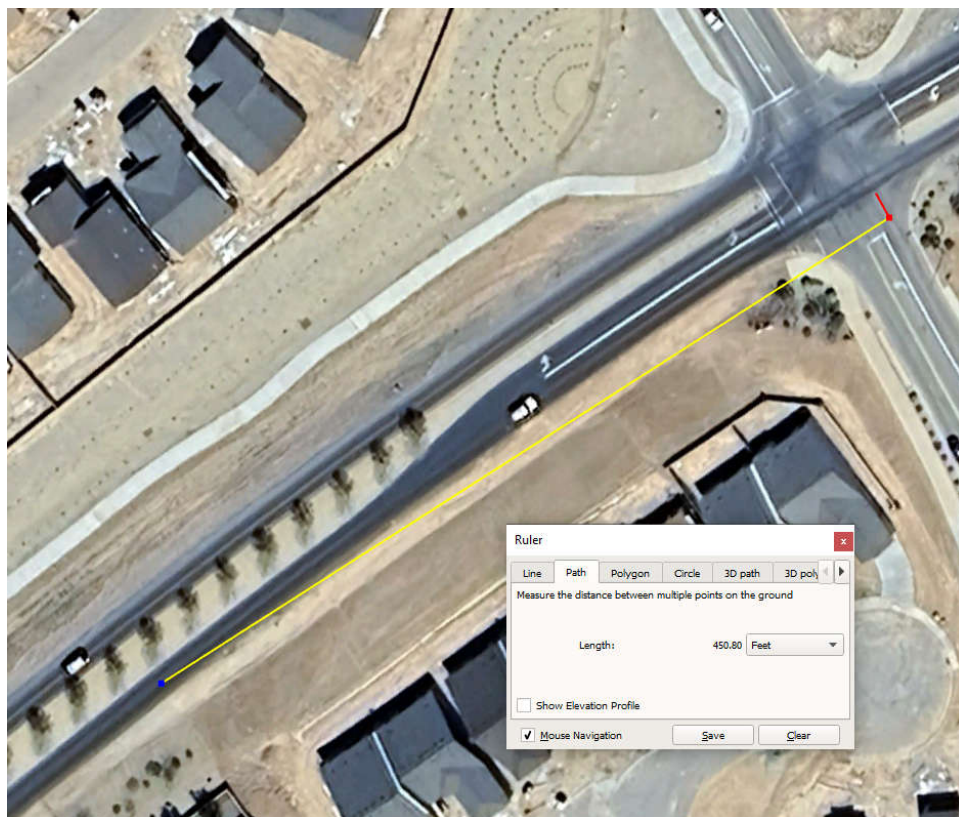
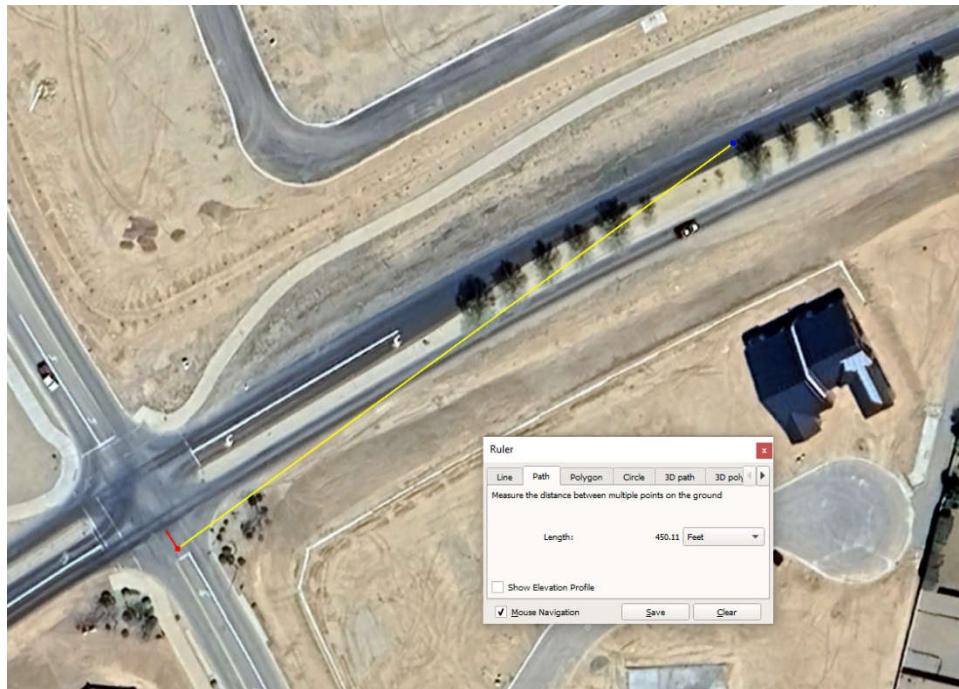
Increase the existing speed limit to 30 mph, for the following reasons:

- Drivers' existing travel speeds clearly indicate a preference for higher speeds, despite the existing 25-mph speed limit.
- The cross-section of the roadway, including the presence of a raised median and left-turn lanes at intersections, communicates to drivers that the street is capable of supporting speeds higher than the existing 25-mph limit.
- It is rare for arterial streets such as Santa Fe Loop Road to be posted with speed limits as low as 25 mph. Arterial speed limits this low are typically reserved for dense downtown areas.

- Both the crash and injury rates are considerably below the average for typical streets, indicating that a higher speed limit is reasonable.
- Pedestrians walking along the street can use the existing buffer-separated sidewalk to be situated comfortably well outside the traveled way.
- The lack of front-facing homes and driveways suggests that it is not essential to limit speeds to 25 mph as is desirable where these features exist.
- A speed limit higher than 35 mph would not be consistent with the residential nature of the roadway and would be so high as to exceed drivers' typical speed preferences.
- *A Policy on Geometric Design of Highways and Streets*, published by the American Association of State Highway and Transportation Officials (AASHTO), provides sight distance recommendations based on roadway speed. Intersection Sight Distance Case B addresses intersections with stop control on the minor road. Minor-street drivers should have enough sight distance to ensure an adequate gap in traffic before entering the street. AASHTO provides the following sight distance criteria:
  - For left turns from the minor street, a time gap of 8 seconds is recommended (7.5 seconds plus ½ second to cross the two-way left-turn lane.) For a 30-mph speed, the AASHTO intersection sight distance recommendation is 355 feet. Considering a 5-mph buffer over the recommended 30-mph speed limit, the recommendation for 35 mph is 415 feet.
  - For right turns from the minor street, a time gap of 6.5 seconds is needed. For a 30-mph speed, 290 feet of sight distance is recommended, and for 35 mph, 335 feet is recommended.
  - Where applicable, sight distance for traffic proceeding straight across the major street has a shorter time gap than for left turns, so left turns typically control.
  - Sight distance is measured from a point 14.5 feet back from the edge of the major street traveled way and with eye and object heights of 3.5 feet.

Santa Fe Loop Road has modern construction with modest horizontal and vertical curvature, well-groomed roadside vegetation, and excellent sight distance availability. To illustrate available sight distance, worst-case turning movements were evaluated approaching the major street from northbound Tuscany Way. This location was selected because it is on the inside of a slight horizontal curve, where sight distance tends to be limited by roadway geometry. Nevertheless, more than 450 feet of sight distance is available looking to the left and right, as shown below. There are no obstructions to visibility looking to the left. Looking to the right, the sight distance line passes under tree limbs in the median; these limbs are pruned high enough that visibility is sufficient below the tree canopy.

The recommended speed limit change is consistent with available sight distance along the corridor.



**Recommended Action Items:**

- The town should consider adding white edge lines along the right edge of the traveled way on both sides of Santa Fe Loop Road for its entire length. Edge lines should be positioned 11 to 12 feet from

the face of the median curb; this distance will provide a suitable travel lane even considering that motorists tend to shy away from curbs. Edge lines would help define the edge of the traveled way and are particularly useful in dark and rainy conditions. Edge lines would also define a shoulder about 4 to 5 feet wide that would offer space for cyclists to ride on the roadway rather than on the sidewalk.

The *Manual on Uniform Traffic Control Devices* (MUTCD) *requires* edge lines on rural arterials when average daily traffic exceeds 6,000 vehicles per day. The MUTCD *recommends* edge lines for rural arterials with at least 3,000 vehicles per day. Santa Fe Loop Road carries about 5,800 vehicles per day. While Santa Fe Loop Road is not in a rural area, its lack of right-side curbs and limited intersection frequency are similar to rural arterials.

# Field Data Services of Arizona

31894 Whitetail Ln.  
Temecula, CA 92592  
520.316.6745

Page 1

Site Code: Thurs 04/07/22  
Station ID: 22-1216-001  
Santa Fe Loop Rd btwn Granville Fairway  
& Tuscany Way 34.610035, -112.354822  
Latitude: 0' 0.0000 Undefined

## Eastbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
04/07/22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	1	7	3	1	0	1	0	0	0	0	0	13	31	35
03:00	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4	28	29
04:00	0	0	0	0	5	5	0	0	0	0	0	0	0	0	10	30	33
05:00	0	0	0	7	16	18	5	0	1	0	0	0	0	0	47	31	34
06:00	0	0	0	6	62	59	8	6	0	0	0	0	0	0	141	31	34
07:00	0	0	0	20	107	70	15	3	1	0	0	0	0	0	216	30	34
08:00	0	0	0	7	85	93	21	1	0	0	0	0	0	0	207	31	34
09:00	0	0	1	10	69	58	9	1	2	0	0	0	0	0	150	31	34
10:00	0	0	0	15	64	77	17	4	0	0	0	0	0	0	177	31	34
11:00	0	0	0	12	82	97	22	2	1	0	0	0	0	0	216	31	34
12 PM	1	0	0	12	72	87	20	3	0	0	0	0	0	0	195	31	34
13:00	0	0	0	2	92	114	22	2	0	0	0	0	0	0	232	31	34
14:00	0	0	0	25	129	116	30	1	0	0	0	0	0	0	301	31	34
15:00	0	0	0	28	119	85	16	2	0	0	0	0	0	0	250	30	33
16:00	0	0	0	13	127	108	26	1	0	0	0	0	0	0	275	31	34
17:00	0	0	0	11	89	99	22	3	0	0	0	0	0	0	224	31	34
18:00	0	0	0	7	66	84	30	1	0	0	0	0	0	0	188	32	35
19:00	0	0	0	11	42	34	11	0	0	0	0	0	0	0	98	30	34
20:00	0	0	0	8	39	21	9	2	0	0	0	0	0	0	79	30	34
21:00	0	0	0	5	29	13	3	2	0	0	0	0	0	0	52	30	33
22:00	0	0	0	4	7	6	3	0	1	0	0	0	0	0	21	31	36
23:00	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3	33	37
Total	1	0	1	204	1314	1248	291	34	7	0	0	0	0	0	3100		
Percent	0.0%	0.0%	0.0%	6.6%	42.4%	40.3%	9.4%	1.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak			09:00	07:00	07:00	11:00	11:00	06:00	09:00						07:00		
Vol.			1	20	107	97	22	6	2						216		
PM Peak	12:00			15:00	14:00	14:00	14:00	12:00	22:00						14:00		
Vol.	1			28	129	116	30	3	1						301		
Total	1	0	1	204	1314	1248	291	34	7	0	0	0	0	0	3100		
Percent	0.0%	0.0%	0.0%	6.6%	42.4%	40.3%	9.4%	1.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Statistics  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2562  
Percent in Pace : 82.6%  
Number of Vehicles > 25 MPH : 2894  
Percent of Vehicles > 25 MPH : 93.4%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona

31894 Whitetail Ln.  
Temecula, CA 92592  
520.316.6745

Site Code: Thurs 04/07/22  
Station ID: 22-1216-001  
Santa Fe Loop Rd btwn Granville Fairway  
& Tuscany Way 34.610035, -112.354822  
Latitude: 0' 0.0000 Undefined

## Westbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
04/07/22	0	0	0	2	2	1	0	0	0	0	0	0	0	0	5	27	31
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	0	0	2	0	0	1	0	0	0	0	0	3	38	47
03:00	0	0	0	0	2	1	1	0	0	0	0	0	0	0	4	32	37
04:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4	31	33
05:00	0	0	1	2	14	17	4	0	0	0	0	0	0	0	38	31	34
06:00	0	0	0	5	33	70	33	7	5	0	0	0	0	0	153	34	38
07:00	0	0	0	7	51	105	47	9	1	0	0	0	0	0	220	33	37
08:00	0	0	0	5	54	90	34	10	2	0	0	0	0	0	195	33	37
09:00	0	0	0	3	42	60	28	12	2	1	0	0	0	0	148	33	38
10:00	0	0	0	6	51	87	47	12	0	0	0	0	0	0	203	33	38
11:00	0	0	0	4	55	81	30	3	0	0	0	0	0	0	173	32	36
12 PM	0	0	0	5	45	88	41	4	2	0	0	0	0	0	185	33	37
13:00	0	0	0	4	41	92	34	2	0	1	0	0	0	0	174	33	36
14:00	0	0	0	10	78	91	31	7	1	0	0	0	0	0	218	32	36
15:00	0	0	0	3	53	103	49	8	1	0	0	0	0	0	217	33	37
16:00	0	0	0	3	71	81	44	14	4	0	0	0	0	0	217	33	38
17:00	0	0	0	5	80	95	43	4	1	0	1	0	0	0	229	32	36
18:00	0	0	0	4	33	57	30	6	1	0	0	0	0	0	131	33	37
19:00	0	0	1	8	35	33	3	2	0	1	0	0	0	0	83	30	34
20:00	0	0	0	8	25	22	11	1	0	1	0	0	0	0	68	31	36
21:00	0	0	0	2	9	12	4	1	0	0	0	0	0	0	28	32	36
22:00	0	0	0	0	5	8	0	0	0	0	0	0	0	0	13	31	33
23:00	0	0	0	0	0	1	3	2	0	0	0	0	0	0	6	39	42
Total	0	0	2	86	782	1199	517	104	21	4	1	0	0	0	2716		
Percent	0.0%	0.0%	0.1%	3.2%	28.8%	44.1%	19.0%	3.8%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.			05:00	07:00	11:00	07:00	07:00	09:00	06:00	09:00					07:00		
PM Peak Vol.			19:00	14:00	17:00	15:00	15:00	16:00	16:00	13:00	17:00				17:00		
Total	0	0	2	86	782	1199	517	104	21	4	1	0	0	0	2716		
Percent	0.0%	0.0%	0.1%	3.2%	28.8%	44.1%	19.0%	3.8%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 27 MPH  
50th Percentile : 32 MPH  
85th Percentile : 37 MPH  
95th Percentile : 39 MPH

Statistics  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1981  
Percent in Pace : 72.9%  
Number of Vehicles > 25 MPH : 2628  
Percent of Vehicles > 25 MPH : 96.8%  
Mean Speed(Average) : 33 MPH

# Field Data Services of Arizona

31894 Whitetail Ln.  
Temecula, CA 92592  
520.316.6745

Site Code: Thurs 04/07/22  
Station ID: 22-1216-001  
Santa Fe Loop Rd btwn Granville Fairway  
& Tuscany Way 34.610035, -112.354822  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
04/07/22	0	0	0	2	2	1	0	0	0	0	0	0	0	0	5	27	31
01:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	28	29
02:00	0	0	0	1	7	5	1	0	2	0	0	0	0	0	16	32	37
03:00	0	0	0	0	6	1	1	0	0	0	0	0	0	0	8	30	33
04:00	0	0	0	0	7	7	0	0	0	0	0	0	0	0	14	31	33
05:00	0	0	1	9	30	35	9	0	1	0	0	0	0	0	85	31	34
06:00	0	0	0	11	95	129	41	13	5	0	0	0	0	0	294	32	36
07:00	0	0	0	27	158	175	62	12	2	0	0	0	0	0	436	32	35
08:00	0	0	0	12	139	183	55	11	2	0	0	0	0	0	402	32	35
09:00	0	0	1	13	111	118	37	13	4	1	0	0	0	0	298	32	36
10:00	0	0	0	21	115	164	64	16	0	0	0	0	0	0	380	32	36
11:00	0	0	0	16	137	178	52	5	1	0	0	0	0	0	389	32	34
12 PM	1	0	0	17	117	175	61	7	2	0	0	0	0	0	380	32	36
13:00	0	0	0	6	133	206	56	4	0	1	0	0	0	0	406	32	35
14:00	0	0	0	35	207	207	61	8	1	0	0	0	0	0	519	31	34
15:00	0	0	0	31	172	188	65	10	1	0	0	0	0	0	467	31	35
16:00	0	0	0	16	198	189	70	15	4	0	0	0	0	0	492	32	36
17:00	0	0	0	16	169	194	65	7	1	0	1	0	0	0	453	32	35
18:00	0	0	0	11	99	141	60	7	1	0	0	0	0	0	319	32	36
19:00	0	0	1	19	77	67	14	2	0	1	0	0	0	0	181	30	34
20:00	0	0	0	16	64	43	20	3	0	1	0	0	0	0	147	31	35
21:00	0	0	0	7	38	25	7	3	0	0	0	0	0	0	80	31	34
22:00	0	0	0	4	12	14	3	0	1	0	0	0	0	0	34	31	34
23:00	0	0	0	0	1	2	4	2	0	0	0	0	0	0	9	37	41
Total	1	0	3	290	2096	2447	808	138	28	4	1	0	0	0	5816		
Percent	0.0%	0.0%	0.1%	5.0%	36.0%	42.1%	13.9%	2.4%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak			05:00	07:00	07:00	08:00	10:00	10:00	06:00	09:00					07:00		
Vol.			1	27	158	183	64	16	5	1					436		
PM Peak	12:00		19:00	14:00	14:00	14:00	16:00	16:00	16:00	13:00	17:00				14:00		
Vol.	1		1	35	207	207	70	15	4	1	1				519		
Total	1	0	3	290	2096	2447	808	138	28	4	1	0	0	0	5816		
Percent	0.0%	0.0%	0.1%	5.0%	36.0%	42.1%	13.9%	2.4%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 35 MPH  
95th Percentile : 39 MPH

Statistics  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 4543  
Percent in Pace : 78.1%  
Number of Vehicles > 25 MPH : 5522  
Percent of Vehicles > 25 MPH : 94.9%  
Mean Speed(Average) : 32 MPH



## Crash Summary

### Santa Fe Loop - Glassford Hill Road to Western terminus at Jasper Parkway

Data Period: 2019 - 2021

Total Crashes: 16

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3557307	8/17/2019	6:47 PM	2019	Glassford Hill Road	Santa Fe Loop Road	0	No Injury	Rear-end	Daylight	2	0	0	Yes
2	3565261	9/22/2019	11:45 AM	2019	Glassford Hill Road	Santa Fe Loop Road	20	No Injury	Sideswipe	Daylight	2	0	0	
3	3547009	8/2/2019	7:01 AM	2019	Santa Fe Loop Road	Tuscany Way	50	No Injury	Angle	Daylight	2	0	0	
4	3510570	4/27/2019	10:31 PM	2019	Tuscany Way	Santa Fe Loop Road	0	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	
5	3657841	6/24/2020	12:22 PM	2020	Glassford Hill Road	Santa Fe Loop Road	0	No Injury	Single Vehicle	Daylight	1	0	0	
6	3676384	8/28/2020	1:05 PM	2020	Santa Fe Loop Road	Glassford Hill Road	-10	No Injury	Single Vehicle	Daylight	1	0	0	Yes
7	3647700	5/5/2020	4:21 PM	2020	Santa Fe Loop Road	Tuscany Way	0	Serious Injury	Single Vehicle	Daylight	1	1	0	Yes
8	3660052	6/17/2020	9:38 AM	2020	Tuscany Way	Santa Fe Loop Road	0	No Injury	Left Turn	Daylight	2	0	0	
9	3796233	7/31/2021	11:53 AM	2021	Glassford Hill Road	Santa Fe Loop Road	-25	No Injury	Sideswipe	Daylight	2	0	0	
10	3743749	3/12/2021	2:57 PM	2021	Glassford Hill Road	Santa Fe Loop Road	-10	No Injury	Rear-end	Daylight	2	0	0	
11	3734608	2/21/2021	6:20 PM	2021	Santa Fe Loop Road	Glassford Hill Road	-10	No Injury	Left Turn	Dark Lighted	2	0	0	
12	3824299	10/11/2021	1:20 PM	2021	Glassford Hill Road	Santa Fe Loop Road	25	No Injury	Rear-end	Daylight	2	0	0	Yes
13	3825681	10/19/2021	2:54 PM	2021	Glassford Hill Road	Santa Fe Loop Road	27	No Injury	Rear-end	Daylight	2	0	0	Yes
14	3750801	4/3/2021	12:35 AM	2021	Santa Fe Loop Road	Tuscany Way	0	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	
15	3758169	4/23/2021	2:17 PM	2021	Santa Fe Loop Road	Tuscany Way	0	No Injury	Angle	Daylight	2	0	0	
16	3779037	6/15/2021	3:48 PM	2021	Santa Fe Loop Road	Tuscany Way	0	No Injury	Angle	Daylight	2	0	0	

# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



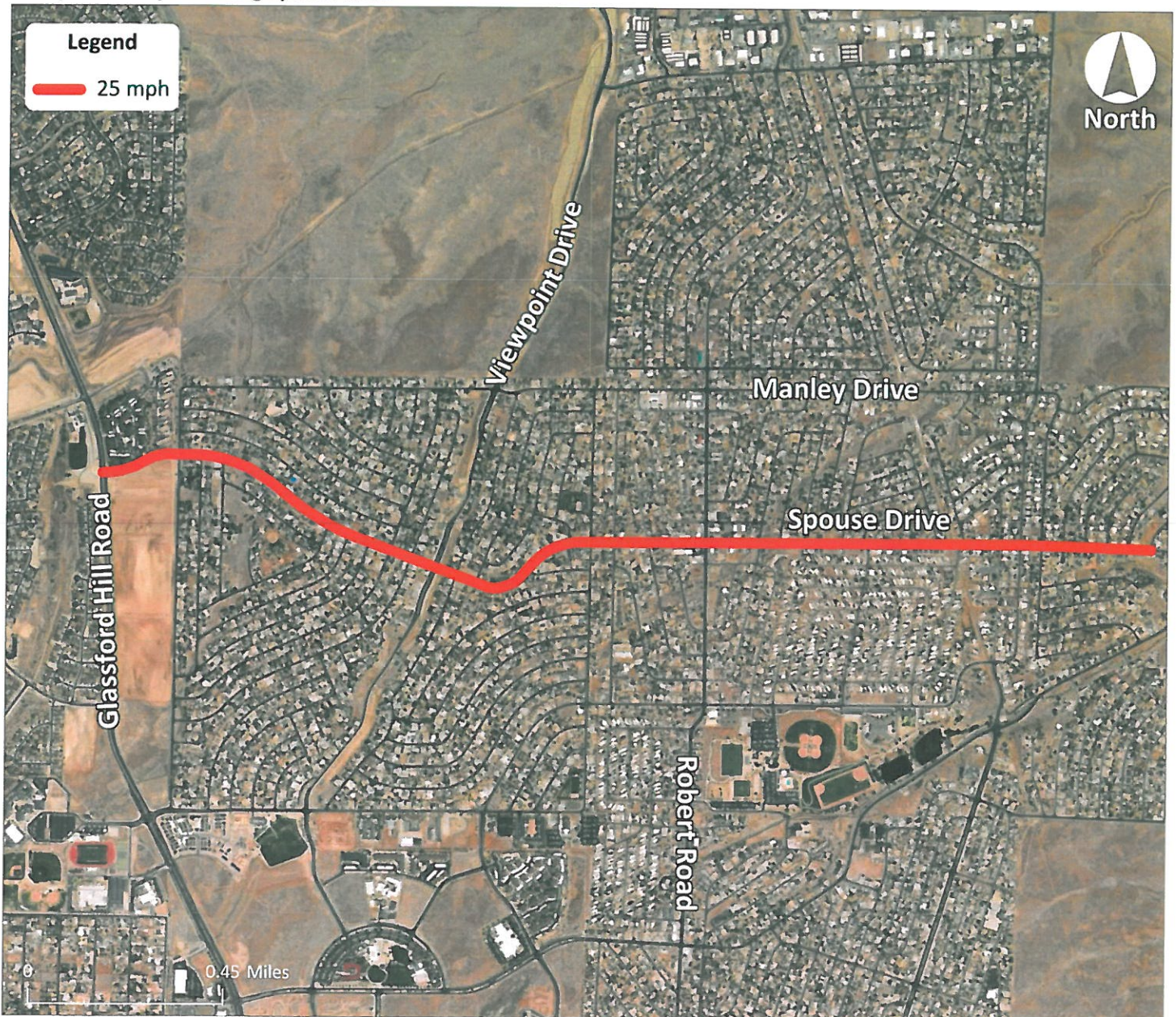
**Segment Studied:** Spouse Drive

**From:** Manzanita Circle

**To:** Glassford Hill Road

**Length:** 2.5 miles

## Study Area Map - Existing Speed Limits





**Introduction:**

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

**Roadway Characteristics:**

- Functional Classification: collector
- Existing Speed Limit: 25 mph
- One lane in each direction mostly separated by a double-yellow centerline
- Pavement width varies from about 22 to 50 feet to accommodate left-turn lanes
- Notable horizontal and vertical curvature
- Guardrail on both sides of the roadway near Glassford Hill Road
- No curb, gutter, sidewalk, or street lighting except at two intersections (Viewpoint Drive and Robert Road)
- No bike lanes
- Several uncontrolled crosswalks marked

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Thursday, November 17, 2022, and Tuesday, May 30, 2023, at the following locations:

- Site A: Spouse Drive, about 315 feet east of Hoffman Road
- Site B: Spouse Drive, about 500 feet west of Robert Road
- Site C: Spouse Drive, about 480 feet west of Sunflower Lane

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b>Site A: 315 feet east of Hoffman Road</b>			
Eastbound	29 mph	33 mph	1,270
Westbound	27 mph	30 mph	1,086
Both Directions	28 mph	32 mph	2,356
<b>Site B: 500 feet west of Robert Road</b>			
Eastbound	26 mph	29 mph	2,547
Westbound	28 mph	32 mph	1,765
Both Directions	27 mph	30 mph	4,312
<b>Site C: 480 feet west of Sunflower Lane</b>			
Eastbound	31 mph	35 mph	1,574
Westbound	30 mph	33 mph	1,656
Both Directions	31 mph	34 mph	3,230

- Average speeds ranged from 27 to 31 mph, above the existing 25-mph speed limit.
- 85th-percentile speeds averaged 30 to 34 mph.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	12	1	1	14	6
2020	6	4	0	10	1
2021	20	6	0	26	10
<b>Total</b>	<b>38</b>	<b>11</b>	<b>1</b>	<b>50</b>	<b>17</b>

- 50 crashes were reported, an average of about 16.7 crashes per year. Of these 50 crashes, 24 occurred at the intersections with Glassford Hill Road, Robert Road, and Viewpoint Drive.
- The roadway experienced 6 possible injury, 3 minor injury, 2 serious injury, and one fatal crashes.
- A fatal pedestrian crash occurred at the west leg of Spouse Drive and Robert Road intersection on February 7, 2019, at 7:25 a.m., when a pedestrian crossing Spouse Drive was struck by a westbound vehicle whose driver failed to yield.
- 2 of the 6 possible injury crashes were reported as speed-related crashes.
- The crash rate along the corridor is 488 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 107 per 100 MVM.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM. The critical crash rate for similar roadways is 315 per 100 MVM, and the critical injury rate for similar roadways is 113 per 100 MVM.
- The crash rate along the corridor is a factor of 2.1 times higher than the average rate on similar roadways. The injury rate along the corridor is 62% higher than the average injury rate on similar roadways. The corridor's crash rate is 55% higher than the critical rate, and the corridor's injury rate is nearly identical to the critical injury rate.

### **Roadside Development and Environment:**

- Zoning includes R2 – Residential (Multiple Dwelling Units), R1MH – Residential (Single Family Mobile Home), C1 – Commercial (Neighborhood Sales & Services), and C2 – Commercial (General Sales & Services).
- Single-family homes front the street for nearly its entire length.
- Retail, restaurants, and services are located sporadically along the roadway, mostly at major intersections.

### **Speed Limit Recommendation:**

Retain the existing 25-mph speed limit, for the following reasons:

- The narrow pavement width and front-facing homes clearly indicate a need for a speed limit no greater than 25 mph.
- Along the majority of the corridor, pedestrians walking along the street have no sidewalk and must walk in the travel lane with motor vehicles; this condition is not conducive for speeds higher than 25 mph.
- Crash and injury rates are both higher than average for typical roadways, an indication that the speed limit should not be increased.
- Horizontal curvature along the street is comfortable at 25 mph, according to ball-bank indicator readings. The highest ball-bank indicator reading recorded was 12° at 25 mph at the first horizontal curve east of Viewpoint Drive.

### **Recommended Action Items:**

- A lane reduction transition sign (W4-2) was observed for westbound traffic about 600 feet west of Robert Road, as shown in the image below. This sign is only intended for use when a lane ends and drivers must merge into an adjacent lane. Along Spouse Drive, no lane reduction exists in this area because there is a continuous single travel lane. It does not appear that a warning sign in this area is necessary. The town should remove the existing W4-2 sign shown below.



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-091  
Spouse Dr btwn Spouse Ct & Hoffman Rd  
34.609606, -112.313178  
Latitude: 0' 0.0000 Undefined

Eastbound																	
Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Average		85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71	Total	(Mean)	Percent
05/30/23	0	0	0	4	1	1	0	0	0	0	0	0	0	0	6	25	30
01:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	28	29
02:00	0	0	0	1	3	2	0	0	0	0	0	0	0	0	6	29	32
03:00	0	0	0	3	1	1	0	0	0	0	0	0	0	0	5	26	31
04:00	0	0	0	1	5	1	0	1	0	0	0	0	0	0	8	30	33
05:00	0	0	0	2	1	4	1	0	0	0	0	0	0	0	8	30	34
06:00	0	0	0	0	15	9	2	0	0	0	0	0	0	0	26	30	33
07:00	0	0	1	4	18	17	3	0	0	0	0	0	0	0	43	30	33
08:00	0	0	2	4	23	16	1	0	1	0	0	0	0	0	47	29	33
09:00	0	2	1	6	30	21	5	1	0	0	0	0	0	0	66	30	34
10:00	0	0	3	21	34	12	3	0	0	0	0	0	0	0	73	27	31
11:00	1	1	3	9	43	14	0	1	0	0	0	0	0	0	72	28	31
12 PM	0	0	4	9	52	18	2	0	0	0	0	0	0	0	85	28	32
13:00	0	0	3	9	34	12	2	0	0	0	0	0	0	0	60	28	32
14:00	0	0	1	15	34	20	1	0	0	0	0	0	0	0	71	28	32
15:00	0	0	1	7	51	28	5	1	0	0	0	0	0	0	93	30	33
16:00	0	0	4	21	47	37	4	2	0	0	0	0	0	0	115	29	33
17:00	0	0	0	14	72	46	2	0	0	0	0	0	0	0	134	29	33
18:00	0	3	0	10	55	24	10	2	0	0	0	0	0	0	104	29	34
19:00	0	1	2	11	47	16	2	0	0	0	0	0	0	0	79	28	31
20:00	0	0	1	16	43	10	3	0	0	0	0	0	0	0	73	28	31
21:00	0	1	1	11	26	11	3	1	0	0	0	0	0	0	54	28	33
22:00	0	0	0	5	17	6	0	0	0	1	0	0	0	0	29	29	32
23:00	0	0	0	2	5	3	1	0	0	0	0	0	0	0	11	29	33
Total	1	8	27	185	659	329	50	9	1	1	0	0	0	0	1270		
Percent	0.1%	0.6%	2.1%	14.6%	51.9%	25.9%	3.9%	0.7%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	09:00	10:00	10:00	11:00	09:00	09:00	04:00	08:00						10:00		
Vol.	1	2	3	21	43	21	5	1	1						73		
PM Peak		18:00	12:00	16:00	17:00	17:00	18:00	16:00		22:00					17:00		
Vol.		3	4	21	72	46	10	2		1					134		
Total	1	8	27	185	659	329	50	9	1	1	0	0	0	0	1270		
Percent	0.1%	0.6%	2.1%	14.6%	51.9%	25.9%	3.9%	0.7%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 988  
Percent in Pace : 77.8%  
Number of Vehicles > 25 MPH : 1049  
Percent of Vehicles > 25 MPH : 82.6%  
Mean Speed(Average) : 29 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-091  
Spouse Dr btwn Spouse Ct & Hoffman Rd  
34.609606, -112.313178  
Latitude: 0' 0.0000 Undefined

## Westbound

Start Time	0 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	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	1	4	0	0	0	0	0	0	0	0	0	5	27	29
01:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	26	28
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
03:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	33	34
04:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	18	22
05:00	0	0	0	3	3	3	0	0	0	0	0	0	0	0	9	28	32
06:00	0	0	0	15	23	8	0	0	0	0	0	0	0	0	46	27	30
07:00	0	0	2	12	33	13	3	0	0	0	0	0	0	0	63	28	32
08:00	0	0	1	13	37	19	0	0	0	0	0	0	0	0	70	28	32
09:00	0	0	0	8	26	6	1	0	0	0	0	0	0	0	41	28	30
10:00	0	0	4	26	34	15	0	0	0	1	0	0	0	0	80	27	31
11:00	0	0	2	22	31	9	1	1	0	0	0	0	0	0	66	27	30
12 PM	0	0	6	27	42	6	0	0	0	0	0	0	0	0	81	26	29
13:00	0	0	2	15	41	8	0	0	0	0	0	0	0	0	66	27	29
14:00	0	0	5	16	34	9	0	0	0	0	0	0	0	0	64	27	29
15:00	0	0	3	13	42	9	2	0	0	0	0	0	0	0	69	28	30
16:00	0	1	2	26	55	8	1	0	0	0	0	0	0	0	93	27	29
17:00	0	0	2	21	47	14	0	0	0	0	0	0	0	0	84	27	30
18:00	0	1	0	14	42	14	1	1	0	0	0	0	0	0	73	28	31
19:00	1	0	0	31	23	4	0	0	0	0	0	0	0	0	59	25	28
20:00	0	0	1	16	20	5	1	0	0	0	0	0	0	0	43	27	29
21:00	0	1	1	13	16	4	0	1	0	0	0	0	0	0	36	26	29
22:00	0	0	2	6	9	2	0	0	0	0	0	0	0	0	19	26	29
23:00	0	1	1	3	3	1	0	0	0	0	0	0	0	0	9	24	29
Total	1	5	36	303	568	159	10	3	0	1	0	0	0	0	1086		
Percent	0.1%	0.5%	3.3%	27.9%	52.3%	14.6%	0.9%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak		04:00	10:00	10:00	08:00	08:00	07:00	11:00		10:00					10:00		
Vol.		1	4	26	37	19	3	1		1					80		
PM Peak	19:00	16:00	12:00	19:00	16:00	17:00	15:00	18:00							16:00		
Vol.	1	1	6	31	55	14	2	1							93		
Total	1	5	36	303	568	159	10	3	0	1	0	0	0	0	1086		
Percent	0.1%	0.5%	3.3%	27.9%	52.3%	14.6%	0.9%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 21 MPH  
50th Percentile : 26 MPH  
85th Percentile : 30 MPH  
95th Percentile : 33 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 871  
Percent in Pace : 80.2%  
Number of Vehicles > 25 MPH : 741  
Percent of Vehicles > 25 MPH : 68.2%  
Mean Speed(Average) : 27 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-091  
Spouse Dr btwn Spouse Ct & Hoffman Rd  
34.609606, -112.313178  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	5	5	1	0	0	0	0	0	0	0	0	11	26	29
01:00	0	0	0	1	4	0	0	0	0	0	0	0	0	0	5	27	29
02:00	0	0	0	1	4	2	0	0	0	0	0	0	0	0	7	29	32
03:00	0	0	0	3	1	3	0	0	0	0	0	0	0	0	7	28	33
04:00	0	1	2	2	5	1	0	1	0	0	0	0	0	0	12	26	30
05:00	0	0	0	5	4	7	1	0	0	0	0	0	0	0	17	29	33
06:00	0	0	0	15	38	17	2	0	0	0	0	0	0	0	72	28	32
07:00	0	0	3	16	51	30	6	0	0	0	0	0	0	0	106	29	33
08:00	0	0	3	17	60	35	1	0	1	0	0	0	0	0	117	29	32
09:00	0	2	1	14	56	27	6	1	0	0	0	0	0	0	107	29	33
10:00	0	0	7	47	68	27	3	0	0	1	0	0	0	0	153	27	31
11:00	1	1	5	31	74	23	1	2	0	0	0	0	0	0	138	27	31
12 PM	0	0	10	36	94	24	2	0	0	0	0	0	0	0	166	27	30
13:00	0	0	5	24	75	20	2	0	0	0	0	0	0	0	126	28	30
14:00	0	0	6	31	68	29	1	0	0	0	0	0	0	0	135	28	31
15:00	0	0	4	20	93	37	7	1	0	0	0	0	0	0	162	29	32
16:00	0	1	6	47	102	45	5	2	0	0	0	0	0	0	208	28	32
17:00	0	0	2	35	119	60	2	0	0	0	0	0	0	0	218	29	32
18:00	0	4	0	24	97	38	11	3	0	0	0	0	0	0	177	29	33
19:00	1	1	2	42	70	20	2	0	0	0	0	0	0	0	138	27	30
20:00	0	0	2	32	63	15	4	0	0	0	0	0	0	0	116	27	30
21:00	0	2	2	24	42	15	3	2	0	0	0	0	0	0	90	28	32
22:00	0	0	2	11	26	8	0	0	0	1	0	0	0	0	48	28	31
23:00	0	1	1	5	8	4	1	0	0	0	0	0	0	0	20	27	32
Total	2	13	63	488	1227	488	60	12	1	2	0	0	0	0	2356		
Percent	0.1%	0.6%	2.7%	20.7%	52.1%	20.7%	2.5%	0.5%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	09:00	10:00	10:00	11:00	08:00	07:00	11:00	08:00	10:00					10:00		
Vol.	1	2	7	47	74	35	6	2	1	1					153		
PM Peak	19:00	18:00	12:00	16:00	17:00	17:00	18:00	18:00		22:00					17:00		
Vol.	1	4	10	47	119	60	11	3		1					218		
Total	2	13	63	488	1227	488	60	12	1	2	0	0	0	0	2356		
Percent	0.1%	0.6%	2.7%	20.7%	52.1%	20.7%	2.5%	0.5%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 22 MPH  
50th Percentile : 27 MPH  
85th Percentile : 32 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1715  
Percent in Pace : 72.8%  
Number of Vehicles > 25 MPH : 1790  
Percent of Vehicles > 25 MPH : 76.0%  
Mean Speed(Average) : 28 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-042  
Spouse Dr west of Robert Rd  
34.609553, -112.322368  
Latitude: 0' 0.0000 Undefined

## Eastbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	3	3	0	0	0	0	0	0	0	0	0	6	26	28
01:00	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4	27	29
02:00	0	0	1	1	2	2	0	0	0	0	0	0	0	0	6	27	32
03:00	0	0	0	3	2	1	0	0	0	0	0	0	0	0	6	26	30
04:00	0	0	0	4	4	2	0	0	0	0	0	0	0	0	10	27	31
05:00	0	0	0	6	14	7	3	0	0	0	0	0	0	0	30	29	33
06:00	0	0	0	24	27	11	2	0	0	0	0	0	0	0	64	27	31
07:00	0	0	1	<b>53</b>	<b>91</b>	<b>21</b>	3	0	0	0	0	0	0	0	<b>169</b>	27	29
08:00	0	1	8	28	64	12	2	1	0	0	0	0	0	0	116	27	29
09:00	0	0	7	36	72	9	0	0	0	0	0	0	0	0	124	26	29
10:00	0	<b>3</b>	8	51	63	12	3	0	0	0	0	0	0	0	140	26	29
11:00	0	3	<b>11</b>	30	83	15	1	0	0	0	0	0	0	0	143	26	29
12 PM	0	1	9	45	66	15	1	<b>1</b>	0	0	0	0	0	0	138	26	29
13:00	0	4	6	36	69	<b>24</b>	<b>4</b>	0	0	0	0	0	0	0	143	27	31
14:00	0	9	18	70	94	17	2	0	<b>1</b>	0	0	0	0	0	211	25	29
15:00	0	4	16	80	111	18	0	0	0	0	0	0	0	0	229	26	29
16:00	0	9	20	89	<b>119</b>	18	0	0	0	0	0	0	0	0	<b>255</b>	25	29
17:00	0	<b>10</b>	<b>27</b>	<b>124</b>	74	18	1	0	0	0	0	0	0	0	254	24	28
18:00	0	7	14	69	76	10	2	1	0	0	0	0	0	0	179	25	29
19:00	0	5	13	36	54	10	1	0	0	0	0	0	0	0	119	25	29
20:00	0	3	2	27	41	10	1	0	0	0	0	0	0	0	84	26	29
21:00	0	0	0	20	29	8	1	0	0	0	0	0	0	0	58	27	30
22:00	0	0	1	15	16	8	1	0	0	0	0	0	0	0	41	27	31
23:00	0	0	1	6	6	4	1	0	0	0	0	0	0	0	18	27	32
Total	0	59	163	857	1183	252	29	3	1	0	0	0	0	0	2547		
Percent	0.0%	2.3%	6.4%	33.6%	46.4%	9.9%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		10:00	11:00	07:00	07:00	07:00	05:00	08:00							07:00		
Vol.		3	11	53	91	21	3	1							169		
PM Peak		17:00	17:00	17:00	16:00	13:00	13:00	12:00	14:00						16:00		
Vol.		10	27	124	119	24	4	1	1						255		
Total	0	59	163	857	1183	252	29	3	1	0	0	0	0	0	2547		
Percent	0.0%	2.3%	6.4%	33.6%	46.4%	9.9%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 20 MPH  
50th Percentile : 25 MPH  
85th Percentile : 29 MPH  
95th Percentile : 33 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 2040  
Percent in Pace : 80.1%  
Number of Vehicles > 25 MPH : 1468  
Percent of Vehicles > 25 MPH : 57.6%  
Mean Speed(Average) : 26 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-042  
Spouse Dr west of Robert Rd  
34.609553, -112.322368  
Latitude: 0' 0.0000 Undefined

## Westbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	23	28
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4	27	29
03:00	0	0	0	0	4	1	0	0	0	0	0	0	0	0	5	29	31
04:00	0	0	0	1	6	1	0	0	0	0	0	0	0	0	8	28	29
05:00	0	0	0	1	4	2	0	0	0	0	0	0	0	0	7	29	32
06:00	1	0	2	8	10	3	0	0	0	0	0	0	0	0	24	25	29
07:00	0	1	0	9	20	2	1	0	0	0	0	0	0	0	33	27	29
08:00	0	0	1	4	18	14	2	0	0	0	0	0	0	0	39	30	33
09:00	0	0	1	15	28	17	4	0	0	0	0	0	0	0	65	29	33
10:00	0	0	0	22	34	19	4	0	0	0	0	0	0	0	79	28	32
11:00	0	0	4	22	60	26	6	0	0	0	0	0	0	0	118	28	32
12 PM	0	0	5	22	74	45	3	0	0	0	0	0	0	0	149	29	32
13:00	0	0	7	35	73	36	2	1	0	0	0	0	0	0	154	28	32
14:00	0	0	2	36	64	36	5	0	1	0	0	0	0	0	144	28	32
15:00	0	0	0	36	110	44	3	0	1	0	0	0	0	0	194	28	32
16:00	1	1	8	40	87	42	5	2	0	0	0	1	0	0	187	28	32
17:00	3	0	3	44	66	30	1	1	0	1	0	0	0	0	149	27	31
18:00	0	0	0	25	40	16	1	0	0	0	0	0	0	0	82	28	31
19:00	0	1	0	18	29	14	0	1	0	0	0	0	0	0	63	28	31
20:00	0	0	1	18	31	13	1	0	0	0	0	0	0	0	64	28	31
21:00	0	0	0	20	28	15	0	0	0	0	0	0	0	0	63	28	31
22:00	0	0	1	28	32	16	0	0	0	0	0	0	0	0	77	27	31
23:00	0	0	0	15	26	13	0	0	0	0	0	0	0	0	54	28	31
Total	5	3	36	420	849	405	38	5	2	1	0	1	0	0	1765		
Percent	0.3%	0.2%	2.0%	23.8%	48.1%	22.9%	2.2%	0.3%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%			
AM Peak	06:00	07:00	11:00	10:00	11:00	11:00	11:00								11:00		
Vol.	1	1	4	22	60	26	6								118		
PM Peak	17:00	16:00	16:00	17:00	15:00	12:00	14:00	16:00	14:00	17:00		16:00			15:00		
Vol.	3	1	8	44	110	45	5	2	1	1		1			194		
Total	5	3	36	420	849	405	38	5	2	1	0	1	0	0	1765		
Percent	0.3%	0.2%	2.0%	23.8%	48.1%	22.9%	2.2%	0.3%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 22 MPH  
50th Percentile : 27 MPH  
85th Percentile : 32 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 1269  
Percent in Pace : 71.9%  
Number of Vehicles > 25 MPH : 1301  
Percent of Vehicles > 25 MPH : 73.7%  
Mean Speed(Average) : 28 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-042  
Spouse Dr west of Robert Rd  
34.609553, -112.322368  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
11/17/22	0	0	1	3	4	0	0	0	0	0	0	0	0	0	8	25	28
01:00	0	0	0	1	4	0	0	0	0	0	0	0	0	0	5	27	29
02:00	0	0	1	2	5	2	0	0	0	0	0	0	0	0	10	27	31
03:00	0	0	0	3	6	2	0	0	0	0	0	0	0	0	11	28	30
04:00	0	0	0	5	10	3	0	0	0	0	0	0	0	0	18	27	30
05:00	0	0	0	7	18	9	3	0	0	0	0	0	0	0	37	29	33
06:00	1	0	2	32	37	14	2	0	0	0	0	0	0	0	88	27	31
07:00	0	1	1	62	111	23	4	0	0	0	0	0	0	0	202	27	29
08:00	0	1	9	32	82	26	4	1	0	0	0	0	0	0	155	27	31
09:00	0	0	8	51	100	26	4	0	0	0	0	0	0	0	189	27	30
10:00	0	3	8	73	97	31	7	0	0	0	0	0	0	0	219	27	30
11:00	0	3	15	52	143	41	7	0	0	0	0	0	0	0	261	27	31
12 PM	0	1	14	67	140	60	4	1	0	0	0	0	0	0	287	28	31
13:00	0	4	13	71	142	60	6	1	0	0	0	0	0	0	297	27	31
14:00	0	9	20	106	158	53	7	0	2	0	0	0	0	0	355	27	30
15:00	0	4	16	116	221	62	3	0	1	0	0	0	0	0	423	27	30
16:00	1	10	28	129	206	60	5	2	0	0	0	1	0	0	442	26	30
17:00	3	10	30	168	140	48	2	1	0	1	0	0	0	0	403	25	29
18:00	0	7	14	94	116	26	3	1	0	0	0	0	0	0	261	26	29
19:00	0	6	13	54	83	24	1	1	0	0	0	0	0	0	182	26	29
20:00	0	3	3	45	72	23	2	0	0	0	0	0	0	0	148	27	30
21:00	0	0	0	40	57	23	1	0	0	0	0	0	0	0	121	27	31
22:00	0	0	2	43	48	24	1	0	0	0	0	0	0	0	118	27	31
23:00	0	0	1	21	32	17	1	0	0	0	0	0	0	0	72	28	32
Total	5	62	199	1277	2032	657	67	8	3	1	0	1	0	0	4312		
Percent	0.1%	1.4%	4.6%	29.6%	47.1%	15.2%	1.6%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	06:00	10:00	11:00	10:00	11:00	11:00	10:00	08:00							11:00		
Vol.	1	3	15	73	143	41	7	1							261		
PM Peak	17:00	16:00	17:00	17:00	15:00	15:00	14:00	16:00	14:00	17:00		16:00			16:00		
Vol.	3	10	30	168	221	62	7	2	2	1		1			442		
Total	5	62	199	1277	2032	657	67	8	3	1	0	1	0	0	4312		
Percent	0.1%	1.4%	4.6%	29.6%	47.1%	15.2%	1.6%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 21 MPH  
50th Percentile : 26 MPH  
85th Percentile : 30 MPH  
95th Percentile : 33 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 3309  
Percent in Pace : 76.7%  
Number of Vehicles > 25 MPH : 2769  
Percent of Vehicles > 25 MPH : 64.2%  
Mean Speed(Average) : 27 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 11/17/22  
Station ID: 22-1620-043  
Spouse Dr west of Glassford Hill Rd  
34.610794, -112.337431  
Latitude: 0' 0.0000 Undefined

## Eastbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	0	0	3	0	1	0	0	0	0	0	0	0	4	30	37
01:00	0	0	0	1	0	1	1	0	1	0	0	0	0	0	4	35	47
02:00	0	0	0	1	2	1	1	0	0	0	0	0	0	0	5	30	36
03:00	0	0	0	1	1	0	1	0	0	0	0	0	0	0	3	30	37
04:00	0	0	1	1	3	0	0	0	0	0	0	0	0	0	5	25	28
05:00	0	0	0	0	5	6	3	0	0	0	0	0	0	0	14	32	36
06:00	0	0	0	6	12	8	7	1	0	0	0	0	0	0	34	31	37
07:00	0	0	0	4	21	37	14	4	0	0	0	0	0	0	80	33	37
08:00	0	0	0	4	26	38	13	3	0	0	0	0	0	0	84	32	36
09:00	0	0	0	1	19	36	8	0	0	0	0	0	0	0	64	32	34
10:00	1	0	0	4	27	30	19	1	0	0	0	0	0	0	82	32	37
11:00	0	0	1	3	27	42	21	2	0	0	0	0	0	0	96	32	37
12 PM	0	0	1	5	31	41	10	1	0	0	0	0	0	0	89	31	34
13:00	0	0	0	2	19	53	13	2	0	0	0	0	0	0	89	33	35
14:00	0	0	0	8	37	59	20	3	0	0	0	0	0	0	127	32	35
15:00	0	1	0	13	42	67	15	4	0	0	0	0	0	0	142	31	34
16:00	0	0	0	8	60	70	32	1	1	0	0	0	0	0	172	32	36
17:00	0	0	0	14	84	57	20	3	1	0	0	0	0	0	179	31	34
18:00	1	0	0	11	48	37	11	1	0	0	0	0	0	0	109	30	34
19:00	1	0	0	3	28	28	7	0	1	0	0	0	0	0	68	31	34
20:00	0	0	1	2	23	13	4	0	2	0	0	0	0	0	45	31	34
21:00	0	0	0	3	13	21	4	0	0	0	0	0	0	0	41	31	34
22:00	0	0	0	4	13	7	2	0	0	0	0	0	0	0	26	29	33
23:00	0	0	0	1	2	7	2	0	0	0	0	0	0	0	12	32	35
Total	3	1	4	100	546	659	229	26	6	0	0	0	0	0	1574		
Percent	0.2%	0.1%	0.3%	6.4%	34.7%	41.9%	14.5%	1.7%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00		04:00	06:00	10:00	11:00	11:00	07:00	01:00						11:00		
Vol.	1		1	6	27	42	21	4	1						96		
PM Peak	18:00	15:00	12:00	17:00	17:00	16:00	16:00	15:00	20:00						17:00		
Vol.	1	1	1	14	84	70	32	4	2						179		
Total	3	1	4	100	546	659	229	26	6	0	0	0	0	0	1574		
Percent	0.2%	0.1%	0.3%	6.4%	34.7%	41.9%	14.5%	1.7%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 35 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1205  
Percent in Pace : 76.6%  
Number of Vehicles > 25 MPH : 1466  
Percent of Vehicles > 25 MPH : 93.1%  
Mean Speed(Average) : 31 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-043  
Spouse Dr west of Glassford Hill Rd  
34.610794, -112.337431  
Latitude: 0' 0.0000 Undefined

## Westbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	1	0	1	1	0	0	0	0	0	0	0	0	3	26	32
01:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	28	29
02:00	0	0	0	1	1	2	2	0	0	0	0	0	0	0	6	32	37
03:00	0	0	0	0	3	2	1	0	0	0	0	0	0	0	6	31	35
04:00	0	0	0	1	9	2	1	1	0	0	0	0	0	0	14	30	34
05:00	0	0	0	1	17	17	10	1	0	0	0	0	0	0	46	32	37
06:00	0	0	0	7	63	48	9	0	0	0	0	0	0	0	127	30	33
07:00	0	0	0	19	114	59	8	0	0	0	0	0	0	0	200	29	33
08:00	0	0	1	15	66	55	7	1	0	0	0	0	0	0	145	30	33
09:00	0	0	0	10	50	30	3	1	0	0	0	0	0	0	94	30	33
10:00	0	0	1	14	36	20	5	0	0	0	0	0	0	0	76	29	33
11:00	0	0	0	8	49	32	6	0	0	0	0	0	0	0	95	30	33
12 PM	0	1	0	16	43	28	5	1	0	0	0	1	0	0	95	30	33
13:00	0	0	0	2	61	34	3	0	0	0	0	0	0	0	100	30	33
14:00	0	1	0	13	46	44	6	1	0	0	0	0	0	0	111	30	33
15:00	0	2	2	10	51	33	7	0	1	0	0	0	0	0	106	29	33
16:00	0	0	0	6	49	47	6	0	0	0	0	0	0	0	108	30	33
17:00	0	1	1	18	54	21	4	2	0	0	0	0	0	0	101	29	32
18:00	0	0	0	7	47	33	5	2	0	0	0	0	0	0	94	30	33
19:00	0	0	0	6	21	14	3	0	0	0	0	0	0	0	44	30	33
20:00	0	0	1	1	12	16	5	0	0	0	0	0	0	0	35	31	34
21:00	0	0	0	0	20	3	4	0	0	0	0	0	0	0	27	30	34
22:00	0	0	0	2	10	3	1	0	0	0	0	0	0	0	16	29	32
23:00	0	0	0	2	2	1	0	0	0	0	0	0	0	0	5	27	31
Total	0	5	7	159	827	545	101	10	1	0	0	1	0	0	1656		
Percent	0.0%	0.3%	0.4%	9.6%	49.9%	32.9%	6.1%	0.6%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%			
AM Peak			00:00	07:00	07:00	07:00	05:00	04:00								07:00	
Vol.			1	19	114	59	10	1								200	
PM Peak		15:00	15:00	17:00	13:00	16:00	15:00	17:00	15:00			12:00				14:00	
Vol.		2	2	18	61	47	7	2	1			1				111	
Total	0	5	7	159	827	545	101	10	1	0	0	1	0	0	1656		
Percent	0.0%	0.3%	0.4%	9.6%	49.9%	32.9%	6.1%	0.6%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 36 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1372  
Percent in Pace : 82.9%  
Number of Vehicles > 25 MPH : 1485  
Percent of Vehicles > 25 MPH : 89.7%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 11/17/22  
Station ID: 22-1620-043  
Spouse Dr west of Glassford Hill Rd  
34.610794, -112.337431  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/17/22	0	0	1	0	4	1	1	0	0	0	0	0	0	0	7	29	34
01:00	0	0	0	1	2	1	1	0	1	0	0	0	0	0	6	33	45
02:00	0	0	0	2	3	3	3	0	0	0	0	0	0	0	11	31	37
03:00	0	0	0	1	4	2	2	0	0	0	0	0	0	0	9	31	36
04:00	0	0	1	2	12	2	1	1	0	0	0	0	0	0	19	29	32
05:00	0	0	0	1	22	23	13	1	0	0	0	0	0	0	60	32	36
06:00	0	0	0	13	75	56	16	1	0	0	0	0	0	0	161	30	34
07:00	0	0	0	23	135	96	22	4	0	0	0	0	0	0	280	30	34
08:00	0	0	1	19	92	93	20	4	0	0	0	0	0	0	229	31	34
09:00	0	0	0	11	69	66	11	1	0	0	0	0	0	0	158	31	34
10:00	1	0	1	18	63	50	24	1	0	0	0	0	0	0	158	30	35
11:00	0	0	1	11	76	74	27	2	0	0	0	0	0	0	191	31	35
12 PM	0	1	1	21	74	69	15	2	0	0	0	1	0	0	184	30	34
13:00	0	0	0	4	80	87	16	2	0	0	0	0	0	0	189	31	34
14:00	0	1	0	21	83	103	26	4	0	0	0	0	0	0	238	31	34
15:00	0	3	2	23	93	100	22	4	1	0	0	0	0	0	248	31	34
16:00	0	0	0	14	109	117	38	1	1	0	0	0	0	0	280	31	34
17:00	0	1	1	32	138	78	24	5	1	0	0	0	0	0	280	30	34
18:00	1	0	0	18	95	70	16	3	0	0	0	0	0	0	203	30	34
19:00	1	0	0	9	49	42	10	0	1	0	0	0	0	0	112	30	34
20:00	0	0	2	3	35	29	9	0	2	0	0	0	0	0	80	31	34
21:00	0	0	0	3	33	24	8	0	0	0	0	0	0	0	68	31	34
22:00	0	0	0	6	23	10	3	0	0	0	0	0	0	0	42	29	33
23:00	0	0	0	3	4	8	2	0	0	0	0	0	0	0	17	31	34
Total	3	6	11	259	1373	1204	330	36	7	0	0	1	0	0	3230		
Percent	0.1%	0.2%	0.3%	8.0%	42.5%	37.3%	10.2%	1.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00		00:00	07:00	07:00	07:00	11:00	07:00	01:00						07:00		
Vol.	1		1	23	135	96	27	4	1						280		
PM Peak	18:00	15:00	15:00	17:00	17:00	16:00	16:00	17:00	20:00			12:00			16:00		
Vol.	1	3	2	32	138	117	38	5	2			1			280		
Total	3	6	11	259	1373	1204	330	36	7	0	0	1	0	0	3230		
Percent	0.1%	0.2%	0.3%	8.0%	42.5%	37.3%	10.2%	1.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2577  
Percent in Pace : 79.8%  
Number of Vehicles > 25 MPH : 2951  
Percent of Vehicles > 25 MPH : 91.4%  
Mean Speed(Average) : 31 MPH



## Crash Summary

### Spouse Drive - Manzanita Circle to Glassford Hill Road

Data Period: 2019 - 2021

Total Crashes: 50

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3542972	7/2/2019	3:23 PM	2019	Spouse Drive	Ranger Road	0	No Injury	Angle	Daylight	2	0	0	
2	3548021	8/20/2019	10:37 AM	2019	Ranger Road	Spouse Drive	0	No Injury	Angle	Daylight	2	0	0	
3	3565250	9/1/2019	8:15 PM	2019	Ranger Road	Spouse Drive	0	No Injury	Angle	Dark Not Lighted	2	0	0	
4	3474384	1/17/2019	8:37 AM	2019	Spouse Drive	Sauter Drive	0	No Injury	Angle	Daylight	2	0	0	
5	3543038	7/19/2019	11:20 AM	2019	Spouse Drive	Robert Road	10	No Injury	Rear-end	Daylight	2	0	0	Yes
6	3531273	6/5/2019	5:13 PM	2019	Robert Road	Spouse Drive	0	No Injury	Rear-end	Daylight	2	0	0	Yes
7	3517470	4/25/2019	3:15 PM	2019	Spouse Drive	Robert Road	-30	No Injury	Rear-end	Daylight	2	0	0	Yes
8	3507075	2/7/2019	7:25 AM	2019	Spouse Drive	Robert Road	-200	Fatal	Other	Daylight	2	0	1	
9	3502467	3/4/2019	6:57 PM	2019	Spouse Drive	Miner Road	0	No Injury	Angle	Dark Lighted	2	0	0	
10	3502615	3/21/2019	9:11 AM	2019	Spouse Drive	Tonto Way	0	No Injury	Rear-end	Daylight	2	0	0	Yes
11	3595780	12/4/2019	10:50 AM	2019	Spouse Drive	Tonto Way	0	No Injury	Left Turn	Daylight	2	0	0	
12	3543035	7/20/2019	7:47 AM	2019	Spouse Drive	Lone Cactus Drive	0	Possible Injury	Angle	Daylight	2	1	0	
13	3547001	8/5/2019	2:37 PM	2019	Lone Cactus Drive	Spouse Drive	0	No Injury	Single Vehicle	Daylight	1	0	0	Yes
14	3484455	1/23/2019	11:09 AM	2019	Glassford Hill Road	Spouse Drive	-20	No Injury	Rear-end	Daylight	2	0	0	Yes
15	3645630	5/1/2020	5:59 PM	2020	Ranger Road	Spouse Drive	0	Possible Injury	Angle	Daylight	2	2	0	
16	3661083	7/4/2020	4:20 PM	2020	Spouse Drive	Wagon Way	0	No Injury	Single Vehicle	Daylight	1	0	0	
17	3715040	12/12/2020	1:27 PM	2020	Robert Road	Spouse Drive	-25	No Injury	Rear-end	Daylight	2	0	0	Yes
18	3615014	1/27/2020	4:30 PM	2020	Robert Road	Spouse Drive	0	No Injury	Sideswipe	Daylight	3	0	0	
19	3623233	2/12/2020	3:28 PM	2020	Robert Road	Spouse Drive	0	No Injury	Left Turn	Daylight	2	0	0	
20	3685235	9/19/2020	3:54 PM	2020	Spouse Drive	Robert Road	0	Minor Injury	Angle	Daylight	2	2	0	
21	3608545	1/11/2020	4:57 PM	2020	Spouse Drive	Rock Lane	200	No Injury	Head-on	Daylight	2	0	0	
22	3610171	1/16/2020	7:15 AM	2020	Spouse Drive	Glassford Hill Road	0	No Injury	Rear-end	Daylight	3	0	0	
23	3615611	1/31/2020	6:59 AM	2020	Glassford Hill Road	Spouse Drive	0	Possible Injury	Left Turn	Dark Lighted	2	1	0	
24	3651149	6/1/2020	1:56 PM	2020	Glassford Hill Road	Spouse Drive	0	Possible Injury	Sideswipe	Daylight	2	1	0	
25	3837649	11/22/2021	11:25 PM	2021	Spouse Drive	Spouse Court	150	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	Yes
26	3796237	7/26/2021	7:24 PM	2021	Spouse Drive	Ranger Road	0	No Injury	Angle	Daylight	2	0	0	
27	3771899	5/28/2021	6:17 AM	2021	Spouse Drive	Ocotillo Drive	0	No Injury	Angle	Daylight	2	0	0	
28	3795762	7/13/2021	4:39 PM	2021	Robert Road	Spouse Drive	0	Minor Injury	Single Vehicle	Daylight	1	1	0	
29	3782416	6/13/2021	8:00 PM	2021	Spouse Drive	Robert Road	0	No Injury	Left Turn	Dawn	2	0	0	Yes
30	3844153	12/11/2021	8:14 AM	2021	Robert Road	Spouse Drive	0	No Injury	Angle	Daylight	3	0	0	
31	3724342	1/12/2021	7:19 PM	2021	Spouse Drive	Miner Road	114	No Injury	Sideswipe	Dark Not Lighted	2	0	0	
32	3815320	9/19/2021	8:30 PM	2021	Spouse Drive	Miner Road	0	No Injury	Angle	Dusk	2	0	0	
33	3830048	11/1/2021	7:45 AM	2021	Spouse Drive	Tonto Way	0	No Injury	Angle	Daylight	2	0	0	
34	3835575	11/6/2021	1:20 PM	2021	Spouse Drive	Tonto Way	0	No Injury	Angle	Daylight	2	0	0	
35	3796238	7/27/2021	1:09 PM	2021	Spouse Drive	Spring Drive	427	No Injury	Single Vehicle	Daylight	1	0	0	Yes
36	3737895	2/11/2021	7:49 AM	2021	Spouse Drive	Verde Vista Drive	0	No Injury	Rear-end	Dawn	2	0	0	Yes
37	3744045	3/12/2021	5:18 PM	2021	Viewpoint Drive	Spouse Drive	0	Possible Injury	Angle	Daylight	2	2	0	Yes
38	3752996	3/25/2021	8:47 AM	2021	Spouse Drive	Viewpoint Drive	0	No Injury	Angle	Daylight	2	0	0	
39	3796236	7/23/2021	4:30 PM	2021	Spouse Drive	Viewpoint Drive	0	No Injury	Angle	Dusk	2	0	0	
40	3846150	12/16/2021	6:51 PM	2021	Viewpoint Drive	Spouse Drive	0	No Injury	Left Turn	Dark Lighted	2	0	0	

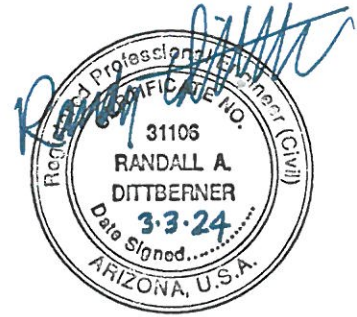
No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
41	3802085	8/17/2021	12:05 PM	2021	Spouse Drive	Lobo Way	0	No Injury	Single Vehicle	Daylight	1	0	0	Yes
42	3762854	5/3/2021	12:49 PM	2021	Spouse Drive	Stage Way Lane	87	No Injury	Angle	Daylight	2	0	0	
43	3770691	5/18/2021	6:34 PM	2021	Lone Cactus Drive	Spouse Drive	10	Serious Injury	Angle	Daylight	2	2	0	
44	3773868	6/1/2021	3:15 PM	2021	Spouse Drive	Lone Cactus Drive	-527	Possible Injury	Rear-end	Daylight	2	1	0	Yes
45	3847032	12/7/2021	10:16 AM	2021	Spouse Drive	Glassford Hill Road	15	No Injury	Rear-end	Daylight	2	0	0	
46	3837652	11/22/2021	12:02 PM	2021	Glassford Hill Road	Spouse Drive	20	No Injury	Other	Daylight	2	0	0	Yes
47	3755341	4/13/2021	9:21 PM	2021	Glassford Hill Road	Spouse Drive	5	No Injury	Rear-end	Dark Lighted	2	0	0	Yes
48	3773103	5/27/2021	5:07 PM	2021	Glassford Hill Road	Spouse Drive	0	No Injury	Rear-end	Daylight	2	0	0	Yes
49	3773448	6/1/2021	2:11 PM	2021	Glassford Hill Road	Spouse Drive	0	Serious Injury	Left Turn	Daylight	2	1	0	
50	3777793	6/6/2021	8:51 PM	2021	Glassford Hill Road	Spouse Drive	0	Minor Injury	Left Turn	Dark Lighted	2	1	0	



# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



**Segment Studied:** Stoneridge Drive

**From:** Old Black Canyon Highway

**To:** State Route 69

**Length:** 1.7 miles

## Study Area Map - Existing Speed Limits



**Introduction:**

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

**Roadway Characteristics:**

- Functional Classification: minor arterial
- Existing Speed Limit: 35 mph
- One lane in each direction mostly separated by a raised median widening to two lanes near State Route 69
- Pavement width varies from about 32 to 75 feet to accommodate left- and right-turn lanes
- Considerable horizontal and vertical curvature; several upgrades and downgrades
- A 65-foot-wide bridge about ½ mile south of State Route 69
- Guardrails along the bridge and on some other segments
- Curb and gutter on both sides of the roadway near State Route 69
- Stoneridge Drive Multi-Use Path on the west side of the roadway, buffer-separated from the roadway
- No bike lanes or on-street parking
- Street lighting near SR 69 and a few intersections
- An uncontrolled crosswalk marked south of Slow Creek Road

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Tuesday, November 29, 2022, and Wednesday, May 31, 2023, at the following locations:

- Site A: Stoneridge Drive, about 0.25 miles north of Slow Creek Road
- Site B: Stoneridge Drive, about 0.46 miles south of SR 69

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b>Site A: 0.25 miles north of Slow Creek Road</b>			
Northbound	40 mph	44 mph	1,726
Southbound	42 mph	48 mph	2,062
Both Directions	41 mph	46 mph	3,788
<b>Site B: 0.46 miles south of State Route 69</b>			
Northbound	38 mph	42 mph	2,231
Southbound	39 mph	43 mph	2,081
Both Directions	39 mph	43 mph	4,312

- Average speeds ranged from 39 to 41 mph, above the existing 35-mph speed limit.
- 85th-percentile speeds averaged 43 to 46 mph.
- At Site A, there is a slight difference in speeds by direction. Northbound speeds are considerably slower than southbound speeds. The difference by direction is 4 mph in 85th-percentile speed. It is likely that this condition exists elsewhere along the corridor because of its vertical profile. Downhill speeds are often higher than uphill speeds.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	6	4	0	10	2
2020	9	3	0	12	5
2021	8	6	0	14	3
<b>Total</b>	<b>23</b>	<b>13</b>	<b>0</b>	<b>36</b>	<b>10</b>

- 36 crashes were reported, an average of about 12 crashes per year.
- 8 minor injury crashes, 4 possible injury crashes, and one serious crash were reported.



- 5 of the 13 injury crashes were reported as speed-related crashes.
- Of the 36 crashes, 23 occurred at the SR 69 intersection; these crashes are not generally relevant to the speed limit on Stoneridge Drive. Of the 13 injury crashes, 11 occurred at the SR 69 intersection.
- Excluding the SR 69 crashes, the crash rate along the corridor is 174 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 27 per 100 MVM.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM.
- The crash rate along the corridor is 25% lower than the average rate on similar roadways. The injury rate along the corridor is 59% lower than the average injury rate on similar roadways.

### **Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R2 – Residential (Multiple Dwelling Units), RCU – Residential (Conditional Use Permits), and C2 – Commercial (General Sales & Services).
- No single-family homes front the street.
- Most of the roadside is vacant. However, financial services and retail are present near SR 69.

### **Speed Limit Recommendation:**

Retain the existing 35-mph speed limit, for the following reasons:

- A speed limit of 40 mph could likely be justified based on drivers' existing speed preferences, separated pedestrian facility, low crash and injury rates, infrequent intersections, and presence of a raised median. However, Lee Engineering understands from the town that Stoneridge Drive is expected to be widened in the near future. It would be undesirable to increase the speed limit in advance of a major roadway project that is likely to introduce temporary traffic control devices, abrupt transitions, and workers and equipment in and near the roadway. It is recommended that the speed limit be reevaluated 6 to 12 months after implementation of the widening.

### **Recommended Action Items:**

- In the southbound direction approaching Old Black Canyon Highway, a STOP AHEAD (W3-1) sign is recommended. The STOP sign at the intersection has limited visibility because of the street's horizontal curvature, and a STOP AHEAD sign would communicate to unfamiliar motorists the need to decelerate approaching the intersection.
- Several median noses along Stoneridge Drive do not have KEEP RIGHT (R4-7) signs. The town should confirm that the posting of KEEP RIGHT signs on this street is consistent with its typical practice and install additional signs if necessary.

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 11/29/22  
Station ID: 22-1620-025  
Stoneridge Dr north of Old Black Canyon  
Highway 34.568629, -112.347188  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/29/22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	41	43
05:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
06:00	0	0	0	0	1	2	5	7	2	0	0	0	0	0	17	40	44
07:00	0	0	0	0	0	1	23	14	2	2	0	0	0	0	42	41	44
08:00	0	0	0	0	1	22	59	50	10	0	0	0	0	0	142	40	43
09:00	0	0	0	0	0	18	75	53	14	0	0	0	0	0	160	40	44
10:00	0	0	0	0	1	16	77	65	11	1	0	0	0	0	171	40	43
11:00	0	0	0	0	0	14	67	57	6	2	0	0	0	0	146	40	43
12 PM	0	0	0	0	0	14	88	56	9	1	0	0	0	0	168	40	43
13:00	0	0	0	0	2	13	61	59	14	0	0	0	0	0	149	40	44
14:00	0	0	0	0	0	25	58	61	15	1	0	0	0	0	160	40	44
15:00	0	0	0	0	0	16	64	56	14	1	0	0	0	0	151	40	44
16:00	0	0	0	1	1	14	54	45	10	2	0	0	0	0	127	40	44
17:00	0	0	0	0	3	10	62	36	7	1	0	1	0	0	120	40	43
18:00	0	0	0	0	3	7	31	26	3	1	0	0	0	0	71	40	43
19:00	0	0	0	2	2	7	16	10	1	0	0	0	0	0	38	37	42
20:00	0	0	0	1	0	7	14	10	3	0	0	0	0	0	35	39	43
21:00	0	0	0	0	1	3	7	3	3	0	0	0	0	0	17	39	45
22:00	0	0	0	0	0	1	4	4	0	0	0	0	0	0	9	40	43
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	0	0	0	4	15	190	767	613	124	12	0	1	0	0	1726		
Percent	0.0%	0.0%	0.0%	0.2%	0.9%	11.0%	44.4%	35.5%	7.2%	0.7%	0.0%	0.1%	0.0%	0.0%			
AM Peak Vol.					1	22	77	65	14	2					171		
PM Peak Vol.				19:00	17:00	14:00	12:00	14:00	14:00	16:00		17:00			12:00		
				2	3	25	88	61	15	2		1			168		
Total	0	0	0	4	15	190	767	613	124	12	0	1	0	0	1726		
Percent	0.0%	0.0%	0.0%	0.2%	0.9%	11.0%	44.4%	35.5%	7.2%	0.7%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 35 MPH  
50th Percentile : 39 MPH  
85th Percentile : 44 MPH  
95th Percentile : 47 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 1380  
Percent in Pace : 80.0%  
Number of Vehicles > 35 MPH : 1517  
Percent of Vehicles > 35 MPH : 87.9%  
Mean Speed(Average) : 40 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 11/29/22  
Station ID: 22-1620-025  
Stoneridge Dr north of Old Black Canyon  
Highway 34.568629, -112.347188  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
11/29/22	0	0	0	0	0	0	1	1	0	1	0	0	0	0	3	45	52
01:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	41	43
02:00	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3	56	58
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2	43	48
05:00	0	0	0	0	0	0	3	1	0	0	0	0	0	0	4	39	42
06:00	0	0	0	0	1	3	4	8	1	0	0	0	0	0	17	39	44
07:00	0	0	0	0	0	2	13	11	15	8	0	0	1	0	50	45	50
08:00	0	0	0	0	0	18	25	35	21	8	0	0	0	0	107	42	48
09:00	0	0	0	0	3	2	24	35	22	1	0	1	1	0	89	43	47
10:00	0	0	0	0	1	10	59	51	22	5	1	1	0	0	150	42	46
11:00	0	0	0	0	1	10	44	46	17	12	5	0	1	0	136	43	49
12 PM	0	0	0	0	0	17	59	58	35	8	0	0	0	0	177	42	47
13:00	0	0	0	0	6	8	34	64	29	10	1	1	0	0	153	43	48
14:00	0	0	0	0	2	12	42	68	44	10	1	0	2	0	181	43	48
15:00	0	0	0	0	0	17	77	84	37	16	2	0	0	0	233	42	47
16:00	0	0	0	0	0	9	59	109	50	6	0	0	1	0	234	43	47
17:00	0	0	0	1	1	19	50	58	33	7	4	0	0	0	173	42	47
18:00	0	0	0	1	6	20	32	43	25	6	2	2	1	0	138	42	48
19:00	0	0	0	1	1	12	29	26	17	3	0	0	0	0	89	41	46
20:00	0	0	0	1	2	6	14	19	15	8	4	1	0	0	70	44	51
21:00	0	0	0	0	2	4	7	9	3	4	0	1	0	0	30	42	50
22:00	0	0	0	0	0	1	1	3	8	1	0	0	0	0	14	46	49
23:00	0	0	0	0	0	1	1	3	0	1	0	0	1	0	7	46	54
Total	0	0	0	4	26	171	580	733	395	116	22	7	8	0	2062		
Percent	0.0%	0.0%	0.0%	0.2%	1.3%	8.3%	28.1%	35.5%	19.2%	5.6%	1.1%	0.3%	0.4%	0.0%			
AM Peak					09:00	08:00	10:00	10:00	09:00	11:00	11:00	09:00	07:00		10:00		
Vol.					3	18	59	51	22	12	5	1	1		150		
PM Peak				17:00	13:00	18:00	15:00	16:00	16:00	15:00	17:00	18:00	14:00		16:00		
Vol.				1	6	20	77	109	50	16	4	2	2		234		
Total	0	0	0	4	26	171	580	733	395	116	22	7	8	0	2062		
Percent	0.0%	0.0%	0.0%	0.2%	1.3%	8.3%	28.1%	35.5%	19.2%	5.6%	1.1%	0.3%	0.4%	0.0%			

15th Percentile : 35 MPH  
50th Percentile : 41 MPH  
85th Percentile : 48 MPH  
95th Percentile : 52 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 1313  
Percent in Pace : 63.7%  
Number of Vehicles > 35 MPH : 1861  
Percent of Vehicles > 35 MPH : 90.3%  
Mean Speed(Average) : 42 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 11/29/22  
Station ID: 22-1620-025  
Stoneridge Dr north of Old Black Canyon  
Highway 34.568629, -112.347188  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
11/29/22	0	0	0	0	0	0	1	1	0	1	0	0	0	0	3	45	52
01:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	41	43
02:00	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3	56	58
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	2	1	1	0	0	0	0	0	4	42	47
05:00	0	0	0	0	0	0	4	1	0	0	0	0	0	0	5	39	41
06:00	0	0	0	0	2	5	9	15	3	0	0	0	0	0	34	40	44
07:00	0	0	0	0	0	3	36	25	17	10	0	0	1	0	92	43	49
08:00	0	0	0	0	1	40	84	85	31	8	0	0	0	0	249	41	45
09:00	0	0	0	0	3	20	99	88	36	1	0	1	1	0	249	41	45
10:00	0	0	0	0	2	26	136	116	33	6	1	1	0	0	321	41	44
11:00	0	0	0	0	1	24	111	103	23	14	5	0	1	0	282	41	45
12 PM	0	0	0	0	0	31	147	114	44	9	0	0	0	0	345	41	45
13:00	0	0	0	0	8	21	95	123	43	10	1	1	0	0	302	41	46
14:00	0	0	0	0	2	37	100	129	59	11	1	0	2	0	341	42	46
15:00	0	0	0	0	0	33	141	140	51	17	2	0	0	0	384	41	46
16:00	0	0	0	1	1	23	113	154	60	8	0	0	1	0	361	42	46
17:00	0	0	0	1	4	29	112	94	40	8	4	1	0	0	293	41	46
18:00	0	0	0	1	9	27	63	69	28	7	2	2	1	0	209	41	46
19:00	0	0	0	3	3	19	45	36	18	3	0	0	0	0	127	40	45
20:00	0	0	0	2	2	13	28	29	18	8	4	1	0	0	105	42	49
21:00	0	0	0	0	3	7	14	12	6	4	0	1	0	0	47	41	48
22:00	0	0	0	0	0	2	5	7	8	1	0	0	0	0	23	43	48
23:00	0	0	0	0	0	1	1	3	0	1	0	0	1	0	7	46	54
Total	0	0	0	8	41	361	1347	1346	519	128	22	8	8	0	3788		
Percent	0.0%	0.0%	0.0%	0.2%	1.1%	9.5%	35.6%	35.5%	13.7%	3.4%	0.6%	0.2%	0.2%	0.0%			
AM Peak Vol.					09:00	08:00	10:00	10:00	09:00	11:00	11:00	09:00	07:00		10:00		
					3	40	136	116	36	14	5	1	1		321		
PM Peak Vol.				19:00	18:00	14:00	12:00	16:00	16:00	15:00	17:00	18:00	14:00		15:00		
				3	9	37	147	154	60	17	4	2	2		384		
Total	0	0	0	8	41	361	1347	1346	519	128	22	8	8	0	3788		
Percent	0.0%	0.0%	0.0%	0.2%	1.1%	9.5%	35.6%	35.5%	13.7%	3.4%	0.6%	0.2%	0.2%	0.0%			

15th Percentile : 35 MPH  
50th Percentile : 40 MPH  
85th Percentile : 46 MPH  
95th Percentile : 49 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 2693  
Percent in Pace : 71.1%  
Number of Vehicles > 35 MPH : 3378  
Percent of Vehicles > 35 MPH : 89.2%  
Mean Speed(Average) : 41 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23  
Station ID: 23-1225-075  
Stoneridge Dr south of 2nd St  
34.573420, -112.357110  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
05/31/23	0	0	0	0	2	2	0	1	0	0	0	0	0	0	5	33	41
01:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	41	43
02:00	0	0	0	0	0	1	3	0	1	0	0	0	0	0	5	39	46
03:00	0	0	0	1	2	0	1	1	0	0	0	0	0	0	5	32	41
04:00	0	0	0	0	0	1	3	2	1	0	0	0	0	0	7	40	44
05:00	0	0	0	0	1	5	14	8	3	0	0	0	0	0	31	39	43
06:00	0	0	0	1	2	8	37	27	7	2	0	0	0	0	84	40	44
07:00	0	0	0	1	2	19	73	56	11	2	0	0	0	0	164	40	43
08:00	0	0	0	5	2	37	85	47	6	0	0	0	0	0	182	38	42
09:00	0	0	1	0	2	45	114	46	3	0	0	0	0	0	211	38	41
10:00	0	0	0	0	4	26	97	52	3	1	1	0	0	0	184	39	42
11:00	0	0	0	0	3	43	81	43	13	1	0	0	0	0	184	39	43
12 PM	0	0	0	3	4	37	88	46	10	1	0	0	0	0	189	38	43
13:00	0	0	0	3	8	48	103	38	4	0	0	0	0	0	204	37	41
14:00	0	0	0	0	3	35	87	30	8	0	0	0	0	0	163	38	42
15:00	4	0	0	2	4	36	70	39	6	0	0	0	0	0	161	37	42
16:00	0	0	0	2	4	24	75	39	3	0	0	0	0	0	147	38	42
17:00	1	0	0	0	0	15	57	28	5	0	0	0	0	0	106	39	43
18:00	0	0	0	0	6	13	51	18	6	1	0	0	0	0	95	38	42
19:00	0	0	0	0	3	9	19	11	2	0	0	0	0	0	44	38	42
20:00	0	0	0	0	3	10	11	4	0	0	0	0	0	0	28	36	39
21:00	0	0	0	0	4	5	2	2	2	0	0	0	0	0	15	36	44
22:00	0	0	0	1	1	3	3	1	0	0	0	0	0	0	9	34	39
23:00	0	0	0	0	0	3	1	2	0	0	0	0	0	0	6	37	42
Total	5	0	1	19	60	425	1076	542	94	8	1	0	0	0	2231		
Percent	0.2%	0.0%	0.0%	0.9%	2.7%	19.0%	48.2%	24.3%	4.2%	0.4%	0.0%	0.0%	0.0%	0.0%			
AM Peak			09:00	08:00	10:00	09:00	09:00	07:00	11:00	06:00	10:00				09:00		
Vol.			1	5	4	45	114	56	13	2	1				211		
PM Peak	15:00			12:00	13:00	13:00	13:00	12:00	12:00						13:00		
Vol.	4			3	8	48	103	46	10	1					204		
Total	5	0	1	19	60	425	1076	542	94	8	1	0	0	0	2231		
Percent	0.2%	0.0%	0.0%	0.9%	2.7%	19.0%	48.2%	24.3%	4.2%	0.4%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 32 MPH  
50th Percentile : 37 MPH  
85th Percentile : 42 MPH  
95th Percentile : 44 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 1618  
Percent in Pace : 72.5%  
Number of Vehicles > 35 MPH : 1721  
Percent of Vehicles > 35 MPH : 77.1%  
Mean Speed(Average) : 38 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23  
Station ID: 23-1225-075  
Stoneridge Dr south of 2nd St  
34.573420, -112.357110  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/31/23	0	0	0	0	0	0	2	0	1	0	0	0	0	0	3	41	47
01:00	0	0	0	0	0	0	2	0	1	1	0	0	0	0	4	44	52
02:00	0	0	0	0	0	2	3	1	0	0	0	0	0	0	6	37	40
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	48	49
05:00	0	0	0	0	1	1	5	2	1	0	0	0	0	0	10	39	43
06:00	0	0	0	0	3	8	12	3	1	0	0	0	0	0	27	36	39
07:00	0	0	0	0	8	19	22	9	2	0	0	0	0	0	60	36	41
08:00	0	0	0	0	1	20	42	16	1	1	0	0	0	0	81	38	41
09:00	0	0	0	0	3	27	58	29	1	0	0	0	0	0	118	38	42
10:00	0	0	0	1	4	29	65	50	8	0	1	0	0	0	158	39	43
11:00	0	0	0	0	3	32	69	53	18	0	0	0	0	0	175	39	44
12 PM	0	0	0	0	6	40	77	55	17	0	0	0	0	0	195	39	43
13:00	0	0	0	0	0	36	89	56	12	0	1	0	0	0	194	39	43
14:00	1	0	0	1	5	37	103	55	7	1	0	0	0	0	210	38	42
15:00	0	0	0	1	4	32	79	48	9	0	0	0	0	0	173	39	43
16:00	0	0	0	0	1	17	101	79	12	4	1	0	0	0	215	40	44
17:00	0	0	0	0	1	21	64	57	14	0	1	0	0	0	158	40	44
18:00	0	0	0	0	0	10	38	31	11	1	1	0	0	0	92	41	44
19:00	0	0	0	0	2	6	35	40	8	1	0	0	0	0	92	41	44
20:00	0	0	0	0	2	13	19	16	5	1	0	1	1	0	58	40	44
21:00	0	0	0	0	0	4	14	7	3	1	0	0	0	0	29	40	44
22:00	0	0	0	0	0	4	2	7	1	0	0	0	0	0	14	40	44
23:00	0	0	0	0	0	0	1	5	1	0	1	0	0	0	8	45	48
Total	1	0	0	3	44	358	902	619	135	11	6	1	1	0	2081		
Percent	0.0%	0.0%	0.0%	0.1%	2.1%	17.2%	43.3%	29.7%	6.5%	0.5%	0.3%	0.0%	0.0%	0.0%			
AM Peak				10:00	07:00	11:00	11:00	11:00	11:00	01:00	10:00				11:00		
Vol.				1	8	32	69	53	18	1	1				175		
PM Peak	14:00			14:00	12:00	12:00	14:00	16:00	12:00	16:00	13:00	20:00	20:00		16:00		
Vol.	1			1	6	40	103	79	17	4	1	1	1		215		
Total	1	0	0	3	44	358	902	619	135	11	6	1	1	0	2081		
Percent	0.0%	0.0%	0.0%	0.1%	2.1%	17.2%	43.3%	29.7%	6.5%	0.5%	0.3%	0.0%	0.0%	0.0%			

15th Percentile : 33 MPH  
50th Percentile : 38 MPH  
85th Percentile : 43 MPH  
95th Percentile : 46 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 1521  
Percent in Pace : 73.1%  
Number of Vehicles > 35 MPH : 1675  
Percent of Vehicles > 35 MPH : 80.5%  
Mean Speed(Average) : 39 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Wed 05/31/23  
Station ID: 23-1225-075  
Stoneridge Dr south of 2nd St  
34.573420, -112.357110  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/31/23	0	0	0	0	2	2	2	1	1	0	0	0	0	0	8	36	43
01:00	0	0	0	0	0	0	3	1	1	1	0	0	0	0	6	43	50
02:00	0	0	0	0	0	3	6	1	1	0	0	0	0	0	11	38	41
03:00	0	0	0	1	2	0	1	1	0	0	0	0	0	0	5	32	41
04:00	0	0	0	0	0	1	3	2	2	0	0	0	0	0	8	41	47
05:00	0	0	0	0	2	6	19	10	4	0	0	0	0	0	41	39	43
06:00	0	0	0	1	5	16	49	30	8	2	0	0	0	0	111	39	43
07:00	0	0	0	1	10	38	95	65	13	2	0	0	0	0	224	39	43
08:00	0	0	0	5	3	57	127	63	7	1	0	0	0	0	263	38	42
09:00	0	0	1	0	5	72	172	75	4	0	0	0	0	0	329	38	41
10:00	0	0	0	1	8	55	162	102	11	1	2	0	0	0	342	39	43
11:00	0	0	0	0	6	75	150	96	31	1	0	0	0	0	359	39	43
12 PM	0	0	0	3	10	77	165	101	27	1	0	0	0	0	384	39	43
13:00	0	0	0	3	8	84	192	94	16	0	1	0	0	0	398	38	42
14:00	1	0	0	1	8	72	190	85	15	1	0	0	0	0	373	38	42
15:00	4	0	0	3	8	68	149	87	15	0	0	0	0	0	334	38	42
16:00	0	0	0	2	5	41	176	118	15	4	1	0	0	0	362	39	43
17:00	1	0	0	0	1	36	121	85	19	0	1	0	0	0	264	40	43
18:00	0	0	0	0	6	23	89	49	17	2	1	0	0	0	187	40	44
19:00	0	0	0	0	5	15	54	51	10	1	0	0	0	0	136	40	44
20:00	0	0	0	0	5	23	30	20	5	1	0	1	1	0	86	39	43
21:00	0	0	0	0	4	9	16	9	5	1	0	0	0	0	44	39	44
22:00	0	0	0	1	1	7	5	8	1	0	0	0	0	0	23	38	43
23:00	0	0	0	0	0	3	2	7	1	0	1	0	0	0	14	42	44
Total	6	0	1	22	104	783	1978	1161	229	19	7	1	1	0	4312		
Percent	0.1%	0.0%	0.0%	0.5%	2.4%	18.2%	45.9%	26.9%	5.3%	0.4%	0.2%	0.0%	0.0%	0.0%			
AM Peak			09:00	08:00	07:00	11:00	09:00	10:00	11:00	06:00	10:00				11:00		
Vol.			1	5	10	75	172	102	31	2	2				359		
PM Peak	15:00			12:00	12:00	13:00	13:00	16:00	12:00	16:00	13:00	20:00	20:00		13:00		
Vol.	4			3	10	84	192	118	27	4	1	1	1		398		
Total	6	0	1	22	104	783	1978	1161	229	19	7	1	1	0	4312		
Percent	0.1%	0.0%	0.0%	0.5%	2.4%	18.2%	45.9%	26.9%	5.3%	0.4%	0.2%	0.0%	0.0%	0.0%			

15th Percentile : 33 MPH  
50th Percentile : 38 MPH  
85th Percentile : 43 MPH  
95th Percentile : 45 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 3139  
Percent in Pace : 72.8%  
Number of Vehicles > 35 MPH : 3396  
Percent of Vehicles > 35 MPH : 78.8%  
Mean Speed(Average) : 39 MPH

## Crash Summary

### Stoneridge Drive - Old Black Canyon Highway to SR 69

Data Period: 2019 - 2021

Total Crashes: 36

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3497311	2/13/2019	1:13 AM	2019	Stoneridge Drive	Slow Creek Road	150	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	
2	3474379	1/3/2019	9:17 PM	2019	SR-69	Stoneridge Drive	0	No Injury	Sideswipe	Dark Unknown Lighting	2	0	0	
3	3506278	3/25/2019	2:56 PM	2019	SR-69	Stoneridge Drive	0	No Injury	Sideswipe	Daylight	3	0	0	
4	3565253	8/31/2019	5:41 AM	2019	SR-69	Stoneridge Drive	0	No Injury	Single Vehicle	Dawn	1	0	0	
5	3565260	9/22/2019	2:53 PM	2019	SR-69	Stoneridge Drive	0	Minor Injury	Head-on	Daylight	2	1	0	
6	3585211	9/30/2019	5:01 PM	2019	SR-69	Stoneridge Drive	0	No Injury	Rear-end	Daylight	2	0	0	Yes
7	3588975	11/22/2019	2:46 PM	2019	SR-69	Stoneridge Drive	0	No Injury	Sideswipe	Daylight	2	0	0	
8	3610176	12/24/2019	4:10 PM	2019	SR-69	Stoneridge Drive	0	Possible Injury	Left Turn	Daylight	2	4	0	
9	3474390	1/5/2019	1:03 PM	2019	SR-69	Stoneridge Drive	5	Minor Injury	Rear-end	Daylight	2	2	0	Yes
10	3502437	3/8/2019	12:18 PM	2019	2nd Street	Stoneridge Drive	0	Possible Injury	Left Turn	Daylight	2	1	0	
11	3720084	12/25/2020	11:46 AM	2020	Stoneridge Drive	Fitzmaurice View Court	900	No Injury	Single Vehicle	Daylight	1	0	0	
12	3697720	10/25/2020	7:04 AM	2020	Stoneridge Drive	Slow Creek Road	50	No Injury	Single Vehicle	Daylight	1	0	0	
13	3676174	8/21/2020	7:25 AM	2020	Stoneridge Drive	Fitzmaurice View Court	0	No Injury	Single Vehicle	Daylight	1	0	0	Yes
14	3693112	10/11/2020	4:03 AM	2020	Stoneridge Drive	Fitzmaurice View Court	-500	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	
15	3685233	9/15/2020	1:48 PM	2020	SR-69	Stoneridge Drive	0	No Injury	Angle	Daylight	2	0	0	
16	3707444	11/19/2020	7:10 PM	2020	SR-69	Stoneridge Drive	0	Minor Injury	Left Turn	Dark Lighted	2	3	0	Yes
17	3707445	11/20/2020	6:57 PM	2020	SR-69	Stoneridge Drive	0	No Injury	Rear-end	Dark Lighted	2	0	0	
18	3660196	6/26/2020	12:33 PM	2020	Stoneridge Drive	SR-69	0	No Injury	Rear-end	Daylight	3	0	0	Yes
19	3692461	10/9/2020	5:26 PM	2020	SR-69	Stoneridge Drive	3	Minor Injury	Rear-end	Dusk	2	1	0	Yes
20	3674447	8/14/2020	5:22 PM	2020	SR-69	Stoneridge Drive	10	Possible Injury	Rear-end	Daylight	3	1	0	Yes
21	3615015	1/27/2020	9:35 PM	2020	Stoneridge Drive	SR-69	-1000	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	
22	3634523	3/20/2020	7:10 AM	2020	Stoneridge Drive	SR-69	-2000	No Injury	Single Vehicle	Daylight	1	0	0	
23	3827406	10/22/2021	10:51 PM	2021	Stoneridge Drive	Stoneridge Drive	-1000	Serious Injury	Single Vehicle	Dark Not Lighted	1	2	0	
24	3768272	5/17/2021	11:10 AM	2021	Stoneridge Drive	Roughstock Way	0	No Injury	Single Vehicle	Daylight	1	0	0	Yes
25	3811006	9/7/2021	3:57 PM	2021	SR-69	M289	0.73	No Injury	Rear-end	Daylight	2	0	0	
26	3789304	7/5/2021	9:03 PM	2021	SR-69	Stoneridge Drive	0	No Injury	Left Turn	Dark Lighted	2	0	0	
27	3793847	7/25/2021	12:43 PM	2021	SR-69	Stoneridge Drive	0	Minor Injury	Left Turn	Daylight	3	3	0	
28	3822005	10/10/2021	10:52 AM	2021	SR-69	Stoneridge Drive	0	Minor Injury	Left Turn	Daylight	2	1	0	
29	3846052	12/9/2021	7:58 PM	2021	SR-69	Stoneridge Drive	0	No Injury	Rear-end	Dark Lighted	2	0	0	Yes
30	3764267	4/28/2021	5:38 PM	2021	Stoneridge Drive	SR-69	0	No Injury	Other	Daylight	4	0	0	
31	3798718	7/25/2021	12:29 PM	2021	SR-69	M289	0.73	Minor Injury	Angle	Daylight	3	3	0	
32	3831151	10/30/2021	4:35 PM	2021	SR-69	Stoneridge Drive	10	Minor Injury	Rear-end	Dusk	2	1	0	
33	3751722	4/6/2021	11:52 AM	2021	SR-69	Stoneridge Drive	20	Possible Injury	Rear-end	Daylight	3	1	0	Yes
34	3751724	4/6/2021	8:10 AM	2021	Stoneridge Drive	2nd Street	25	No Injury	Single Vehicle	Daylight	1	0	0	
35	3830033	10/26/2021	4:55 PM	2021	Stoneridge Drive	2nd Street	0	No Injury	Left Turn	Dusk	2	0	0	
36	3837218	11/18/2021	5:15 PM	2021	2nd Street	Stoneridge Drive	0	No Injury	Left Turn	Daylight	2	0	0	



# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



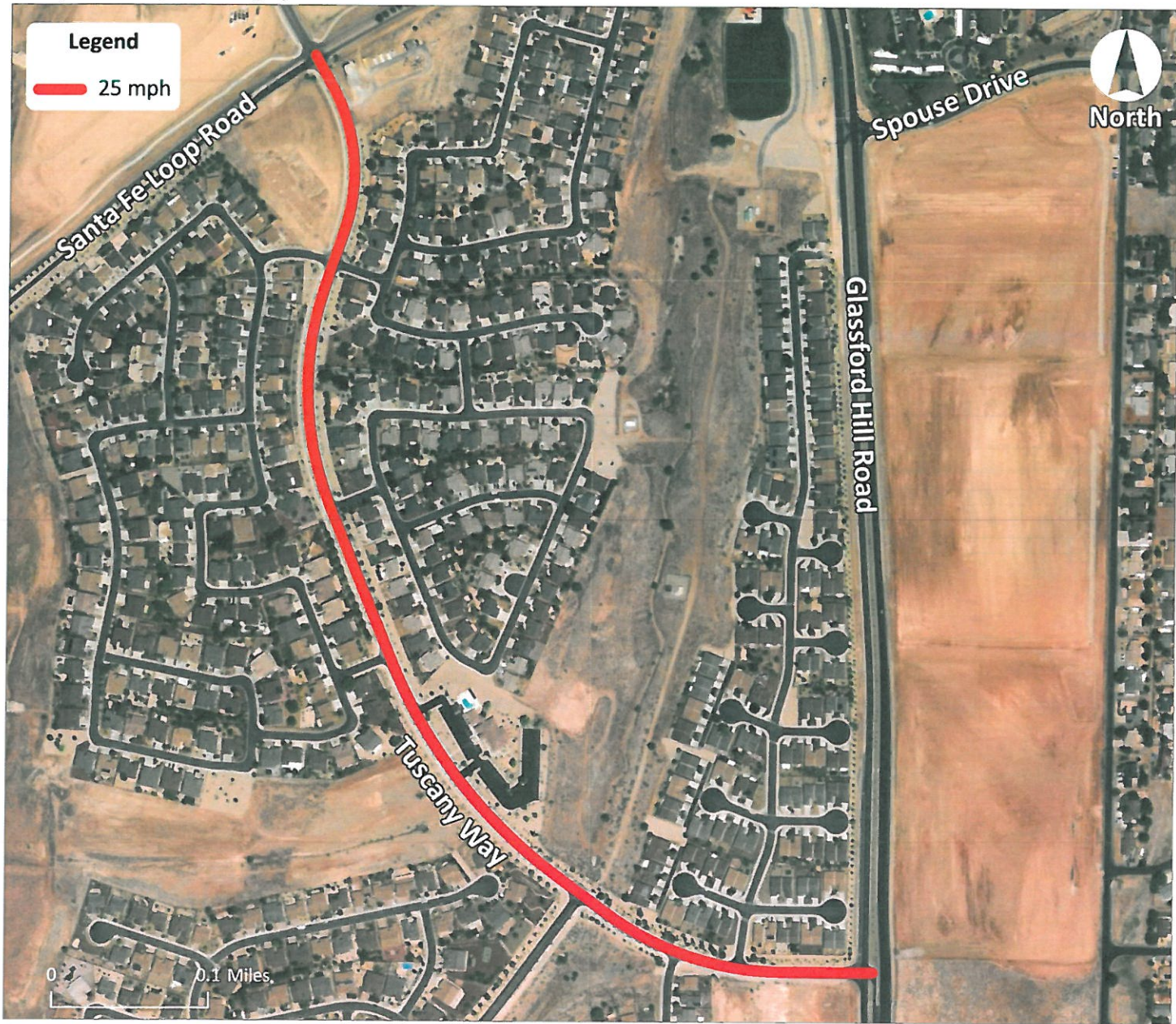
**Segment Studied:** Tuscany Way

**From:** Santa Fe Loop Road

**To:** Glassford Hill Road

**Length:** 0.8 miles

Study Area Map - Existing Speed Limits





### Introduction:

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

### Roadway Characteristics:

- Functional Classification: collector
- Existing Speed Limit: 25 mph
- One lane in each direction separated by a two-way left-turn lane
- Pavement about 37 feet wide
- On eastbound Tuscany Way at Glassford Hill Road, left-turn movements are not permitted
- Moderate horizontal curvature
- Curb, gutter, and street lighting on both sides of the roadway
- Sidewalk on the west/south side of the roadway, buffer-separated from the roadway
- No bike lanes or shoulders
- Two uncontrolled crosswalks marked near the Vista Point Community Clubhouse

### Data Collection:

Traffic counts with speed data were recorded for a 24-hour period on Tuesday, November 29, 2022, and Tuesday, May 30, 2023, at the following locations:

- Site A: Tuscany Way, about 220 feet east of Granville Fairway
- Site B: Tuscany Way, about 0.35 miles south of Santa Fe Loop Road

### Speed and Traffic Volume:

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>Site A: 220 feet east of Granville Fairway</i></b>			
Eastbound	29 mph	33 mph	625
Westbound	29 mph	33 mph	1,988
Both Directions	29 mph	33 mph	2,613
<b><i>Site B: 0.35 miles south of Santa Fe Loop Road</i></b>			
Northbound	37 mph	42 mph	1,264
Southbound	36 mph	41 mph	1,260
Both Directions	37 mph	42 mph	2,524

- Average speeds ranged from 29 to 37 mph, well above the existing 25-mph speed limit.
- 85th-percentile speeds averaged 33 to 42 mph.
- Speeds at the northern end of the segment, near Santa Fe Loop Road, are considerably higher than in the southern end of the segment. It is possible that the location of data collection was so close to Granville Fairway that the ultimate cruising speeds of traffic turning to or from Granville Fairway was not captured.

#### Crash Analysis:

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	7	2	0	9	1
2020	2	1	0	3	2
2021	4	0	0	4	0
<b>Total</b>	<b>13</b>	<b>3</b>	<b>0</b>	<b>16</b>	<b>3</b>

- 16 crashes were reported, an average of about 5.3 crashes per year.
- 2 minor injury crashes and one serious injury crash were reported.
- The serious injury crash was reported as a speed-related crash.
- Of the 16 crashes, 10 occurred at the Glassford Hill Road intersection; these crashes are not generally relevant to the speed limit on Tuscany Way. Of the 3 injury crashes, 2 occurred at the Glassford Hill Road intersection.
- Excluding the Glassford Hill Road crashes, the crash rate along the corridor is 263 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 44 per 100 MVM.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM.
- The crash rate along the corridor is 13% higher than the average rate on similar roadways. The injury rate along the corridor is 33% lower than the average injury rate on similar roadways.

#### Roadside Development and Environment:

- Zoning includes R1L – Residential (Single Family Limited), PL – Public Lands, and C2 – Commercial (General Sales & Services).
- No single-family homes front the street.
- The street has excellent access management practices, with limited intersection spacing. Along the entire segment, about 0.8 miles, only one private driveway intersects Tuscany Way. (this driveway serves the Vista Point Community Clubhouse.)

**Speed Limit Recommendation:**

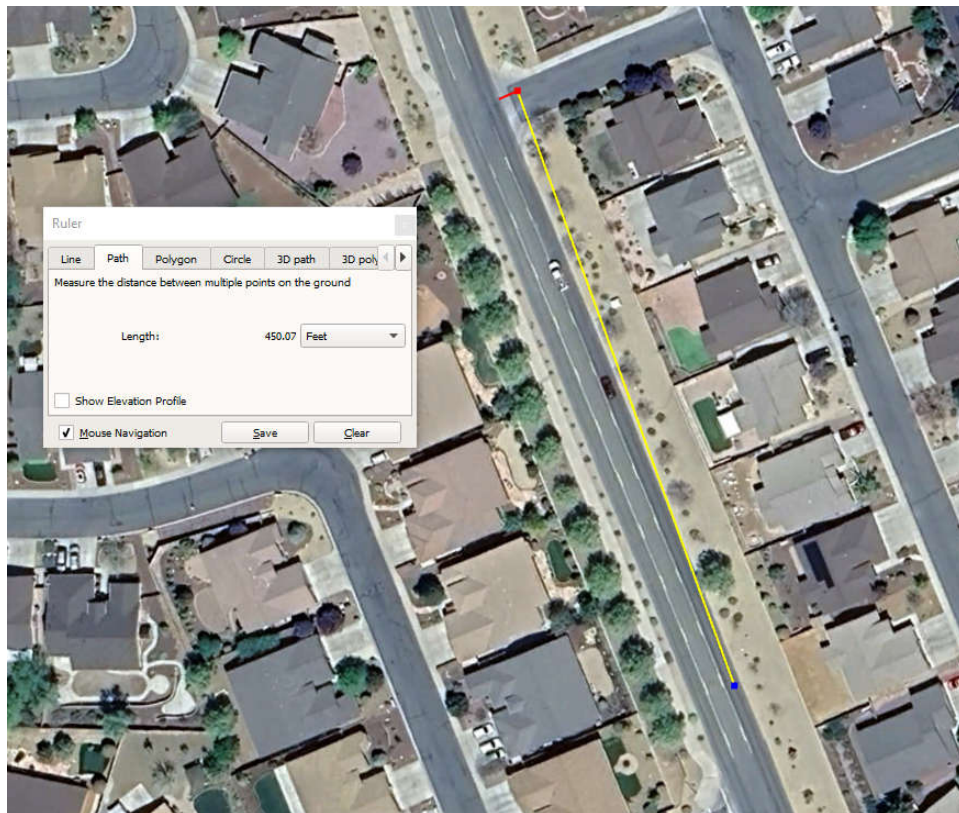
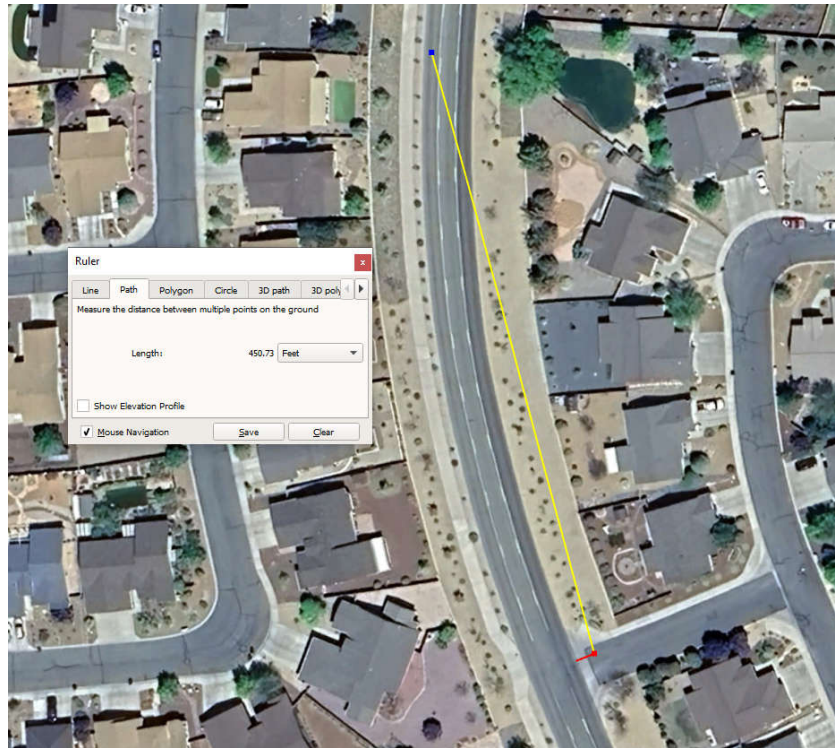
Increase the existing speed limit to 30 mph, for the following reasons:

- Drivers' existing travel speeds clearly indicate a preference for higher speeds, despite the existing 25-mph speed limit. It is unusual for existing average travel speeds to reach 12 mph higher than the posted speed limit.
- The cross-section of the roadway, including the presence of curb and gutter and the left-turn lane separating the travel directions, communicates to drivers that the street is capable of supporting speeds higher than the existing 25-mph limit.
- Pedestrians walking along the street can use the existing buffer-separated sidewalk to be situated comfortably well outside the traveled way.
- The lack of front-facing homes and the minimal number of driveways suggest that it is not essential to limit speeds to 25 mph as is desirable where these features exist.
- A speed limit higher than 35 mph would not be consistent with the residential nature of the roadway and would be so high as to exceed drivers' typical speed preferences.
- The moderate horizontal curvature along the roadway is comfortable at 30 mph, according to ball-bank indicator readings. No separate curve warning signs are necessary. The highest ball-bank indicator reading recorded was 8° at 35 mph.
- The crash rate is slightly higher than the average for typical streets, but the injury rate is well below average.
- *A Policy on Geometric Design of Highways and Streets*, published by the American Association of State Highway and Transportation Officials (AASHTO), provides sight distance recommendations based on roadway speed. Intersection Sight Distance Case B addresses intersections with stop control on the minor road. Minor-street drivers should have enough sight distance to ensure an adequate gap in traffic before entering the street. AASHTO provides the following sight distance criteria:
  - For left turns from the minor street, a time gap of 8 seconds is recommended (7.5 seconds plus ½ second to cross the two-way left-turn lane.) For a 30-mph speed, the AASHTO intersection sight distance recommendation is 355 feet. Considering a 5-mph buffer over the recommended 30-mph speed limit, the recommendation for 35 mph is 415 feet.
  - For right turns from the minor street, a time gap of 6.5 seconds is needed. For a 30-mph speed, 290 feet of sight distance is recommended, and for 35 mph, 335 feet is recommended.
  - Where applicable, sight distance for traffic proceeding straight across the major street has a shorter time gap than for left turns, so left turns typically control.
  - Sight distance is measured from a point 14.5 feet back from the edge of the major street traveled way and with eye and object heights of 3.5 feet.

Tuscany Way has modern construction with modest horizontal and vertical curvature, well-groomed roadside vegetation, and excellent sight distance availability. To illustrate available sight distance, worst-case turning movements were evaluated approaching the major street from Pentlow Street. This location was selected because it is on the inside of a horizontal curve, where sight distance tends to be limited by roadway geometry. Nevertheless, more than 450 feet of sight distance is available looking to the left and right, as shown in the images below. In both cases, the sight distance line passes under tree limbs; these limbs are pruned high enough that visibility is sufficient below the tree canopy.

## Speed Limit Study

The recommended speed limit change is consistent with available sight distance along the corridor.



**Recommended Action Items:**

- Speed limit signs should be changed to reflect the new speed limit.
- Actual travel speeds are considerably higher than the existing and proposed speed limits. The town may wish to consider placing dynamic speed feedback assemblies 300 to 600 feet after motorists have entered this segment from both Glassford Hill Road and Santa Fe Loop Road to encourage motorists to travel at the posted speed limit.

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 11/29/22  
Station ID: 22-1620-027  
Tuscany Way west of Glassford Hill Rd  
34.604455, -112.347443  
Latitude: 0' 0.0000 Undefined

## Eastbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/29/22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	31	38
05:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	28	33
06:00	0	0	0	0	1	2	1	0	0	0	0	0	0	0	4	33	37
07:00	1	0	0	2	4	5	3	1	0	0	0	0	0	0	16	30	37
08:00	0	0	0	3	8	12	2	0	0	0	0	0	0	0	25	31	34
09:00	1	0	0	4	18	6	4	1	0	0	0	0	0	0	34	29	34
10:00	0	0	0	3	29	11	3	1	0	0	0	0	0	0	47	30	33
11:00	3	0	1	7	18	16	1	0	0	0	0	0	0	0	46	28	33
12 PM	0	0	0	10	25	21	5	0	0	0	0	0	0	0	61	30	34
13:00	1	0	0	11	27	21	6	1	0	0	0	0	0	0	67	30	34
14:00	0	0	1	7	47	28	2	0	0	0	0	0	0	0	85	29	33
15:00	0	1	11	15	25	8	2	0	0	0	0	0	0	0	62	26	30
16:00	3	0	1	9	39	16	3	1	0	0	0	0	0	0	72	28	32
17:00	0	0	1	8	19	13	3	0	0	0	0	0	0	0	44	29	33
18:00	2	0	0	3	17	5	1	0	0	0	0	0	0	0	28	27	31
19:00	1	0	0	3	7	7	1	0	0	0	0	0	0	0	19	29	33
20:00	0	0	1	1	4	2	0	1	0	0	0	0	0	0	9	29	34
21:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	28	33
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	12	1	16	89	288	175	38	6	0	0	0	0	0	0	625		
Percent	1.9%	0.2%	2.6%	14.2%	46.1%	28.0%	6.1%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00		11:00	11:00	10:00	11:00	09:00	07:00							10:00		
Vol.	3		1	7	29	16	4	1							47		
PM Peak	16:00	15:00	15:00	15:00	14:00	14:00	13:00	13:00							14:00		
Vol.	3	1	11	15	47	28	6	1							85		
Total	12	1	16	89	288	175	38	6	0	0	0	0	0	0	625		
Percent	1.9%	0.2%	2.6%	14.2%	46.1%	28.0%	6.1%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 23 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 36 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 464  
Percent in Pace : 74.2%  
Number of Vehicles > 25 MPH : 507  
Percent of Vehicles > 25 MPH : 81.1%  
Mean Speed(Average) : 29 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 2

Site Code: Tues 11/29/22  
Station ID: 22-1620-027  
Tuscany Way west of Glassford Hill Rd  
34.604455, -112.347443  
Latitude: 0' 0.0000 Undefined

## Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
11/29/22	0	0	0	0	1	4	1	1	0	0	0	0	0	0	7	34	39
01:00	0	0	0	0	2	1	1	0	0	0	0	0	0	0	4	32	37
02:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	43	44
03:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	26	28
04:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	26	28
05:00	0	0	1	1	8	1	0	0	0	0	0	0	0	0	11	27	29
06:00	0	0	3	13	25	10	1	0	0	0	0	0	0	0	52	27	31
07:00	0	0	1	17	43	31	6	1	0	0	0	0	0	0	99	29	33
08:00	0	0	1	11	54	31	3	1	0	0	0	0	0	0	101	29	33
09:00	0	0	1	17	43	41	3	0	0	0	0	0	0	0	105	29	33
10:00	0	0	0	16	49	45	6	0	0	0	0	0	0	0	116	30	33
11:00	0	0	1	17	67	44	3	0	0	0	0	0	0	0	132	29	33
12 PM	0	0	0	9	67	44	5	1	0	0	0	0	0	0	126	30	33
13:00	0	0	0	11	66	58	7	0	0	0	0	0	0	0	142	30	33
14:00	0	0	0	12	91	58	9	0	2	0	0	0	1	0	173	30	33
15:00	1	10	26	51	50	44	3	0	0	0	0	0	0	0	185	26	32
16:00	0	2	3	14	72	81	14	4	0	0	0	0	0	0	190	30	34
17:00	0	0	1	10	82	67	11	1	0	0	0	0	0	0	172	30	33
18:00	0	0	0	15	61	49	8	1	0	0	0	0	0	0	134	30	33
19:00	0	0	1	9	47	39	6	0	0	0	0	0	0	0	102	30	33
20:00	0	0	0	8	35	22	0	1	0	0	0	0	0	0	66	29	32
21:00	0	0	0	5	25	10	1	0	0	0	0	0	0	0	41	29	32
22:00	0	0	1	2	11	5	2	0	0	0	0	0	0	0	21	29	33
23:00	0	0	0	1	0	1	0	1	0	0	0	0	0	0	3	33	42
Total	1	12	40	241	902	686	90	13	2	0	0	0	1	0	1988		
Percent	0.1%	0.6%	2.0%	12.1%	45.4%	34.5%	4.5%	0.7%	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%			
AM Peak			06:00	07:00	11:00	10:00	07:00	00:00							11:00		
Vol.			3	17	67	45	6	1							132		
PM Peak	15:00	15:00	15:00	15:00	14:00	16:00	16:00	16:00	14:00				14:00		16:00		
Vol.	1	10	26	51	91	81	14	4	2				1		190		
Total	1	12	40	241	902	686	90	13	2	0	0	0	1	0	1988		
Percent	0.1%	0.6%	2.0%	12.1%	45.4%	34.5%	4.5%	0.7%	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 35 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1588  
Percent in Pace : 79.9%  
Number of Vehicles > 25 MPH : 1694  
Percent of Vehicles > 25 MPH : 85.2%  
Mean Speed(Average) : 29 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 11/29/22  
Station ID: 22-1620-027  
Tuscany Way west of Glassford Hill Rd  
34.604455, -112.347443  
Latitude: 0' 0.0000 Undefined

## Eastbound, Westbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
11/29/22	0	0	0	0	1	4	1	1	0	0	0	0	0	0	7	34	39
01:00	0	0	0	0	2	1	1	0	0	0	0	0	0	0	4	32	37
02:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	43	44
03:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	26	28
04:00	0	0	0	2	2	0	1	0	0	0	0	0	0	0	5	28	36
05:00	0	0	1	2	8	2	0	0	0	0	0	0	0	0	13	27	30
06:00	0	0	3	13	26	12	2	0	0	0	0	0	0	0	56	28	32
07:00	1	0	1	19	47	36	9	2	0	0	0	0	0	0	115	30	34
08:00	0	0	1	14	62	43	5	1	0	0	0	0	0	0	126	30	33
09:00	1	0	1	21	61	47	7	1	0	0	0	0	0	0	139	29	33
10:00	0	0	0	19	78	56	9	1	0	0	0	0	0	0	163	30	33
11:00	3	0	2	24	85	60	4	0	0	0	0	0	0	0	178	29	33
12 PM	0	0	0	19	92	65	10	1	0	0	0	0	0	0	187	30	33
13:00	1	0	0	22	93	79	13	1	0	0	0	0	0	0	209	30	33
14:00	0	0	1	19	138	86	11	0	2	0	0	0	1	0	258	30	33
15:00	1	11	37	66	75	52	5	0	0	0	0	0	0	0	247	26	31
16:00	3	2	4	23	111	97	17	5	0	0	0	0	0	0	262	30	34
17:00	0	0	2	18	101	80	14	1	0	0	0	0	0	0	216	30	33
18:00	2	0	0	18	78	54	9	1	0	0	0	0	0	0	162	30	33
19:00	1	0	1	12	54	46	7	0	0	0	0	0	0	0	121	30	33
20:00	0	0	1	9	39	24	0	2	0	0	0	0	0	0	75	29	33
21:00	0	0	0	6	25	11	1	0	0	0	0	0	0	0	43	29	32
22:00	0	0	1	2	11	5	2	0	0	0	0	0	0	0	21	29	33
23:00	0	0	0	1	0	1	0	1	0	0	0	0	0	0	3	33	42
Total	13	13	56	330	1190	861	128	19	2	0	0	0	1	0	2613		
Percent	0.5%	0.5%	2.1%	12.6%	45.5%	33.0%	4.9%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00		06:00	11:00	11:00	11:00	07:00	07:00							11:00		
Vol.	3		3	24	85	60	9	2							178		
PM Peak	16:00	15:00	15:00	15:00	14:00	16:00	16:00	16:00	14:00				14:00		16:00		
Vol.	3	11	37	66	138	97	17	5	2				1		262		
Total	13	13	56	330	1190	861	128	19	2	0	0	0	1	0	2613		
Percent	0.5%	0.5%	2.1%	12.6%	45.5%	33.0%	4.9%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 35 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2052  
Percent in Pace : 78.5%  
Number of Vehicles > 25 MPH : 2201  
Percent of Vehicles > 25 MPH : 84.2%  
Mean Speed(Average) : 29 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-077  
Tuscany Way btwn Pentlow St & Perth Ave  
34.607676, -112.350551  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2	43	53
01:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	43	44
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
05:00	0	0	0	1	5	5	6	2	1	0	0	0	0	0	20	34	40
06:00	0	0	0	0	7	12	16	9	0	0	0	0	0	0	44	36	41
07:00	0	0	0	0	6	21	28	16	1	2	0	0	0	0	74	37	42
08:00	0	0	0	2	3	18	11	9	2	1	0	0	0	0	46	36	42
09:00	0	0	0	1	14	18	31	14	1	1	0	0	0	0	80	36	41
10:00	0	0	0	0	16	24	31	11	3	1	0	0	0	0	86	36	40
11:00	0	0	0	2	9	36	29	14	1	0	0	0	0	0	91	36	40
12 PM	0	0	0	3	6	30	34	17	2	1	0	0	0	0	93	37	41
13:00	0	0	0	1	10	24	44	18	10	1	0	0	0	0	108	38	43
14:00	0	0	1	1	11	33	15	21	3	1	0	0	0	0	86	36	42
15:00	0	0	0	0	6	25	37	15	5	0	0	0	0	0	88	37	42
16:00	0	0	0	1	7	21	38	19	5	0	0	1	0	0	92	38	42
17:00	0	0	0	0	9	21	33	25	7	0	0	0	0	0	95	38	43
18:00	0	0	0	3	6	23	31	19	6	2	0	0	0	0	90	38	43
19:00	0	0	0	0	9	19	21	7	3	0	0	0	0	0	59	36	40
20:00	0	0	0	1	12	24	13	10	0	0	0	0	0	0	60	35	40
21:00	0	0	0	0	3	7	6	3	1	0	0	0	0	0	20	36	41
22:00	0	0	0	0	2	7	2	3	2	0	0	0	0	0	16	37	44
23:00	0	0	0	0	1	5	1	3	1	0	0	0	0	0	11	37	43
Total	0	0	1	16	143	375	427	236	54	11	0	1	0	0	1264		
Percent	0.0%	0.0%	0.1%	1.3%	11.3%	29.7%	33.8%	18.7%	4.3%	0.9%	0.0%	0.1%	0.0%	0.0%			
AM Peak Vol.				08:00 2	10:00 16	11:00 36	09:00 31	07:00 16	10:00 3	07:00 2					11:00 91		
PM Peak Vol.			14:00 1	12:00 3	20:00 12	14:00 33	13:00 44	17:00 25	13:00 10	18:00 2		16:00 1			13:00 108		
Total	0	0	1	16	143	375	427	236	54	11	0	1	0	0	1264		
Percent	0.0%	0.0%	0.1%	1.3%	11.3%	29.7%	33.8%	18.7%	4.3%	0.9%	0.0%	0.1%	0.0%	0.0%			

15th Percentile : 30 MPH  
50th Percentile : 36 MPH  
85th Percentile : 42 MPH  
95th Percentile : 45 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 802  
Percent in Pace : 63.4%  
Number of Vehicles > 25 MPH : 1247  
Percent of Vehicles > 25 MPH : 98.7%  
Mean Speed(Average) : 37 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 2

Site Code: Tues 05/30/23  
Station ID: 23-1225-077  
Tuscany Way btwn Pentlow St & Perth Ave  
34.607676, -112.350551  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3	35	37
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	31	38
04:00	0	0	0	0	0	2	2	0	0	0	0	0	0	0	4	36	38
05:00	0	0	0	0	3	7	7	1	0	0	0	0	0	0	18	35	38
06:00	0	0	0	1	2	14	12	5	0	1	0	0	0	0	35	36	40
07:00	0	0	0	1	11	21	12	15	2	1	0	0	0	0	63	36	42
08:00	0	0	0	3	8	21	27	13	2	2	0	0	0	0	76	36	42
09:00	0	0	0	0	11	26	28	9	4	0	0	0	0	0	78	36	40
10:00	0	0	0	3	11	30	22	13	2	1	0	0	0	0	82	36	41
11:00	0	0	0	1	5	27	36	14	2	0	0	0	0	0	85	37	41
12 PM	0	0	0	2	14	18	30	20	2	0	0	0	0	0	86	36	42
13:00	0	0	0	0	11	35	37	8	5	0	1	0	0	0	97	36	39
14:00	0	0	0	0	14	27	31	14	10	1	0	0	0	0	97	37	43
15:00	0	0	0	2	7	37	29	12	6	0	0	0	0	0	93	36	41
16:00	0	0	0	1	4	29	44	14	1	1	0	0	0	0	94	37	40
17:00	0	0	0	0	8	24	39	12	11	1	1	0	0	0	96	38	44
18:00	0	0	0	1	8	22	30	12	5	2	0	0	0	0	80	37	42
19:00	0	0	0	1	14	15	16	8	7	0	0	0	0	0	61	36	43
20:00	0	0	0	3	13	20	15	3	3	1	0	0	0	0	58	34	39
21:00	0	0	0	0	7	6	8	6	3	0	0	0	0	0	30	37	43
22:00	0	0	0	0	5	4	5	2	0	0	0	0	0	0	16	34	39
23:00	0	0	0	0	2	1	2	0	1	0	0	0	0	0	6	36	45
Total	0	0	0	20	158	388	434	181	66	11	2	0	0	0	1260		
Percent	0.0%	0.0%	0.0%	1.6%	12.5%	30.8%	34.4%	14.4%	5.2%	0.9%	0.2%	0.0%	0.0%	0.0%			
AM Peak Vol.				08:00 3	07:00 11	10:00 30	11:00 36	07:00 15	09:00 4	08:00 2					11:00 85		
PM Peak Vol.				20:00 3	12:00 14	15:00 37	16:00 44	12:00 20	17:00 11	18:00 2	13:00 1				13:00 97		
Total	0	0	0	20	158	388	434	181	66	11	2	0	0	0	1260		
Percent	0.0%	0.0%	0.0%	1.6%	12.5%	30.8%	34.4%	14.4%	5.2%	0.9%	0.2%	0.0%	0.0%	0.0%			

15th Percentile : 30 MPH  
50th Percentile : 35 MPH  
85th Percentile : 41 MPH  
95th Percentile : 46 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 822  
Percent in Pace : 65.2%  
Number of Vehicles > 25 MPH : 1240  
Percent of Vehicles > 25 MPH : 98.4%  
Mean Speed(Average) : 36 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-077  
Tuscany Way btwn Pentlow St & Perth Ave  
34.607676, -112.350551  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	0	3	1	0	0	1	0	0	0	0	5	38	51
01:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	43	44
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	1	0	1	1	0	0	0	0	0	0	0	3	31	37
04:00	0	0	0	0	1	2	2	0	0	0	0	0	0	0	5	34	38
05:00	0	0	0	1	8	12	13	3	1	0	0	0	0	0	38	35	39
06:00	0	0	0	1	9	26	28	14	0	1	0	0	0	0	79	36	41
07:00	0	0	0	1	17	42	40	31	3	3	0	0	0	0	137	37	42
08:00	0	0	0	5	11	39	38	22	4	3	0	0	0	0	122	36	42
09:00	0	0	0	1	25	44	59	23	5	1	0	0	0	0	158	36	41
10:00	0	0	0	3	27	54	53	24	5	2	0	0	0	0	168	36	41
11:00	0	0	0	3	14	63	65	28	3	0	0	0	0	0	176	36	40
12 PM	0	0	0	5	20	48	64	37	4	1	0	0	0	0	179	36	42
13:00	0	0	0	1	21	59	81	26	15	1	1	0	0	0	205	37	42
14:00	0	0	1	1	25	60	46	35	13	2	0	0	0	0	183	37	43
15:00	0	0	0	2	13	62	66	27	11	0	0	0	0	0	181	37	42
16:00	0	0	0	2	11	50	82	33	6	1	0	1	0	0	186	37	41
17:00	0	0	0	0	17	45	72	37	18	1	1	0	0	0	191	38	43
18:00	0	0	0	4	14	45	61	31	11	4	0	0	0	0	170	37	43
19:00	0	0	0	1	23	34	37	15	10	0	0	0	0	0	120	36	42
20:00	0	0	0	4	25	44	28	13	3	1	0	0	0	0	118	34	39
21:00	0	0	0	0	10	13	14	9	4	0	0	0	0	0	50	36	43
22:00	0	0	0	0	7	11	7	5	2	0	0	0	0	0	32	36	42
23:00	0	0	0	0	3	6	3	3	2	0	0	0	0	0	17	37	44
Total	0	0	1	36	301	763	861	417	120	22	2	1	0	0	2524		
Percent	0.0%	0.0%	0.0%	1.4%	11.9%	30.2%	34.1%	16.5%	4.8%	0.9%	0.1%	0.0%	0.0%	0.0%			
AM Peak				08:00	10:00	11:00	11:00	07:00	09:00	07:00					11:00		
Vol.				5	27	63	65	31	5	3					176		
PM Peak			14:00	12:00	14:00	15:00	16:00	12:00	17:00	18:00	13:00	16:00			13:00		
Vol.			1	5	25	62	82	37	18	4	1	1			205		
Total	0	0	1	36	301	763	861	417	120	22	2	1	0	0	2524		
Percent	0.0%	0.0%	0.0%	1.4%	11.9%	30.2%	34.1%	16.5%	4.8%	0.9%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 30 MPH  
50th Percentile : 35 MPH  
85th Percentile : 42 MPH  
95th Percentile : 45 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 1624  
Percent in Pace : 64.3%  
Number of Vehicles > 25 MPH : 2487  
Percent of Vehicles > 25 MPH : 98.5%  
Mean Speed(Average) : 37 MPH

## Crash Summary

### Tuscany Way - Santa Fe Loop Road to Glassford Hill Road

Data Period: 2019 - 2021

Total Crashes: 16

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3517466	5/4/2019	2:19 PM	2019	Glassford Hill Road	Tuscany Way	30	No Injury	Rear-end	Daylight	2	0	0	Yes
2	3584659	10/29/2019	9:11 AM	2019	Glassford Hill Road	Tuscany Way	0	Minor Injury	Angle	Daylight	2	2	0	
3	3585174	9/28/2019	12:31 PM	2019	Glassford Hill Road	Tuscany Way	0	Minor Injury	Head-on	Daylight	2	4	0	
4	3585201	10/7/2019	3:21 PM	2019	Glassford Hill Road	Tuscany Way	0	No Injury	Rear-end	Daylight	3	0	0	
5	3589242	8/23/2019	3:50 PM	2019	Glassford Hill Road	Tuscany Way	0	No Injury	Left Turn	Daylight	2	0	0	
6	3601255	12/12/2019	7:35 PM	2019	Glassford Hill Road	Tuscany Way	-1	No Injury	Left Turn	Dark Lighted	2	0	0	
7	3585178	10/3/2019	7:54 PM	2019	Glassford Hill Road	Tuscany Way	-30	No Injury	U-Turn	Dark Lighted	2	0	0	
8	3588974	11/15/2019	5:10 PM	2019	Glassford Hill Road	Tuscany Way	-30	No Injury	Sideswipe	Daylight	2	0	0	
9	3510570	4/27/2019	10:31 PM	2019	Tuscany Way	Santa Fe Loop Road	0	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	
10	3690244	10/2/2020	4:24 PM	2020	Glassford Hill Road	Tuscany Way	0	No Injury	Rear-end	Daylight	2	0	0	Yes
11	3647700	5/5/2020	4:21 PM	2020	Santa Fe Loop Road	Tuscany Way	0	Serious Injury	Single Vehicle	Daylight	1	1	0	Yes
12	3660052	6/17/2020	9:38 AM	2020	Tuscany Way	Santa Fe Loop Road	0	No Injury	Left Turn	Daylight	2	0	0	
13	3833605	10/26/2021	1:42 PM	2021	Glassford Hill Road	Tuscany Way	0	No Injury	Left Turn	Daylight	2	0	0	
14	3750801	4/3/2021	12:35 AM	2021	Santa Fe Loop Road	Tuscany Way	0	No Injury	Single Vehicle	Dark Not Lighted	1	0	0	
15	3758169	4/23/2021	2:17 PM	2021	Santa Fe Loop Road	Tuscany Way	0	No Injury	Angle	Daylight	2	0	0	
16	3779037	6/15/2021	3:48 PM	2021	Santa Fe Loop Road	Tuscany Way	0	No Injury	Angle	Daylight	2	0	0	



# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



**Segment Studied:** Viewpoint Drive

**From:** Skoog Boulevard

**To:** State Route 89A

**Length:** 3.1 miles

## Study Area Map - Existing Speed Limits



**Introduction:**

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

Viewpoint Drive has been divided into the following four segments to reflect different conditions along portions of the corridor:

- Segment 1: Skoog Boulevard to Long Look Drive
- Segment 2: Long Look Drive to Manley Drive
- Segment 3: Manley Drive to Roundup Drive (North Intersection)
- Segment 4: Roundup Drive to State Route 89A

**Segment 1: Skoog Boulevard to Long Look Drive**

**Roadway Characteristics:**

- Functional Classification: minor arterial
- Existing Speed Limit: 25 mph
- Mostly one lane in each direction separated by a two-way left-turn lane, widens near Long Look Drive
- Pavement width varies from about 40 to 67 feet to accommodate left- and right-turn lanes
- Slight horizontal curvature
- No curb, gutter, or sidewalk except near Long Look Drive
- No bike lanes or street lighting
- Striped edge lines create shoulders in both directions
- Viewpoint Drive was extended in March 2021 to extend as an uninterrupted corridor between Skoog Boulevard and SR 89A. The new Viewpoint Drive connection gradually changed traffic patterns in the area as drivers adjusted their routes to accommodate the new segment.

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Tuesday, May 30, 2023, a day when schools were not in session, at the following location:

- Viewpoint Drive, about 290 feet north of Skoog Boulevard



**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>290 feet north of Skoog Boulevard</i></b>			
Northbound	27 mph	29 mph	1,070
Southbound	29 mph	33 mph	2,483
Both Directions	29 mph	32 mph	3,553

- The average speed is 29 mph, above the existing 25-mph speed limit.
- The 85th-percentile speed is about 32 mph.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	1	0	0	1	0
2020	1	0	0	1	0
2021	4	2	0	6	0
<b>Total</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>8</b>	<b>0</b>

- 8 crashes were reported, an average of about 2.7 crashes per year.
- One minor injury crash and one possible injury crash were reported.
- No speed-related crashes were reported.
- The crash rate along the corridor is 685 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 171 per 100 MVM.
- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM. However, the critical crash rate is 506 per 100 MVM, and the critical injury rate is 233 per 100 MVM.
- The crash rate along the corridor is about 3 times higher than the average rate on similar roadways. The injury rate along the corridor is about 2.6 times higher than the average injury rate on similar roadways. The corridor's crash rate is about 35% higher than the critical crash rate on similar roadways, and the corridor's injury rate is about 27% lower than the critical injury rate.

**Roadside Development and Environment:**

- Zoning includes C2 – Commercial (General Sales & Services), RCU – Residential (Conditional Use Permits), and RS – Residential & Services.
- Most of the roadside is vacant.

**Speed Limit Recommendation:**

Retain the existing 25-mph speed limit, for the following reasons:

- Drivers' existing average travel speeds are above the existing 25-mph speed limit. Based only on the 85th-percentile speeds, a speed limit of 30 mph might be justifiable. However, several factors suggest that retaining the existing 25-mph speed limit would be preferable:
  - Considerable pedestrian and bicyclist activity occurs along the segment, despite the lack of continuous sidewalks. There are pedestrian generators at the Civic Center and Bob Edwards Park, and new construction is expected to increase the residential density in the area and bring additional pedestrian traffic (along with additional pedestrian amenities).
  - Crash and injury rates are considerably higher than average rates on similar roadways.
  - The length of the segment, at less than 1/3 mile, verges on too short to support a speed limit higher than adjacent segments. The segment to the north is recommended for posting at 25 mph, and a 5-mph step-up for a short segment south of Long Look Drive would complicate communicating the speed limit to motorists and complicate enforcement.
- Horizontal curvature along the segment is comfortable at 25 mph, according to ball-bank indicator readings, which peak at 10° of ball bank. No curve warning signs are necessary.

**Recommended Action Items:**

- None.

**Segment 2: Long Look Drive to Manley Drive**

**Roadway Characteristics:**

- Functional Classification: minor arterial
- Existing Speed Limit: 25 mph
- Mostly one lane in each direction separated by a double-yellow centerline or a raised median, widens near Spouse Drive and Manley Drive
- Pavement width varies from about 24 to 75 feet to accommodate left- and right-turn lanes
- Moderate horizontal curvature
- Curb, gutter, and sidewalk on both sides of the roadway mostly near Spouse Drive and Manley Drive
- No bike lanes, but paved shoulders near Manley Drive
- Street lighting at intersections on Viewpoint Drive near Spouse Drive and Manley Drive
- During Lee Engineering's field review, a portion of Segment 2 was under construction. While the street was open to traffic, the work-zone roadway surface was unpaved and not representative of typical conditions. However, observations in other areas, coupled with other available data, were able to provide a sufficient understanding of the segment as a whole.

- Viewpoint Drive was extended in March 2021 to extend as an uninterrupted corridor between Skoog Boulevard and SR 89A. The new Viewpoint Drive connection gradually changed traffic patterns in the area as drivers adjusted their routes to accommodate the new segment.

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Tuesday, May 30, 2023, a day when schools were not in session, at the following locations:

- Site A: Viewpoint Drive, about 0.28 miles north of Long Look Drive
- Site B: Viewpoint Drive, about 0.25 miles north of Spouse Drive

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 3**. Complete results are attached.

**Table 3: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>Site A: 0.28 miles north of Long Look Drive</i></b>			
Northbound	30 mph	33 mph	3,222
Southbound	28 mph	30 mph	3,143
Both Directions	29 mph	32 mph	6,365
<b><i>Site B: 0.25 miles north of Spouse Drive</i></b>			
Northbound	28 mph	30 mph	3,069
Southbound	32 mph	35 mph	2,705
Both Directions	30 mph	33 mph	5,774

- The average speed is about 30 mph, slightly above the existing 25-mph speed limit.
- The 85th-percentile speed is about 33 mph.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 4**. Complete crash data is attached.

**Table 4: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	1	0	0	1	0
2020	1	1	0	2	2
2021	11	3	0	14	2
<b>Total</b>	<b>13</b>	<b>4</b>	<b>0</b>	<b>17</b>	<b>4</b>

- 17 crashes were reported, an average of about 5.7 crashes per year.
- 2 minor injury crashes and 2 possible injury crashes were reported.
- 2 of the minor injury crashes and one of the possible injury crashes were reported as speed-related crashes.
- The crash rate along the corridor is 233 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 55 per 100 MVM.
- The average crash rate for similar roadways is 235 per 100 MVM, and the average injury rate for similar roadways is 68 per 100 MVM.
- The crash rate along the corridor is nearly identical to the average rate on similar roadways. The injury rate along the corridor is 19% lower than the average injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes R2 – Residential (Multiple Dwelling Units), and R1L – Residential (Single Family Limited).
- Single-family homes front the street.
- Half of the roadside is vacant.

**Speed Limit Recommendation:**

Retain the existing 25-mph speed limit, for the following reasons:

- The narrow pavement width and front-facing homes clearly indicate a need for a speed limit no greater than 25 mph.
- Along much of the corridor, pedestrians walking along the street have no sidewalk and must walk in the travel lane with motor vehicles; this condition is not conducive for speeds higher than 25 mph. (This condition is slowly being eliminated as wider segments of Viewpoint Drive are being constructed.)
- Horizontal curvature along the street is modest.

**Recommended Action Item:**

- On both northbound and southbound Viewpoint Drive approaches to Spouse Drive, a right lane is added slightly upstream of the intersection and this lane later transitions to become a right-turn drop lane at the intersection. Familiar drivers know not to use the right lane for through traffic, but unfamiliar drivers may enter the right lane not aware that it drops at the intersection. The town may wish to consider marking these lanes as right-turn lanes for their entire length, with right-turn arrow pavement markings near the beginning of the full-width right-turn lanes, to communicate to drivers that they should only enter these lanes if they intend to turn right at Spouse Drive.

**Segment 3: Manley Drive to Roundup Drive (North Intersection)**

**Roadway Characteristics:**

- Functional Classification: minor arterial
- Existing Speed Limit: 35 mph
- Mostly one lane in each direction separated by a double-yellow centerline or raised median, widens near Manley and Roundup Drives
- Pavement width varies from about 25 to 75 feet to accommodate left- or right-turn lanes
- Moderate horizontal curvature
- No curb, gutter, or sidewalk except near Manley and Roundup Drives
- Paved shoulders on both sides of the roadway only near Manley and Roundup Drives
- No street lighting except at intersections near Manley and Roundup Drives
- Guardrail, about ¼ mile in length, on the east side of the roadway near Roundup Drive
- Viewpoint Drive was extended in March 2021 to extend as an uninterrupted corridor between Skoog Boulevard and SR 89A. Segment 3 was not open to traffic prior to that date. The new Viewpoint Drive connection gradually changed traffic patterns in the area as drivers adjusted their routes to accommodate the new segment.

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Thursday, December 15, 2022, a day when schools were in session, at the following location:

- Viewpoint Drive, about 0.17 miles north of Manley Drive

**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 5**. Complete results are attached.

**Table 5: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>0.17 miles north of Manley Drive</i></b>			
Northbound	37 mph	39 mph	2,437
Southbound	39 mph	43 mph	1,181
Both Directions	38 mph	41 mph	3,618

- The average speed is about 38 mph, slightly above the existing 35-mph speed limit.
- The 85th-percentile speed is about 41 mph.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). However, because Segment 3 of Viewpoint Drive opened to traffic in March 2021, the crash data actually represents a little over 9 months of actual travel, which is probably not enough crash data to draw conclusions about the segment's safety performance. This is particularly true because drivers tend to adjust their travel patterns gradually, such that traffic volume on a newly opened roadway tapers up to its full value over time rather than on its first day of operation. In any case, a summary of crashes is shown in **Table 6**. Complete crash data is attached.

**Table 6: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	1	0	1	1
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>

- One crash was reported, an average of about 0.3 crashes per year.
- This minor injury crash was reported as a speed-related crash.
- Traffic volume collected in May 2022 may not be representative of traffic volume during the full crash analysis period during the last 9 months of 2021, as discussed earlier. However, if the May 2022 volumes were constant during 2021, the crash rate along the corridor would be 89 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate would also be 89 per 100 MVM.

- The average crash rate for similar roadways is 232 per 100 MVM, and the average injury rate for similar roadways is 66 per 100 MVM.
- The crash rate along the corridor is 62% lower than the average rate on similar roadways. The injury rate along the corridor is 35% higher than the average injury rate on similar roadways.

### **Roadside Development and Environment:**

- Nearby zoning is RCU – Residential (Conditional Use Permits).
- Most of the roadside is vacant.
- The lack of roadside development translates to a minimal number of driveways and intersections, which helps minimize conflicts related to turning movements.

### **Speed Limit Recommendation:**

Retain the existing 35-mph speed limit, for the following reasons:

- Based on the 85th-percentile speed of 41 mph and crash rates lower than average of typical roadways, a speed limit of 40 mph might be justifiable. However, segments immediately south and north of Segment 3 are recommended with 25-mph speed limits due to narrow pavement and the presence of front-facing homes. A speed limit higher than 35 mph in Segment 3 would cause a speed limit step-up and step-down greater than 10 mph at each end of Segment 3. Typically, when drivers encounter a change in speed limit, these changes are displayed in increments of no more than 10 mph to avoid the need for motorists to quickly adjust their travel speeds. A speed limit greater than 35 mph would call for a two-stage step-up and step-down at each end of Segment 3. The segment is just over 1 mile in length, and a two-stage step-up and step-down is not consistent with a segment this short.
- While the crash rate presented earlier is below average, it is likely that it will increase because the rate was calculated using 2022 traffic volumes but 2021 crash totals. This methodology is likely to artificially depress the crash rate because traffic volumes tend to gradually increase over time after new roadway segments are opened.
- The horizontal curvature along the roadway is comfortable at 35 mph, according to ball-bank indicator readings, which peak at 9° of ball bank. No separate curve warning signs are necessary.

### **Recommended Action Item:**

- In the southbound direction, the start of the 35-mph speed limit should be moved north to just downstream of the northernmost intersection of Roundup Drive. This is a point fully south of front-facing homes further north, and this section is more consistent with the 35-mph speed limit to the south. This would cause the first southbound SPEED LIMIT 35 sign to be about 600 feet upstream of its current location.



## Segment 4: Roundup Drive to State Route 89A

### Roadway Characteristics:

- Functional Classification: minor arterial
- Existing Speed Limit: 25 mph
- One lane in each direction mostly separated by a double-yellow centerline
- Pavement width varies from about 25 to 75 feet
- Slight horizontal curvature
- No curb, gutter, or sidewalk except near SR 89A and Roundup Drive
- Paved shoulders on both sides of the roadway only near Roundup Drive
- No street lighting along the roadway
- Viewpoint Drive was extended in March 2021 to extend as an uninterrupted corridor between Skoog Boulevard and SR 89A. The new Viewpoint Drive connection gradually changed traffic patterns in the area as drivers adjusted their routes to accommodate the new segment.

### Data Collection:

Traffic counts with speed data were recorded for a 24-hour period on Thursday, December 15, 2022, a day when schools were in session, at the following location:

- Viewpoint Drive, about 0.21 miles north of Roundup Drive

### Speed and Traffic Volume:

Speed and traffic volume are summarized in **Table 7**. Complete results are attached.

**Table 7: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>0.21 miles north of Roundup Drive</i></b>			
Northbound	33 mph	37 mph	3,034
Southbound	30 mph	33 mph	2,342
Both Directions	31 mph	35 mph	5,376

- The average speed is about 31 mph, slightly above the existing 25-mph speed limit.
- The 85th-percentile speed is about 35 mph.

**Crash Analysis:**

A summary of crashes is shown in **Table 8**. Complete crash data is attached.

**Table 8: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	3	2	0	5	1
2020	4	6	0	10	2
2021	3	1	0	4	0
<b>Total</b>	<b>10</b>	<b>9</b>	<b>0</b>	<b>19</b>	<b>3</b>

- 19 crashes were reported, an average of about 6.3 crashes per year.
- 4 minor injury crashes and 5 possible injury crashes were reported.
- One of the 5 possible injury crashes was reported as a speed-related crash.
- Of the 19 crashes, 9 occurred at the SR 89A intersection; these crashes are not generally relevant to the speed limit on Viewpoint Drive. Of the 9 injury crashes, 4 occurred at the SR 89A intersection.
- Excluding the SR 89A crashes, the crash rate along the corridor is 283 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 142 per 100 MVM.
- The average crash rate for similar roadways is 235 per 100 MVM, and the average injury rate for similar roadways is 68 per 100 MVM. However, the critical injury rate is 154 per 100 MVM.
- The crash rate along the corridor is 20% higher than the average rate on similar roadways. The injury rate along the corridor is 109% higher than the average injury rate on similar roadways, but it is about 8% lower than the critical injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R2 – Residential (Multiple Dwelling Units), RS – Residential & Services, and C2 – Commercial (General Sales & Services).
- Single-family homes front the street.
- Restaurants and medical services are near SR 89A.

**Speed Limit Recommendation:**

Retain the existing 25-mph speed limit, for the following reasons:

- The narrow pavement width and front-facing homes clearly indicate a need for a speed limit no greater than 25 mph.
- Along much of the corridor, pedestrians walking along the street have no sidewalk and must walk in the travel lane with motor vehicles; this condition is not conducive for speeds higher than 25 mph.
- Horizontal curvature along the street is modest.

**Recommended Action Items:**

- None.

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-080  
Viewpoint Dr btwn Long Look Dr & Skoog  
Blvd 34.597050, -112.335659  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	43	44
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
06:00	1	0	1	0	1	0	0	0	0	0	0	0	0	0	3	18	27
07:00	0	1	0	4	6	4	0	0	0	0	0	0	0	0	15	27	32
08:00	0	0	0	12	27	2	0	0	0	0	0	0	0	0	41	27	29
09:00	4	0	0	3	36	9	0	0	0	0	0	0	0	0	52	27	30
10:00	1	0	0	21	44	5	1	0	0	0	0	0	0	0	72	27	29
11:00	0	1	0	24	50	9	0	0	0	0	0	0	0	0	84	27	29
12 PM	0	1	0	18	61	16	0	0	1	0	0	0	0	0	97	28	30
13:00	1	0	0	20	61	9	2	1	0	0	0	0	0	0	94	28	29
14:00	4	0	0	13	56	12	0	0	1	0	0	0	0	0	86	27	30
15:00	0	0	1	29	69	12	0	0	0	0	0	0	0	0	111	27	29
16:00	6	1	0	22	77	16	1	0	0	0	0	0	0	0	123	27	29
17:00	1	0	0	20	67	17	1	0	0	0	0	0	0	0	106	28	30
18:00	0	0	0	11	45	10	1	0	0	0	0	0	0	0	67	28	30
19:00	0	0	0	13	20	6	1	0	0	0	0	0	0	0	40	27	30
20:00	0	0	1	9	10	2	0	0	0	0	0	0	0	0	22	26	29
21:00	0	0	1	13	20	4	0	0	0	0	0	0	0	0	38	27	29
22:00	0	0	0	1	9	3	1	0	0	0	0	0	0	0	14	29	33
23:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	26	28
Total	18	4	4	234	662	136	8	2	2	0	0	0	0	0	1070		
Percent	1.7%	0.4%	0.4%	21.9%	61.9%	12.7%	0.7%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	07:00	06:00	11:00	11:00	09:00	10:00	04:00							11:00		
Vol.	4	1	1	24	50	9	1	1							84		
PM Peak	16:00	12:00	15:00	15:00	16:00	17:00	13:00	13:00	12:00						16:00		
Vol.	6	1	1	29	77	17	2	1	1						123		
Total	18	4	4	234	662	136	8	2	2	0	0	0	0	0	1070		
Percent	1.7%	0.4%	0.4%	21.9%	61.9%	12.7%	0.7%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 22 MPH  
50th Percentile : 27 MPH  
85th Percentile : 29 MPH  
95th Percentile : 33 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 897  
Percent in Pace : 83.8%  
Number of Vehicles > 25 MPH : 810  
Percent of Vehicles > 25 MPH : 75.7%  
Mean Speed(Average) : 27 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-080  
Viewpoint Dr btwn Long Look Dr & Skoog  
Blvd 34.597050, -112.335659  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	21	23
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
03:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4	31	33
04:00	0	0	0	4	8	12	1	0	0	0	0	0	0	0	25	30	33
05:00	0	0	0	4	21	23	3	0	0	0	0	0	0	0	51	30	33
06:00	0	0	0	7	36	38	6	2	0	0	0	0	0	0	89	31	34
07:00	0	0	0	12	84	63	5	0	0	1	0	0	0	0	165	30	33
08:00	0	0	2	23	102	49	7	1	0	0	0	0	0	0	184	29	32
09:00	0	0	0	36	97	49	5	1	0	0	0	0	0	0	188	29	32
10:00	0	0	1	35	109	42	2	1	0	0	0	0	0	0	190	28	31
11:00	0	0	1	28	108	57	9	0	0	0	0	0	0	0	203	29	33
12 PM	0	0	3	27	98	58	7	1	0	0	0	0	0	0	194	29	33
13:00	0	0	0	25	112	49	4	0	0	0	0	0	0	0	190	29	32
14:00	0	0	1	22	78	44	12	0	0	0	0	0	0	0	157	29	33
15:00	0	0	0	20	88	58	5	1	1	0	0	0	0	0	173	30	33
16:00	0	0	0	14	80	45	10	1	1	0	0	0	0	0	151	30	33
17:00	0	0	1	16	76	57	4	1	0	0	0	0	0	0	155	30	33
18:00	0	0	0	23	80	47	6	0	0	0	0	0	0	0	156	29	33
19:00	0	0	0	17	46	21	0	0	1	0	0	0	0	0	85	28	32
20:00	0	0	2	20	34	7	0	0	0	0	0	0	0	0	63	27	29
21:00	0	0	0	11	19	5	1	0	0	0	0	0	0	0	36	27	30
22:00	0	0	1	7	9	0	0	0	0	0	0	0	0	0	17	25	28
23:00	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3	28	29
Total	0	0	13	352	1292	726	87	9	3	1	0	0	0	0	2483		
Percent	0.0%	0.0%	0.5%	14.2%	52.0%	29.2%	3.5%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak			08:00	09:00	10:00	07:00	11:00	06:00		07:00					11:00		
Vol.			2	36	109	63	9	2		1					203		
PM Peak			12:00	12:00	13:00	12:00	14:00	12:00	15:00						12:00		
Vol.			3	27	112	58	12	1	1						194		
Total	0	0	13	352	1292	726	87	9	3	1	0	0	0	0	2483		
Percent	0.0%	0.0%	0.5%	14.2%	52.0%	29.2%	3.5%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2018  
Percent in Pace : 81.3%  
Number of Vehicles > 25 MPH : 2118  
Percent of Vehicles > 25 MPH : 85.3%  
Mean Speed(Average) : 29 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-080  
Viewpoint Dr btwn Long Look Dr & Skoog  
Blvd 34.597050, -112.335659  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	21	23
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
03:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4	31	33
04:00	0	0	0	4	8	12	1	1	0	0	0	0	0	0	26	30	34
05:00	0	0	0	4	22	23	3	0	0	0	0	0	0	0	52	30	33
06:00	1	0	1	7	37	38	6	2	0	0	0	0	0	0	92	30	34
07:00	0	1	0	16	90	67	5	0	0	1	0	0	0	0	180	30	33
08:00	0	0	2	35	129	51	7	1	0	0	0	0	0	0	225	29	32
09:00	4	0	0	39	133	58	5	1	0	0	0	0	0	0	240	28	32
10:00	1	0	1	56	153	47	3	1	0	0	0	0	0	0	262	28	31
11:00	0	1	1	52	158	66	9	0	0	0	0	0	0	0	287	28	32
12 PM	0	1	3	45	159	74	7	1	1	0	0	0	0	0	291	29	32
13:00	1	0	0	45	173	58	6	1	0	0	0	0	0	0	284	28	31
14:00	4	0	1	35	134	56	12	0	1	0	0	0	0	0	243	29	32
15:00	0	0	1	49	157	70	5	1	1	0	0	0	0	0	284	29	32
16:00	6	1	0	36	157	61	11	1	1	0	0	0	0	0	274	28	32
17:00	1	0	1	36	143	74	5	1	0	0	0	0	0	0	261	29	32
18:00	0	0	0	34	125	57	7	0	0	0	0	0	0	0	223	29	32
19:00	0	0	0	30	66	27	1	0	1	0	0	0	0	0	125	28	31
20:00	0	0	3	29	44	9	0	0	0	0	0	0	0	0	85	26	29
21:00	0	0	1	24	39	9	1	0	0	0	0	0	0	0	74	27	29
22:00	0	0	1	8	18	3	1	0	0	0	0	0	0	0	31	27	29
23:00	0	0	0	1	5	0	0	0	0	0	0	0	0	0	6	27	29
Total	18	4	17	586	1954	862	95	11	5	1	0	0	0	0	3553		
Percent	0.5%	0.1%	0.5%	16.5%	55.0%	24.3%	2.7%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	07:00	08:00	10:00	11:00	07:00	11:00	06:00		07:00					11:00		
Vol.	4	1	2	56	158	67	9	2		1					287		
PM Peak	16:00	12:00	12:00	15:00	13:00	12:00	14:00	12:00	12:00						12:00		
Vol.	6	1	3	49	173	74	12	1	1						291		
Total	18	4	17	586	1954	862	95	11	5	1	0	0	0	0	3553		
Percent	0.5%	0.1%	0.5%	16.5%	55.0%	24.3%	2.7%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 27 MPH  
85th Percentile : 32 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2817  
Percent in Pace : 79.3%  
Number of Vehicles > 25 MPH : 2928  
Percent of Vehicles > 25 MPH : 82.4%  
Mean Speed(Average) : 29 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-082  
Viewpoint Dr north of Long Look Dr  
34.603990, -112.334545  
Latitude: 0' 0.0000 Undefined

## Northbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	5	1	2	0	0	0	0	0	0	0	8	31	37
01:00	0	0	0	0	4	1	0	0	0	0	0	0	0	0	5	29	31
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28	29
03:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	33	34
04:00	0	0	0	0	3	1	1	0	1	0	0	0	0	0	6	34	45
05:00	0	0	0	3	3	5	3	0	0	1	0	0	0	0	15	32	37
06:00	0	0	0	1	13	26	3	0	0	0	0	0	0	0	43	32	34
07:00	0	0	0	0	42	40	9	0	0	0	0	0	0	0	91	31	34
08:00	0	0	0	7	50	48	5	1	0	0	0	0	0	0	111	30	33
09:00	0	0	0	13	76	53	12	1	0	1	0	0	0	0	156	30	34
10:00	0	0	0	9	120	58	7	1	0	0	0	0	0	0	195	30	33
11:00	0	0	0	10	105	70	7	1	0	1	0	0	0	0	194	30	33
12 PM	0	0	1	14	134	91	8	0	0	0	0	0	0	0	248	30	33
13:00	0	0	0	17	138	77	7	1	0	0	0	0	0	0	240	30	33
14:00	0	0	0	23	117	79	12	2	0	1	0	0	0	0	234	30	33
15:00	0	0	0	20	144	101	13	0	0	0	0	0	0	0	278	30	33
16:00	0	0	0	15	177	121	11	3	0	0	0	1	0	0	328	30	33
17:00	0	0	0	9	113	143	16	0	0	0	0	0	0	0	281	31	34
18:00	0	0	0	11	103	94	13	2	0	0	0	0	0	0	223	31	34
19:00	0	0	0	12	93	60	6	0	0	0	0	0	0	0	171	30	33
20:00	0	0	0	11	71	42	8	1	0	0	0	0	0	0	133	30	33
21:00	0	0	0	14	96	64	2	0	0	0	0	0	0	0	176	30	33
22:00	0	0	0	2	23	28	6	0	0	0	0	0	0	0	59	31	34
23:00	0	0	0	0	14	9	1	0	0	0	0	0	0	0	24	30	33
Total	0	0	1	191	1645	1214	152	13	1	4	0	1	0	0	3222		
Percent	0.0%	0.0%	0.0%	5.9%	51.1%	37.7%	4.7%	0.4%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak				09:00	10:00	11:00	09:00	08:00	04:00	05:00					10:00		
Vol.				13	120	70	12	1	1	1					195		
PM Peak			12:00	14:00	16:00	17:00	17:00	16:00		14:00		16:00			16:00		
Vol.			1	23	177	143	16	3		1		1			328		
Total	0	0	1	191	1645	1214	152	13	1	4	0	1	0	0	3222		
Percent	0.0%	0.0%	0.0%	5.9%	51.1%	37.7%	4.7%	0.4%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 33 MPH  
95th Percentile : 35 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2859  
Percent in Pace : 88.7%  
Number of Vehicles > 25 MPH : 3030  
Percent of Vehicles > 25 MPH : 94.0%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-082  
Viewpoint Dr north of Long Look Dr  
34.603990, -112.334545  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	3	4	2	0	0	0	0	0	0	0	0	9	27	31
01:00	0	0	0	1	2	1	0	0	0	0	0	0	0	0	4	28	32
02:00	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3	33	34
03:00	0	0	0	0	4	3	1	0	0	0	0	0	0	0	8	31	34
04:00	0	0	0	4	20	5	0	1	0	0	0	0	0	0	30	29	31
05:00	0	0	0	8	38	18	0	0	0	0	0	0	0	0	64	29	32
06:00	0	0	0	15	83	33	1	0	1	0	0	0	0	0	133	29	32
07:00	0	0	0	39	144	44	3	0	0	1	0	0	0	0	231	28	31
08:00	0	0	0	36	184	26	1	0	0	0	0	0	0	0	247	28	29
09:00	0	0	0	64	157	32	2	0	0	0	0	0	0	0	255	27	29
10:00	0	0	0	53	152	25	0	0	0	0	1	0	0	0	231	28	29
11:00	0	0	3	57	157	16	1	0	1	0	0	0	0	0	235	27	29
12 PM	0	0	2	71	131	24	1	0	0	1	1	0	0	0	231	27	29
13:00	0	0	0	54	130	25	1	0	0	0	0	0	0	0	210	27	29
14:00	0	0	1	33	128	30	2	0	0	0	0	0	0	0	194	28	30
15:00	1	0	1	38	146	27	3	2	0	0	1	0	0	0	219	28	30
16:00	0	0	1	33	129	36	1	1	0	0	1	0	0	0	202	28	31
17:00	0	0	0	24	130	40	0	0	0	0	0	0	0	0	194	28	31
18:00	0	0	0	21	116	34	2	1	0	0	0	0	0	0	174	29	31
19:00	0	0	0	33	65	16	1	0	0	0	0	0	0	0	115	27	29
20:00	0	0	0	33	46	8	0	0	0	0	0	0	0	0	87	27	29
21:00	0	0	0	12	24	4	0	0	0	0	0	0	0	0	40	27	29
22:00	0	0	0	4	15	2	0	0	0	0	0	0	0	0	21	28	29
23:00	0	0	0	2	2	2	0	0	0	0	0	0	0	0	6	28	32
Total	1	0	8	638	2007	456	20	5	2	2	4	0	0	0	3143		
Percent	0.0%	0.0%	0.3%	20.3%	63.9%	14.5%	0.6%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%			
AM Peak			11:00	09:00	08:00	07:00	07:00	04:00	06:00	07:00	10:00				09:00		
Vol.			3	64	184	44	3	1	1	1	1				255		
PM Peak	15:00		12:00	12:00	15:00	17:00	15:00	15:00		12:00	12:00				12:00		
Vol.	1		2	71	146	40	3	2		1	1				231		
Total	1	0	8	638	2007	456	20	5	2	2	4	0	0	0	3143		
Percent	0.0%	0.0%	0.3%	20.3%	63.9%	14.5%	0.6%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 23 MPH  
50th Percentile : 27 MPH  
85th Percentile : 30 MPH  
95th Percentile : 33 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 2645  
Percent in Pace : 84.2%  
Number of Vehicles > 25 MPH : 2496  
Percent of Vehicles > 25 MPH : 79.4%  
Mean Speed(Average) : 28 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-082  
Viewpoint Dr north of Long Look Dr  
34.603990, -112.334545  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	3	9	3	2	0	0	0	0	0	0	0	17	29	34
01:00	0	0	0	1	6	2	0	0	0	0	0	0	0	0	9	29	31
02:00	0	0	0	0	1	3	0	0	0	0	0	0	0	0	4	32	34
03:00	0	0	0	0	4	5	1	0	0	0	0	0	0	0	10	32	34
04:00	0	0	0	4	23	6	1	1	1	0	0	0	0	0	36	30	33
05:00	0	0	0	11	41	23	3	0	0	1	0	0	0	0	79	29	33
06:00	0	0	0	16	96	59	4	0	1	0	0	0	0	0	176	30	33
07:00	0	0	0	39	186	84	12	0	0	1	0	0	0	0	322	29	32
08:00	0	0	0	43	234	74	6	1	0	0	0	0	0	0	358	29	31
09:00	0	0	0	77	233	85	14	1	0	1	0	0	0	0	411	29	32
10:00	0	0	0	62	272	83	7	1	0	0	1	0	0	0	426	29	31
11:00	0	0	3	67	262	86	8	1	1	1	0	0	0	0	429	28	31
12 PM	0	0	3	85	265	115	9	0	0	1	1	0	0	0	479	29	32
13:00	0	0	0	71	268	102	8	1	0	0	0	0	0	0	450	29	32
14:00	0	0	1	56	245	109	14	2	0	1	0	0	0	0	428	29	32
15:00	1	0	1	58	290	128	16	2	0	0	1	0	0	0	497	29	32
16:00	0	0	1	48	306	157	12	4	0	0	1	1	0	0	530	29	33
17:00	0	0	0	33	243	183	16	0	0	0	0	0	0	0	475	30	33
18:00	0	0	0	32	219	128	15	3	0	0	0	0	0	0	397	30	33
19:00	0	0	0	45	158	76	7	0	0	0	0	0	0	0	286	29	32
20:00	0	0	0	44	117	50	8	1	0	0	0	0	0	0	220	29	32
21:00	0	0	0	26	120	68	2	0	0	0	0	0	0	0	216	29	32
22:00	0	0	0	6	38	30	6	0	0	0	0	0	0	0	80	30	33
23:00	0	0	0	2	16	11	1	0	0	0	0	0	0	0	30	30	33
Total	1	0	9	829	3652	1670	172	18	3	6	4	1	0	0	6365		
Percent	0.0%	0.0%	0.1%	13.0%	57.4%	26.2%	2.7%	0.3%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%			
AM Peak			11:00	09:00	10:00	11:00	09:00	04:00	04:00	05:00	10:00				11:00		
Vol.			3	77	272	86	14	1	1	1	1				429		
PM Peak	15:00		12:00	12:00	16:00	17:00	15:00	16:00		12:00	12:00	16:00			16:00		
Vol.	1		3	85	306	183	16	4		1	1	1			530		
Total	1	0	9	829	3652	1670	172	18	3	6	4	1	0	0	6365		
Percent	0.0%	0.0%	0.1%	13.0%	57.4%	26.2%	2.7%	0.3%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 28 MPH  
85th Percentile : 32 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 5322  
Percent in Pace : 83.6%  
Number of Vehicles > 25 MPH : 5526  
Percent of Vehicles > 25 MPH : 86.8%  
Mean Speed(Average) : 29 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-083  
Viewpoint Dr south of Manley Dr  
34.612029, -112.330154  
Latitude: 0' 0.0000 Undefined

## Northbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	2	3	0	0	0	0	0	0	0	0	0	5	26	28
01:00	0	0	0	1	3	1	0	0	0	0	0	0	0	0	5	28	31
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	28	29
04:00	0	0	0	1	6	3	0	1	0	0	0	0	0	0	11	30	33
05:00	0	0	0	10	10	4	2	0	1	0	0	0	0	0	27	28	33
06:00	0	0	0	12	37	14	0	0	0	0	0	0	0	0	63	28	31
07:00	0	0	0	16	74	16	0	0	0	0	0	0	0	0	106	28	30
08:00	1	0	0	28	77	16	0	0	0	0	0	0	0	0	122	27	29
09:00	0	0	1	33	107	16	1	0	0	0	0	0	0	0	158	27	29
10:00	0	0	1	34	117	24	0	0	0	0	0	0	0	0	176	28	29
11:00	0	0	1	33	131	25	2	0	0	0	0	0	0	0	192	28	29
12 PM	0	0	0	32	161	30	1	0	0	0	0	0	0	0	224	28	29
13:00	1	0	2	39	157	28	2	1	0	0	0	0	0	0	230	28	29
14:00	1	0	1	43	137	36	1	0	0	0	1	0	0	0	220	28	30
15:00	0	0	2	44	173	49	0	1	0	0	0	0	0	0	269	28	30
16:00	0	2	1	46	206	46	1	0	0	1	0	0	0	0	303	28	30
17:00	0	0	0	30	177	45	3	0	0	1	0	0	0	0	256	29	31
18:00	0	0	0	28	136	40	1	0	0	0	0	1	0	0	206	29	31
19:00	0	1	0	36	98	12	0	0	0	0	0	0	0	0	147	27	29
20:00	0	0	2	31	73	13	2	0	0	0	0	0	0	0	121	27	29
21:00	0	0	0	45	85	15	0	0	0	0	0	0	0	0	145	27	29
22:00	0	0	0	18	22	11	2	0	0	0	0	0	0	0	53	28	32
23:00	0	0	0	3	16	9	0	0	0	0	0	0	0	0	28	29	32
Total	3	3	11	565	2008	453	18	3	1	2	1	1	0	0	3069		
Percent	0.1%	0.1%	0.4%	18.4%	65.4%	14.8%	0.6%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00		09:00	10:00	11:00	11:00	05:00	04:00	05:00						11:00		
Vol.	1		1	34	131	25	2	1	1						192		
PM Peak	13:00	16:00	13:00	16:00	16:00	15:00	17:00	13:00		16:00	14:00	18:00			16:00		
Vol.	1	2	2	46	206	49	3	1		1	1	1			303		
Total	3	3	11	565	2008	453	18	3	1	2	1	1	0	0	3069		
Percent	0.1%	0.1%	0.4%	18.4%	65.4%	14.8%	0.6%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 23 MPH  
50th Percentile : 27 MPH  
85th Percentile : 30 MPH  
95th Percentile : 33 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 2573  
Percent in Pace : 83.8%  
Number of Vehicles > 25 MPH : 2487  
Percent of Vehicles > 25 MPH : 81.0%  
Mean Speed(Average) : 28 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 2

Site Code: Tues 05/30/23  
Station ID: 23-1225-083  
Viewpoint Dr south of Manley Dr  
34.612029, -112.330154  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	010	1115	1620	2125	2630	3135	3640	4145	4650	5155	5660	6165	6670	7171	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	0	4	1	2	0	1	0	0	0	0	0	8	34	39
01:00	0	0	0	1	1	1	2	0	0	0	0	0	0	0	5	32	38
02:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	38	39
03:00	0	0	0	0	0	3	1	1	0	0	0	0	0	0	5	36	41
04:00	0	0	0	1	3	5	5	2	1	0	0	0	0	0	17	35	41
05:00	0	0	0	0	15	16	12	1	0	0	0	0	0	0	44	33	37
06:00	0	0	0	1	30	42	23	2	1	0	0	0	0	0	99	33	37
07:00	0	0	0	7	61	93	24	7	0	0	0	1	0	0	193	32	35
08:00	0	1	0	2	88	97	17	1	0	0	0	0	0	0	206	31	34
09:00	0	0	1	16	106	73	20	2	0	0	0	0	0	0	218	30	34
10:00	0	1	0	6	84	83	23	6	0	0	0	0	0	0	203	31	34
11:00	0	0	0	13	86	89	24	3	1	0	0	0	0	0	216	31	34
12 PM	1	0	0	12	89	80	14	5	0	1	0	0	0	0	202	31	34
13:00	0	1	0	8	54	82	11	4	0	1	0	0	0	0	161	31	34
14:00	0	1	1	4	66	89	20	3	0	0	0	0	0	0	184	32	34
15:00	0	0	0	3	81	85	25	4	0	0	0	0	0	0	198	32	34
16:00	0	0	0	4	49	95	17	5	1	0	0	0	0	0	171	32	34
17:00	0	0	0	9	55	98	25	5	1	0	0	0	0	0	193	32	35
18:00	0	0	1	5	34	66	31	5	0	0	0	0	0	0	142	33	37
19:00	0	0	0	3	32	47	15	4	0	0	0	0	0	0	101	32	36
20:00	0	0	0	3	31	33	12	3	0	0	0	0	0	0	82	32	36
21:00	0	0	0	1	7	12	4	0	0	0	0	0	0	0	24	32	35
22:00	0	1	0	0	8	10	2	1	0	0	0	0	0	0	22	31	34
23:00	0	0	0	0	3	3	2	1	0	0	0	0	0	0	9	34	39
Total	1	5	3	99	987	1203	333	65	6	2	0	1	0	0	2705		
Percent	0.0%	0.2%	0.1%	3.7%	36.5%	44.5%	12.3%	2.4%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak		08:00	09:00	09:00	09:00	08:00	07:00	07:00	00:00			07:00			09:00		
Vol.		1	1	16	106	97	24	7	1			1			218		
PM Peak	12:00	13:00	14:00	12:00	12:00	17:00	18:00	12:00	16:00	12:00					12:00		
Vol.	1	1	1	12	89	98	31	5	1	1					202		
Total	1	5	3	99	987	1203	333	65	6	2	0	1	0	0	2705		
Percent	0.0%	0.2%	0.1%	3.7%	36.5%	44.5%	12.3%	2.4%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 31 MPH  
85th Percentile : 35 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2190  
Percent in Pace : 81.0%  
Number of Vehicles > 25 MPH : 2597  
Percent of Vehicles > 25 MPH : 96.0%  
Mean Speed(Average) : 32 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-083  
Viewpoint Dr south of Manley Dr  
34.612029, -112.330154  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	010	1115	1620	2125	2630	3135	3640	4145	4650	5155	5660	6165	6670	7171	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	2	7	1	2	0	1	0	0	0	0	0	13	31	37
01:00	0	0	0	2	4	2	2	0	0	0	0	0	0	0	10	30	36
02:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	38	39
03:00	0	0	0	0	2	3	1	1	0	0	0	0	0	0	7	34	39
04:00	0	0	0	2	9	8	5	3	1	0	0	0	0	0	28	33	39
05:00	0	0	0	10	25	20	14	1	1	0	0	0	0	0	71	31	36
06:00	0	0	0	13	67	56	23	2	1	0	0	0	0	0	162	31	35
07:00	0	0	0	23	135	109	24	7	0	0	0	1	0	0	299	31	34
08:00	1	1	0	30	165	113	17	1	0	0	0	0	0	0	328	30	33
09:00	0	0	2	49	213	89	21	2	0	0	0	0	0	0	376	29	33
10:00	0	1	1	40	201	107	23	6	0	0	0	0	0	0	379	30	33
11:00	0	0	1	46	217	114	26	3	1	0	0	0	0	0	408	30	33
12 PM	1	0	0	44	250	110	15	5	0	1	0	0	0	0	426	29	33
13:00	1	1	2	47	211	110	13	5	0	1	0	0	0	0	391	29	33
14:00	1	1	2	47	203	125	21	3	0	0	1	0	0	0	404	30	33
15:00	0	0	2	47	254	134	25	5	0	0	0	0	0	0	467	30	33
16:00	0	2	1	50	255	141	18	5	1	1	0	0	0	0	474	30	33
17:00	0	0	0	39	232	143	28	5	1	1	0	0	0	0	449	30	33
18:00	0	0	1	33	170	106	32	5	0	0	0	1	0	0	348	30	34
19:00	0	1	0	39	130	59	15	4	0	0	0	0	0	0	248	29	33
20:00	0	0	2	34	104	46	14	3	0	0	0	0	0	0	203	29	33
21:00	0	0	0	46	92	27	4	0	0	0	0	0	0	0	169	28	31
22:00	0	1	0	18	30	21	4	1	0	0	0	0	0	0	75	29	33
23:00	0	0	0	3	19	12	2	1	0	0	0	0	0	0	37	30	33
Total	4	8	14	664	2995	1656	351	68	7	4	1	2	0	0	5774		
Percent	0.1%	0.1%	0.2%	11.5%	51.9%	28.7%	6.1%	1.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	09:00	09:00	11:00	11:00	11:00	07:00	00:00			07:00			11:00		
Vol.	1	1	2	49	217	114	26	7	1			1			408		
PM Peak	12:00	16:00	13:00	16:00	16:00	17:00	18:00	12:00	16:00	12:00	14:00	18:00			16:00		
Vol.	1	2	2	50	255	143	32	5	1	1	1	1			474		
Total	4	8	14	664	2995	1656	351	68	7	4	1	2	0	0	5774		
Percent	0.1%	0.1%	0.2%	11.5%	51.9%	28.7%	6.1%	1.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 37 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 4651  
Percent in Pace : 80.6%  
Number of Vehicles > 25 MPH : 5084  
Percent of Vehicles > 25 MPH : 88.0%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 12/15/22  
Station ID: 22-1620-013  
Viewpoint Dr north of Manley Dr  
34.616789, -112.327848  
Latitude: 0' 0.0000 Undefined

## Northbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
12/15/22	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	36	38
06:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	38	39
07:00	0	0	0	0	0	8	4	2	1	0	0	0	1	0	16	39	43
08:00	0	0	0	0	2	25	49	8	1	0	0	0	0	0	85	37	39
09:00	0	0	0	0	2	49	65	8	0	1	0	0	0	0	125	36	39
10:00	0	0	0	0	3	49	69	18	1	0	1	0	0	0	141	37	39
11:00	0	0	0	0	3	89	116	20	0	0	0	0	0	0	228	36	39
12 PM	0	0	0	0	6	75	116	17	5	1	0	0	0	0	220	37	39
13:00	0	0	0	0	8	70	128	25	6	0	2	0	0	0	239	37	39
14:00	0	0	0	0	3	83	144	34	4	1	1	0	0	0	270	37	39
15:00	0	0	0	0	6	113	169	43	6	0	0	0	0	0	337	37	39
16:00	0	0	0	0	6	104	184	47	10	3	0	0	0	0	354	37	40
17:00	0	0	0	0	6	83	102	23	4	0	0	0	0	0	218	37	39
18:00	0	0	0	0	3	37	44	11	0	0	0	0	0	0	95	36	39
19:00	0	0	0	0	1	16	18	3	1	0	0	0	0	0	39	36	39
20:00	0	0	0	0	3	12	16	3	0	0	0	0	0	0	34	36	39
21:00	0	0	0	0	0	7	7	2	0	0	0	0	0	0	16	36	39
22:00	0	0	0	0	2	4	2	2	0	0	0	0	0	0	10	35	41
23:00	0	0	0	0	0	0	2	1	0	1	0	0	0	0	4	43	52
Total	0	0	0	0	54	826	1239	267	39	7	4	0	1	0	2437		
Percent	0.0%	0.0%	0.0%	0.0%	2.2%	33.9%	50.8%	11.0%	1.6%	0.3%	0.2%	0.0%	0.0%	0.0%			
AM Peak					10:00	11:00	11:00	11:00	07:00	09:00	10:00		07:00		11:00		
Vol.					3	89	116	20	1	1	1		1		228		
PM Peak					13:00	15:00	16:00	16:00	16:00	16:00	13:00				16:00		
Vol.					8	113	184	47	10	3	2				354		
Total	0	0	0	0	54	826	1239	267	39	7	4	0	1	0	2437		
Percent	0.0%	0.0%	0.0%	0.0%	2.2%	33.9%	50.8%	11.0%	1.6%	0.3%	0.2%	0.0%	0.0%	0.0%			

15th Percentile : 31 MPH  
50th Percentile : 36 MPH  
85th Percentile : 39 MPH  
95th Percentile : 43 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 2065  
Percent in Pace : 84.7%  
Number of Vehicles > 35 MPH : 1557  
Percent of Vehicles > 35 MPH : 63.9%  
Mean Speed(Average) : 37 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/15/22  
Station ID: 22-1620-013  
Viewpoint Dr north of Manley Dr  
34.616789, -112.327848  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/15/22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	43	44
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
07:00	0	0	0	0	1	2	3	1	0	0	0	0	0	0	7	36	39
08:00	2	0	0	0	0	2	9	4	1	0	0	0	0	0	18	36	42
09:00	0	0	0	0	0	7	26	17	5	1	0	0	0	0	56	40	44
10:00	0	0	0	0	1	26	69	35	4	2	0	1	0	0	138	39	43
11:00	0	0	0	0	0	26	92	32	6	1	1	0	0	0	158	39	42
12 PM	0	0	0	0	0	22	99	34	9	5	0	0	0	0	169	39	43
13:00	0	0	0	0	1	32	65	28	3	2	0	0	0	0	131	38	42
14:00	0	0	0	0	2	20	74	41	10	2	0	0	0	0	149	39	43
15:00	0	0	0	0	2	20	72	57	11	2	0	0	0	0	164	40	43
16:00	0	0	0	0	2	16	72	31	2	0	0	0	0	0	123	39	42
17:00	0	0	0	0	3	9	30	13	1	0	0	0	0	0	56	38	42
18:00	0	0	0	0	0	1	2	2	0	0	0	0	0	0	5	39	43
19:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	38	39
20:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	36	38
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
22:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	2	0	0	0	12	184	618	296	52	15	1	1	0	0	1181		
Percent	0.2%	0.0%	0.0%	0.0%	1.0%	15.6%	52.3%	25.1%	4.4%	1.3%	0.1%	0.1%	0.0%	0.0%			
AM Peak	08:00				07:00	10:00	11:00	10:00	11:00	10:00	11:00	10:00			11:00		
Vol.	2				1	26	92	35	6	2	1	1			158		
PM Peak					17:00	13:00	12:00	15:00	15:00	12:00					12:00		
Vol.					3	32	99	57	11	5					169		
Total	2	0	0	0	12	184	618	296	52	15	1	1	0	0	1181		
Percent	0.2%	0.0%	0.0%	0.0%	1.0%	15.6%	52.3%	25.1%	4.4%	1.3%	0.1%	0.1%	0.0%	0.0%			

15th Percentile : 34 MPH  
50th Percentile : 38 MPH  
85th Percentile : 43 MPH  
95th Percentile : 45 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 914  
Percent in Pace : 77.4%  
Number of Vehicles > 35 MPH : 983  
Percent of Vehicles > 35 MPH : 83.2%  
Mean Speed(Average) : 39 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/15/22  
Station ID: 22-1620-013  
Viewpoint Dr north of Manley Dr  
34.616789, -112.327848  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
12/15/22	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
01:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	41	43
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
05:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	36	38
06:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	38	39
07:00	0	0	0	0	1	10	7	3	1	0	0	0	1	0	23	38	42
08:00	2	0	0	0	2	27	58	12	2	0	0	0	0	0	103	37	39
09:00	0	0	0	0	2	56	91	25	5	2	0	0	0	0	181	37	40
10:00	0	0	0	0	4	75	138	53	5	2	1	1	0	0	279	38	41
11:00	0	0	0	0	3	115	208	52	6	1	1	0	0	0	386	37	40
12 PM	0	0	0	0	6	97	215	51	14	6	0	0	0	0	389	38	41
13:00	0	0	0	0	9	102	193	53	9	2	2	0	0	0	370	38	40
14:00	0	0	0	0	5	103	218	75	14	3	1	0	0	0	419	38	42
15:00	0	0	0	0	8	133	241	100	17	2	0	0	0	0	501	38	42
16:00	0	0	0	0	8	120	256	78	12	3	0	0	0	0	477	38	41
17:00	0	0	0	0	9	92	132	36	5	0	0	0	0	0	274	37	39
18:00	0	0	0	0	3	38	46	13	0	0	0	0	0	0	100	36	39
19:00	0	0	0	0	1	16	20	3	1	0	0	0	0	0	41	36	39
20:00	0	0	0	0	3	13	17	3	0	0	0	0	0	0	36	36	39
21:00	0	0	0	0	0	7	7	2	0	0	0	0	0	0	16	36	39
22:00	0	0	0	0	2	4	3	2	0	0	0	0	0	0	11	35	40
23:00	0	0	0	0	0	0	2	1	0	1	0	0	0	0	4	43	52
Total	2	0	0	0	66	1010	1857	563	91	22	5	1	1	0	3618		
Percent	0.1%	0.0%	0.0%	0.0%	1.8%	27.9%	51.3%	15.6%	2.5%	0.6%	0.1%	0.0%	0.0%	0.0%			
AM Peak	08:00				10:00	11:00	11:00	10:00	11:00	09:00	10:00	10:00	07:00		11:00		
Vol.	2				4	115	208	53	6	2	1	1	1		386		
PM Peak					13:00	15:00	16:00	15:00	15:00	12:00	13:00				15:00		
Vol.					9	133	256	100	17	6	2				501		
Total	2	0	0	0	66	1010	1857	563	91	22	5	1	1	0	3618		
Percent	0.1%	0.0%	0.0%	0.0%	1.8%	27.9%	51.3%	15.6%	2.5%	0.6%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 32 MPH  
50th Percentile : 36 MPH  
85th Percentile : 41 MPH  
95th Percentile : 44 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 2867  
Percent in Pace : 79.2%  
Number of Vehicles > 35 MPH : 2540  
Percent of Vehicles > 35 MPH : 70.2%  
Mean Speed(Average) : 38 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Thurs 12/15/22  
Station ID: 22-1620-003  
Viewpoint Dr south of Horseshoe Ln  
34.631051, -112.330552  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/15/22	0	0	1	1	0	3	1	0	0	0	0	0	0	0	6	30	35
01:00	0	0	0	0	1	3	0	0	0	0	0	0	0	0	4	32	34
02:00	0	0	0	0	1	3	0	0	1	0	0	0	0	0	5	35	46
03:00	0	0	0	2	0	7	0	0	0	0	0	0	0	0	9	31	34
04:00	0	0	2	0	3	4	1	1	0	0	0	0	0	0	11	30	36
05:00	0	1	2	3	4	21	13	3	0	0	0	0	0	0	47	33	38
06:00	0	0	3	7	17	45	25	6	3	0	0	0	0	0	106	33	38
07:00	0	1	4	9	45	106	53	8	3	0	0	0	0	0	229	33	37
08:00	0	0	3	10	36	82	47	8	1	0	0	0	0	0	187	33	37
09:00	0	0	5	3	50	77	35	3	1	0	0	0	0	0	174	32	36
10:00	0	2	2	9	35	91	30	3	2	0	0	0	0	0	174	32	36
11:00	0	1	1	5	60	82	45	6	2	0	0	0	0	0	202	33	37
12 PM	0	1	0	6	61	76	41	7	0	0	0	0	0	0	192	32	37
13:00	0	0	3	6	61	98	36	7	2	0	0	0	0	0	213	32	36
14:00	2	0	0	9	51	107	47	13	1	0	0	0	0	0	230	33	37
15:00	0	0	3	6	52	144	64	10	2	2	0	0	0	0	283	33	37
16:00	0	1	2	5	80	135	68	4	1	1	0	0	0	0	297	33	37
17:00	0	0	1	6	52	100	52	3	2	0	0	0	0	0	216	33	37
18:00	0	0	2	4	37	68	24	8	0	0	0	0	0	0	143	33	37
19:00	0	0	2	3	34	60	8	7	2	0	0	0	0	0	116	32	34
20:00	0	0	0	4	17	37	20	4	0	0	0	0	0	0	82	33	37
21:00	0	0	0	1	16	20	12	6	0	0	0	0	0	0	55	34	39
22:00	0	0	0	3	8	20	10	4	1	1	0	0	0	0	47	34	39
23:00	0	0	0	0	0	3	2	1	0	0	0	0	0	0	6	36	40
Total	2	7	36	102	721	1392	634	112	24	4	0	0	0	0	3034		
Percent	0.1%	0.2%	1.2%	3.4%	23.8%	45.9%	20.9%	3.7%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.		10:00 2	09:00 5	08:00 10	11:00 60	07:00 106	07:00 53	07:00 8	06:00 3						07:00 229		
PM Peak Vol.	14:00 2	12:00 1	13:00 3	14:00 9	16:00 80	15:00 144	16:00 68	14:00 13	13:00 2	15:00 2					16:00 297		
Total	2	7	36	102	721	1392	634	112	24	4	0	0	0	0	3034		
Percent	0.1%	0.2%	1.2%	3.4%	23.8%	45.9%	20.9%	3.7%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 27 MPH  
50th Percentile : 32 MPH  
85th Percentile : 37 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2113  
Percent in Pace : 69.6%  
Number of Vehicles > 25 MPH : 2887  
Percent of Vehicles > 25 MPH : 95.2%  
Mean Speed(Average) : 33 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/15/22  
Station ID: 22-1620-003  
Viewpoint Dr south of Horseshoe Ln  
34.631051, -112.330552  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/15/22	0	0	0	0	3	3	0	0	1	0	0	0	0	0	7	33	34
01:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3	31	33
02:00	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3	30	32
03:00	0	0	0	0	3	0	1	0	0	0	0	0	0	0	4	30	37
04:00	0	0	0	0	4	1	0	0	0	0	0	0	0	0	5	29	31
05:00	0	0	0	1	7	7	1	1	0	0	0	0	0	0	17	31	34
06:00	1	0	0	3	30	11	2	0	0	0	0	0	0	0	47	29	32
07:00	3	0	1	9	68	21	1	0	0	0	0	0	0	0	103	28	31
08:00	0	0	0	10	65	50	5	1	0	0	0	0	0	0	131	30	33
09:00	1	1	2	5	76	56	7	0	0	0	0	0	0	0	148	30	33
10:00	0	0	0	25	93	53	9	0	0	0	0	0	0	0	180	29	33
11:00	1	0	1	9	95	55	10	1	0	0	0	0	0	0	172	30	33
12 PM	0	0	0	13	106	63	12	1	0	0	0	0	1	0	196	30	33
13:00	0	0	0	19	105	56	12	2	0	0	0	0	0	0	194	30	33
14:00	2	0	0	15	115	77	3	3	0	0	0	0	0	0	215	30	33
15:00	0	0	1	26	104	84	8	2	0	0	0	0	0	0	225	30	33
16:00	0	1	2	4	105	93	10	0	0	1	0	0	0	0	216	30	33
17:00	0	0	3	13	121	64	8	0	0	0	0	0	0	0	209	29	33
18:00	0	0	0	14	68	23	4	0	0	0	0	0	0	0	109	29	32
19:00	0	0	1	3	32	20	3	0	0	0	0	0	0	0	59	30	33
20:00	1	0	0	2	18	12	3	1	0	0	0	0	0	0	37	30	34
21:00	0	0	1	3	21	11	4	0	0	0	0	0	0	0	40	30	34
22:00	0	0	0	2	12	2	0	1	0	0	0	0	0	0	17	29	31
23:00	0	0	0	0	2	2	1	0	0	0	0	0	0	0	5	32	36
Total	9	2	12	176	1256	767	104	13	1	1	0	0	1	0	2342		
Percent	0.4%	0.1%	0.5%	7.5%	53.6%	32.7%	4.4%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	09:00	09:00	10:00	11:00	09:00	11:00	05:00	00:00						10:00		
Vol.	3	1	2	25	95	56	10	1	1						180		
PM Peak	14:00	16:00	17:00	15:00	17:00	16:00	12:00	14:00		16:00			12:00		15:00		
Vol.	2	1	3	26	121	93	12	3		1			1		225		
Total	9	2	12	176	1256	767	104	13	1	1	0	0	1	0	2342		
Percent	0.4%	0.1%	0.5%	7.5%	53.6%	32.7%	4.4%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 35 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2024  
Percent in Pace : 86.4%  
Number of Vehicles > 25 MPH : 2143  
Percent of Vehicles > 25 MPH : 91.5%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/15/22  
Station ID: 22-1620-003  
Viewpoint Dr south of Horseshoe Ln  
34.631051, -112.330552  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/15/22	0	0	1	1	3	6	1	0	1	0	0	0	0	0	13	31	35
01:00	0	0	0	0	2	5	0	0	0	0	0	0	0	0	7	32	33
02:00	0	0	0	0	3	4	0	0	1	0	0	0	0	0	8	33	34
03:00	0	0	0	2	3	7	1	0	0	0	0	0	0	0	13	31	34
04:00	0	0	2	0	7	5	1	1	0	0	0	0	0	0	16	30	34
05:00	0	1	2	4	11	28	14	4	0	0	0	0	0	0	64	32	37
06:00	1	0	3	10	47	56	27	6	3	0	0	0	0	0	153	32	37
07:00	3	1	5	18	113	127	54	8	3	0	0	0	0	0	332	31	36
08:00	0	0	3	20	101	132	52	9	1	0	0	0	0	0	318	32	36
09:00	1	1	7	8	126	133	42	3	1	0	0	0	0	0	322	31	34
10:00	0	2	2	34	128	144	39	3	2	0	0	0	0	0	354	31	34
11:00	1	1	2	14	155	137	55	7	2	0	0	0	0	0	374	31	35
12 PM	0	1	0	19	167	139	53	8	0	0	0	0	1	0	388	31	35
13:00	0	0	3	25	166	154	48	9	2	0	0	0	0	0	407	31	34
14:00	4	0	0	24	166	184	50	16	1	0	0	0	0	0	445	31	35
15:00	0	0	4	32	156	228	72	12	2	2	0	0	0	0	508	32	35
16:00	0	2	4	9	185	228	78	4	1	2	0	0	0	0	513	32	35
17:00	0	0	4	19	173	164	60	3	2	0	0	0	0	0	425	31	35
18:00	0	0	2	18	105	91	28	8	0	0	0	0	0	0	252	31	34
19:00	0	0	3	6	66	80	11	7	2	0	0	0	0	0	175	31	34
20:00	1	0	0	6	35	49	23	5	0	0	0	0	0	0	119	32	37
21:00	0	0	1	4	37	31	16	6	0	0	0	0	0	0	95	32	37
22:00	0	0	0	5	20	22	10	5	1	1	0	0	0	0	64	33	38
23:00	0	0	0	0	2	5	3	1	0	0	0	0	0	0	11	34	38
Total	11	9	48	278	1977	2159	738	125	25	5	0	0	1	0	5376		
Percent	0.2%	0.2%	0.9%	5.2%	36.8%	40.2%	13.7%	2.3%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	10:00	09:00	10:00	11:00	10:00	11:00	08:00	06:00						11:00		
Vol.	3	2	7	34	155	144	55	9	3						374		
PM Peak	14:00	16:00	15:00	15:00	16:00	15:00	16:00	14:00	13:00	15:00			12:00		16:00		
Vol.	4	2	4	32	185	228	78	16	2	2			1		513		
Total	11	9	48	278	1977	2159	738	125	25	5	0	0	1	0	5376		
Percent	0.2%	0.2%	0.9%	5.2%	36.8%	40.2%	13.7%	2.3%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 30 MPH  
85th Percentile : 35 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 4137  
Percent in Pace : 77.0%  
Number of Vehicles > 25 MPH : 5030  
Percent of Vehicles > 25 MPH : 93.6%  
Mean Speed(Average) : 31 MPH

## Crash Summary

### Segment 1: Skoog Boulevard to Long Look Drive

Data Period: 2019 - 2021

Total Crashes: 8

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3506288	3/22/2019	3:08 PM	2019	Viewpoint Drive	Long Look Drive	-200	No Injury	Angle	Daylight	2	0	0	
2	3704846	11/16/2020	2:11 PM	2020	Long Look Drive	Viewpoint Drive	0	No Injury	Angle	Daylight	2	0	0	
3	3744887	3/19/2021	10:22 AM	2021	Viewpoint Drive	Long Look Drive	0	Possible Injury	Angle	Daylight	2	2	0	
4	3747684	3/22/2021	12:39 PM	2021	Viewpoint Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
5	3770692	5/17/2021	2:53 PM	2021	Viewpoint Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
6	3771196	5/22/2021	3:37 PM	2021	Viewpoint Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
7	3788236	7/6/2021	2:34 PM	2021	Viewpoint Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
8	3788553	7/10/2021	9:26 AM	2021	Long Look Drive	Viewpoint Drive	0	Minor Injury	Angle	Daylight	2	1	0	

### Segment 2: Long Look Drive to Manley Drive

Data Period: 2019 - 2021

Total Crashes: 17

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3601249	12/17/2019	10:31 AM	2019	Viewpoint Drive	Long Look Drive	1000	No Injury	Angle	Daylight	2	0	0	
2	3688524	9/27/2020	11:22 PM	2020	Viewpoint Drive	Manley Drive	-300	Minor Injury	Single Vehicle	Dark Not Lighted	1	1	0	Yes
3	3669099	8/4/2020	11:07 AM	2020	Manley Drive	Viewpoint Drive	0	No Injury	Single Vehicle	Daylight	1	0	0	Yes
4	3744045	3/12/2021	5:18 PM	2021	Viewpoint Drive	Spouse Drive	0	Possible Injury	Angle	Daylight	2	2	0	Yes
5	3752996	3/25/2021	8:47 AM	2021	Spouse Drive	Viewpoint Drive	0	No Injury	Angle	Daylight	2	0	0	
6	3796236	7/23/2021	4:30 PM	2021	Spouse Drive	Viewpoint Drive	0	No Injury	Angle	Dusk	2	0	0	
7	3846150	12/16/2021	6:51 PM	2021	Viewpoint Drive	Spouse Drive	0	No Injury	Left Turn	Dark Lighted	2	0	0	
8	3837216	11/12/2021	9:25 AM	2021	Viewpoint Drive	Manley Drive	-0.2	No Injury	Single Vehicle	Daylight	1	0	0	
9	3722800	1/9/2021	9:48 AM	2021	Viewpoint Drive	Spouse Drive	-1000	No Injury	Angle	Daylight	2	0	0	
10	3775732	6/4/2021	5:52 AM	2021	Viewpoint Drive	Manley Drive	-200	No Injury	Sideswipe	Daylight	2	0	0	
11	3819177	9/28/2021	11:07 AM	2021	Viewpoint Drive	Spouse Drive	-1227	Minor Injury	Single Vehicle	Daylight	1	1	0	Yes
12	3791616	7/15/2021	1:05 PM	2021	Viewpoint Drive	Long Look Drive	0	No Injury	Angle	Daylight	2	0	0	
13	3801363	8/13/2021	9:48 AM	2021	Long Look Drive	Viewpoint Drive	0	Possible Injury	Angle	Daylight	2	1	0	
14	3806836	8/30/2021	4:51 PM	2021	Long Look Drive	Viewpoint Drive	0	No Injury	Angle	Daylight	2	0	0	
15	3811155	9/9/2021	3:50 PM	2021	Long Look Drive	Viewpoint Drive	0	No Injury	Left Turn	Daylight	2	0	0	
16	3824747	10/14/2021	10:20 AM	2021	Long Look Drive	Viewpoint Drive	0	No Injury	Angle	Daylight	2	0	0	
17	3830040	10/23/2021	2:40 PM	2021	Long Look Drive	Viewpoint Drive	0	No Injury	Angle	Daylight	2	0	0	

**Segment 3: Manley Drive to Roundup Drive (North Intersection)**

Data Period: 2019 - 2021

Total Crashes: 1

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3821544	9/28/2021	11:22 AM	2021	Manley Drive	Viewpoint Drive	0	Minor Injury	Single Vehicle	Daylight	1	1	0	Yes

**Segment 4: Roundup Drive to State Route 89A**

Data Period: 2019 - 2021

Total Crashes: 19

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3541462	8/6/2019	2:42 PM	2019	Viewpoint Drive	Rim Drive	348	No Injury	Single Vehicle	Daylight	1	0	0	
2	3595794	12/1/2019	9:39 PM	2019	Viewpoint Drive	Addis Avenue	150	Minor Injury	Left Turn	Dark Lighted	3	1	0	
3	3533014	5/11/2019	7:17 PM	2019	Viewpoint Drive	SR-89A	0	Possible Injury	Single Vehicle	Dusk	1	1	0	
4	3497306	2/26/2019	12:03 PM	2019	Viewpoint Drive	SR-89A	0	No Injury	Left Turn	Daylight	2	0	0	
5	3565889	10/2/2019	5:03 PM	2019	SR-89	M323A	0.28	No Injury	Rear-end	Daylight	2	0	0	Yes
6	3709464	11/30/2020	7:53 AM	2020	Viewpoint Drive	Roundup Drive	-827	Minor Injury	Sideswipe	Daylight	2	1	0	
7	3649854	5/24/2020	2:33 PM	2020	Viewpoint Drive	Horseshoe Lane	-600	Possible Injury	Single Vehicle	Daylight	1	1	0	
8	3662989	7/10/2020	4:05 PM	2020	Viewpoint Drive	Horseshoe Lane	0	No Injury	Left Turn	Daylight	2	0	0	
9	3664576	7/16/2020	9:28 PM	2020	Viewpoint Drive	Horseshoe Lane	0	No Injury	Left Turn	Dark Not Lighted	2	0	0	
10	3716462	12/16/2020	3:55 PM	2020	Viewpoint Drive	Addis Avenue	0	Possible Injury	Angle	Daylight	2	1	0	
11	3707453	11/24/2020	8:04 AM	2020	Viewpoint Drive	Addis Avenue	30	No Injury	Angle	Daylight	2	0	0	
12	3609316	1/8/2020	4:37 PM	2020	Viewpoint Drive	SR-89A	0	Minor Injury	Left Turn	Daylight	2	5	0	
13	3609641	1/9/2020	5:17 PM	2020	SR-89	Viewpoint Drive	0	No Injury	Rear-end	Dark Lighted	2	0	0	Yes
14	3662673	7/9/2020	10:37 AM	2020	Viewpoint Drive	SR-89A	-100	Possible Injury	Left Turn	Daylight	2	1	0	
15	3662986	6/28/2020	6:31 PM	2020	Viewpoint Drive	SR-89A	0	Possible Injury	Single Vehicle	Daylight	1	1	0	Yes
16	3762852	5/7/2021	12:45 PM	2021	Viewpoint Drive	Roundup Drive	300	Minor Injury	Head-on	Daylight	2	4	0	
17	3775733	6/7/2021	11:32 AM	2021	Viewpoint Drive	SR-89A	-187	No Injury	Angle	Daylight	2	0	0	
18	3747680	3/22/2021	4:00 PM	2021	Viewpoint Drive	Addis Avenue	400	No Injury	Head-on	Daylight	2	0	0	
19	3743228	3/10/2021	2:39 PM	2021	Viewpoint Drive	SR-89A	0	No Injury	Sideswipe	Daylight	2	0	0	



# SPEED LIMIT STUDY

Prescott Valley, Arizona

March 2024



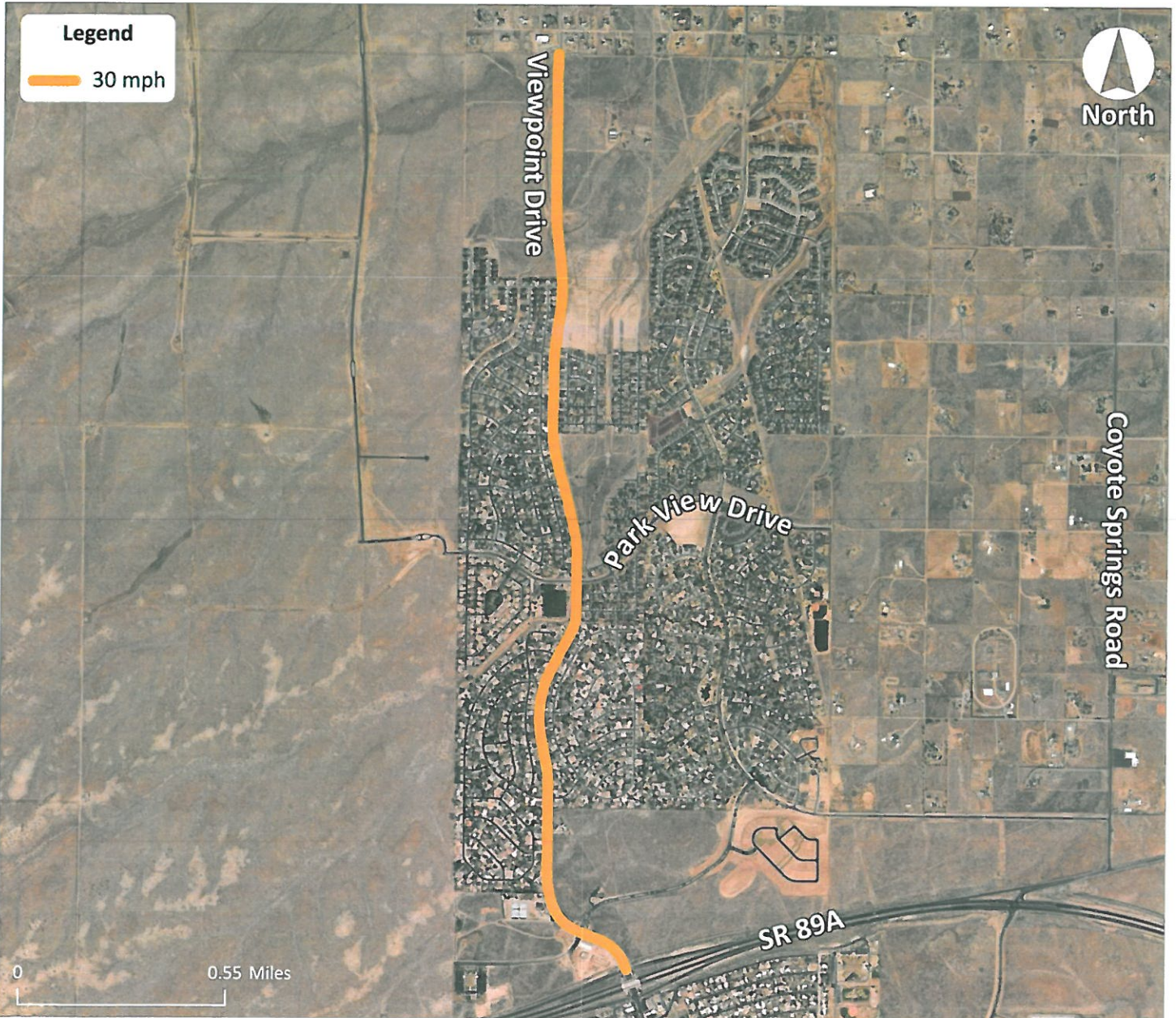
**Segment Studied:** Viewpoint Drive

**From:** State Route 89A

**To:** Town Limits

**Length:** 2.6 miles

## Study Area Map - Existing Speed Limits



**Introduction:**

Arizona Revised Statutes §28-703 allows local agencies to establish speed limits on the basis of an engineering and traffic investigation. The Town of Prescott Valley retained Lee Engineering to conduct such an investigation; this report documents the results.

**Roadway Characteristics:**

- Functional Classification: minor arterial
- Existing Speed Limit: 30 mph
- One lane in each direction mostly separated by a double-yellow centerline, widens near SR 89A
- Pavement width varies from about 25 to 100 feet to accommodate left- and right-turn lanes
- Moderate horizontal curvature
- No curb, gutter, or sidewalk except near SR 89A
- No street lighting, or bike lanes along the roadway
- White edge lines along the roadway
- Some uncontrolled crosswalks marked

**Data Collection:**

Traffic counts with speed data were recorded for a 24-hour period on Tuesday, November 15, 2022, Thursday, December 15, 2022, and Tuesday, May 30, 2023, at the following locations:

- Site A: Viewpoint Drive, about 650 feet north of State Route 89A
- Site B: Viewpoint Drive, about 430 feet south of Horizon Way
- Site C: Viewpoint Drive, about 215 feet south of Pinnacle Pass Drive
- Site D: Viewpoint Drive, about 960 feet south of Courage Butte Trail



**Speed and Traffic Volume:**

Speed and traffic volume are summarized in **Table 1**. Complete results are attached.

**Table 1: Speed and Traffic Volume Summary**

	Average Speed	85th- Percentile Speed	Daily Volume
<b><i>Site A: 650 feet north of State Route 89A</i></b>			
Northbound	28 mph	31 mph	7,355
Southbound	30 mph	34 mph	7,162
Both Directions	29 mph	33 mph	14,517
<b><i>Site B: 430 feet south of Horizon Way</i></b>			
Northbound	32 mph	37 mph	4,534
Southbound	35 mph	39 mph	3,940
Both Directions	34 mph	38 mph	8,474
<b><i>Site C: 215 feet south of Pinnacle Pass Drive</i></b>			
Northbound	36 mph	39 mph	3,791
Southbound	35 mph	38 mph	3,823
Both Directions	35 mph	39 mph	7,614
<b><i>Site D: 960 feet south of Courage Butte Trail</i></b>			
Northbound	35 mph	38 mph	1,689
Southbound	42 mph	47 mph	1,712
Both Directions	38 mph	44 mph	3,401

- Average speeds ranged from 29 to 38 mph, at and above the existing 30-mph speed limit.
- 85th-percentile speeds averaged 33 to 44 mph, with a corridor average of 39 mph.
- At Site D, there is a notable difference in speeds by direction. Northbound speeds are considerably slower than southbound speeds. The difference by direction is 7 mph in average speed and 9 mph in 85th-percentile speed.
- The highest volumes and lowest speeds are recorded in the southern end of the corridor, nearest SR 89A. Traffic volume drops and speeds increase as the street extends further north of there.

**Crash Analysis:**

Tabular crash information was obtained from the Arizona Department of Transportation (ADOT) Safety DataMart for the most recent three-year period (2019 through 2021). A summary of crashes is shown in **Table 2**. Complete crash data is attached.

**Table 2: Crash Summary**

Year	Severity			Total	Number of Speed-Related Crashes
	PDO	Injury	Fatality		
2019	2	1	0	3	1
2020	4	0	0	4	2
2021	1	2	0	3	1
<b>Total</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>10</b>	<b>4</b>

- 10 crashes were reported, an average of about 3.3 crashes per year.
- 3 minor injury crashes and 7 PDO crashes were reported.
- Of the 10 crashes, 3 occurred at the SR 89A interchange; these crashes are not generally relevant to the speed limit on Viewpoint Drive. Of the 3 injury crashes, one occurred at the SR 89A intersection.
- Excluding the SR 89A crashes, the crash rate along the corridor is 29 crashes per 100 million vehicle-miles traveled (MVM), and the injury rate is 8 per 100 MVM.
- The average crash rate for similar roadways is 263 per 100 MVM, and the average injury rate for similar roadways is 76 per 100 MVM.
- The crash rate along the corridor is 89% lower than the average rate on similar roadways. The injury rate along the corridor is also 89% lower than the average injury rate on similar roadways.

**Roadside Development and Environment:**

- Zoning includes R1L – Residential (Single Family Limited), R2 – Residential (Multiple Dwelling Units), RCU – Residential (Conditional Use Permits), R1M – Residential (Single Family Mixed), RS – Residential & Services, C2 – Commercial (General Sales & Services), and PL – Public Lands.
- Besides vacant land along the roadway, restaurants and a gas station are located near SR 89A.
- The street has excellent access management practices, with limited intersection spacing and very few driveways.

**Speed Limit Recommendation:**

Retain the existing 30-mph speed limit, for the following reasons:

- Based on the corridor speed data and the safety performance, a speed limit of 35 or 40 mph might be justifiable. However, several factors indicate retaining a speed limit of 30 mph:
  - There is no sidewalk or other pedestrian accommodation along Viewpoint Drive. Pedestrians are rare, but pedestrians would need to use the paved or unpaved gravel shoulder.
  - The separation between the travel directions is limited to a double-yellow centerline, and left-turn lanes are not provided at several intersections. As such, left-turning traffic must

stop in a through lane, which might be unexpected by following motorists. This maneuver is addressed better at 30 mph than at higher speeds.

- It is understood that a future residential project along Viewpoint Drive is proposing improvements to the roadway; it may be desirable to reevaluate the speed limit 6 to 12 months after these improvements are implemented.

**Recommended Action Items:**

- The town should consider programming construction of left-turn lanes at intersections along Viewpoint Drive. Park View Drive should be prioritized over other intersections because of its higher volume and connectivity to Antelope Meadows Drive. Such a project could be limited to intersections, or it could address the entire corridor with a continuous two-way left-turn lane. The provision of sidewalks and bike lanes would also make the street more amenable to non-motorized travelers.

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 11/15/22  
Station ID: 22-1620-002  
Viewpoint Dr south of Pronghorn Ranch  
PkwY 34.638195, -112.334713  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
11/15/22	0	0	0	1	9	11	0	0	0	0	0	0	0	0	21	30	33
01:00	0	0	0	3	3	7	0	0	0	0	0	0	0	0	13	30	33
02:00	0	0	0	0	4	3	0	0	0	0	0	0	0	0	7	30	33
03:00	0	0	0	1	3	2	0	0	0	0	0	0	0	0	6	29	32
04:00	0	0	0	0	7	2	1	0	0	0	0	0	0	0	10	30	33
05:00	0	0	0	3	20	9	0	0	1	0	0	0	0	0	33	30	32
06:00	0	0	1	20	71	18	2	0	0	0	0	0	0	0	112	28	30
07:00	0	0	2	55	142	75	1	0	0	0	0	0	0	0	275	28	32
08:00	0	0	1	34	236	96	0	0	0	0	0	0	0	0	367	29	32
09:00	0	0	2	43	212	92	4	1	0	0	0	0	0	0	354	29	32
10:00	0	1	5	51	240	104	3	0	1	0	0	0	0	0	405	29	32
11:00	0	2	10	82	307	90	9	0	0	0	0	0	0	0	500	28	31
12 PM	1	3	9	80	332	109	6	0	0	0	0	0	0	0	540	28	31
13:00	0	4	9	79	326	135	4	1	0	0	0	0	0	0	558	28	32
14:00	1	5	22	84	383	128	5	0	0	0	0	0	0	0	628	28	31
15:00	2	14	32	126	382	128	5	0	0	0	0	0	0	0	689	27	31
16:00	8	21	30	129	377	146	10	0	0	0	0	0	0	0	721	27	31
17:00	4	12	18	181	494	85	3	0	0	0	0	0	0	0	797	27	29
18:00	0	0	2	87	302	76	0	0	0	0	0	0	0	0	467	28	30
19:00	0	0	0	62	213	67	5	0	0	0	0	0	0	0	347	28	31
20:00	0	0	0	38	119	65	2	0	1	0	0	0	0	0	225	29	32
21:00	0	0	0	16	90	38	3	2	0	0	0	0	0	0	149	29	32
22:00	0	0	0	9	51	25	3	0	0	0	0	0	0	0	88	29	32
23:00	0	0	0	4	19	18	1	1	0	0	0	0	0	0	43	30	33
Total	16	62	143	1188	4342	1529	67	5	3	0	0	0	0	0	7355		
Percent	0.2%	0.8%	1.9%	16.2%	59.0%	20.8%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		11:00	11:00	11:00	11:00	10:00	11:00	09:00	05:00						11:00		
Vol.	2	10	82	307	104	9	1	1							500		
PM Peak	16:00	16:00	15:00	17:00	17:00	16:00	16:00	21:00	20:00						17:00		
Vol.	8	21	32	181	494	146	10	2	1						797		
Total	16	62	143	1188	4342	1529	67	5	3	0	0	0	0	0	7355		
Percent	0.2%	0.8%	1.9%	16.2%	59.0%	20.8%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 23 MPH  
50th Percentile : 27 MPH  
85th Percentile : 31 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 5872  
Percent in Pace : 79.8%  
Number of Vehicles > 30 MPH : 1604  
Percent of Vehicles > 30 MPH : 21.8%  
Mean Speed(Average) : 28 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 2

Site Code: Tues 11/15/22  
Station ID: 22-1620-002  
Viewpoint Dr south of Pronghorn Ranch  
Pkw 34.638195, -112.334713  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
11/15/22	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	33	34
01:00	0	0	0	0	2	2	1	0	0	0	0	0	0	0	5	32	36
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	33	34
03:00	0	0	0	2	17	4	2	0	0	0	0	0	0	0	25	29	32
04:00	0	0	0	2	24	36	0	0	0	0	0	0	0	0	62	31	33
05:00	0	0	1	11	38	72	14	2	0	0	0	0	0	0	138	31	34
06:00	0	1	0	23	99	123	24	2	0	0	0	0	0	0	272	31	34
07:00	0	1	3	45	196	162	36	2	2	0	0	0	0	0	447	30	34
08:00	1	1	5	46	184	157	33	1	0	0	0	0	0	0	428	30	34
09:00	1	0	6	60	201	155	35	0	0	0	0	0	0	0	458	30	33
10:00	2	1	8	67	200	201	32	3	0	0	0	0	0	0	514	30	33
11:00	4	1	9	70	236	193	32	1	0	1	0	0	0	0	547	29	33
12 PM	0	0	10	83	212	184	39	1	1	0	0	0	0	0	530	30	33
13:00	0	0	11	77	228	240	32	1	0	1	0	0	0	0	590	30	33
14:00	0	1	17	79	210	225	37	1	0	0	0	0	0	0	570	30	33
15:00	0	0	10	73	177	190	36	0	1	0	0	0	0	0	487	30	34
16:00	6	0	3	54	177	221	31	1	0	0	0	0	0	0	493	30	34
17:00	0	0	10	70	161	178	38	2	0	0	0	0	0	0	459	30	34
18:00	0	0	7	43	108	144	20	2	0	0	0	0	0	0	324	30	34
19:00	0	0	6	41	84	101	20	1	0	0	0	0	0	0	253	30	34
20:00	0	0	4	35	77	79	21	1	0	0	0	0	0	0	217	30	34
21:00	0	0	0	19	60	72	18	1	0	0	0	0	0	0	170	31	34
22:00	1	0	0	16	32	63	16	1	0	0	0	0	0	0	129	31	34
23:00	0	1	0	2	5	30	3	0	0	0	0	0	0	0	41	32	34
Total	15	7	110	918	2728	2835	520	23	4	2	0	0	0	0	7162		
Percent	0.2%	0.1%	1.5%	12.8%	38.1%	39.6%	7.3%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	06:00	11:00	11:00	11:00	10:00	07:00	10:00	07:00	11:00					11:00		
Vol.	4	1	9	70	236	201	36	3	2	1					547		
PM Peak	16:00	14:00	14:00	12:00	13:00	13:00	12:00	17:00	12:00	13:00					13:00		
Vol.	6	1	17	83	228	240	39	2	1	1					590		
Total	15	7	110	918	2728	2835	520	23	4	2	0	0	0	0	7162		
Percent	0.2%	0.1%	1.5%	12.8%	38.1%	39.6%	7.3%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 29 MPH  
85th Percentile : 34 MPH  
95th Percentile : 36 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 5564  
Percent in Pace : 77.7%  
Number of Vehicles > 30 MPH : 3384  
Percent of Vehicles > 30 MPH : 47.2%  
Mean Speed(Average) : 30 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 11/15/22  
Station ID: 22-1620-002  
Viewpoint Dr south of Pronghorn Ranch  
PkwY 34.638195, -112.334713  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
11/15/22	0	0	0	1	9	13	0	0	0	0	0	0	0	0	23	31	33
01:00	0	0	0	3	5	9	1	0	0	0	0	0	0	0	18	30	34
02:00	0	0	0	0	4	4	0	0	0	0	0	0	0	0	8	31	33
03:00	0	0	0	3	20	6	2	0	0	0	0	0	0	0	31	29	32
04:00	0	0	0	2	31	38	1	0	0	0	0	0	0	0	72	31	33
05:00	0	0	1	14	58	81	14	2	1	0	0	0	0	0	171	31	34
06:00	0	1	1	43	170	141	26	2	0	0	0	0	0	0	384	30	33
07:00	0	1	5	100	338	237	37	2	2	0	0	0	0	0	722	29	33
08:00	1	1	6	80	420	253	33	1	0	0	0	0	0	0	795	29	33
09:00	1	0	8	103	413	247	39	1	0	0	0	0	0	0	812	29	33
10:00	2	2	13	118	440	305	35	3	1	0	0	0	0	0	919	29	33
11:00	4	3	19	152	543	283	41	1	0	1	0	0	0	0	1047	29	32
12 PM	1	3	19	163	544	293	45	1	1	0	0	0	0	0	1070	29	33
13:00	0	4	20	156	554	375	36	2	0	1	0	0	0	0	1148	29	33
14:00	1	6	39	163	593	353	42	1	0	0	0	0	0	0	1198	29	33
15:00	2	14	42	199	559	318	41	0	1	0	0	0	0	0	1176	28	32
16:00	14	21	33	183	554	367	41	1	0	0	0	0	0	0	1214	28	33
17:00	4	12	28	251	655	263	41	2	0	0	0	0	0	0	1256	28	32
18:00	0	0	9	130	410	220	20	2	0	0	0	0	0	0	791	29	32
19:00	0	0	6	103	297	168	25	1	0	0	0	0	0	0	600	29	33
20:00	0	0	4	73	196	144	23	1	1	0	0	0	0	0	442	29	33
21:00	0	0	0	35	150	110	21	3	0	0	0	0	0	0	319	30	33
22:00	1	0	0	25	83	88	19	1	0	0	0	0	0	0	217	30	34
23:00	0	1	0	6	24	48	4	1	0	0	0	0	0	0	84	31	34
Total	31	69	253	2106	7070	4364	587	28	7	2	0	0	0	0	14517		
Percent	0.2%	0.5%	1.7%	14.5%	48.7%	30.1%	4.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	11:00	11:00	11:00	10:00	11:00	10:00	07:00	11:00					11:00		
Vol.	4	3	19	152	543	305	41	3	2	1					1047		
PM Peak	16:00	16:00	15:00	17:00	17:00	13:00	12:00	21:00	12:00	13:00					17:00		
Vol.	14	21	42	251	655	375	45	3	1	1					1256		
Total	31	69	253	2106	7070	4364	587	28	7	2	0	0	0	0	14517		
Percent	0.2%	0.5%	1.7%	14.5%	48.7%	30.1%	4.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 28 MPH  
85th Percentile : 33 MPH  
95th Percentile : 34 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 11436  
Percent in Pace : 78.8%  
Number of Vehicles > 30 MPH : 4988  
Percent of Vehicles > 30 MPH : 34.4%  
Mean Speed(Average) : 29 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/15/22  
Station ID: 22-1620-001  
Viewpoint Dr north of Pronghorn Ranch  
PkwY 34.642605, -112.337568  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/15/22	0	0	0	0	0	4	4	4	1	0	0	0	0	0	13	39	43
01:00	0	0	0	0	0	1	11	2	0	0	0	0	0	0	14	38	39
02:00	0	0	0	0	0	1	2	0	0	0	0	0	0	0	3	36	38
03:00	0	0	0	0	0	0	0	3	1	0	0	0	0	0	4	44	47
04:00	0	0	0	0	0	2	0	1	0	0	1	0	0	0	4	42	57
05:00	0	0	0	0	2	2	6	2	0	0	0	0	0	0	12	36	40
06:00	0	0	0	0	6	10	14	3	1	0	1	0	0	0	35	36	39
07:00	1	0	0	2	35	58	26	6	0	1	0	0	0	0	129	33	37
08:00	8	0	5	0	19	104	51	4	0	1	0	0	0	0	192	33	37
09:00	6	0	0	4	32	98	52	2	2	0	0	0	0	0	196	33	37
10:00	4	1	0	8	38	122	42	11	0	1	0	0	0	0	227	33	37
11:00	1	1	4	14	92	124	51	7	1	0	0	0	0	0	295	32	36
12 PM	0	0	1	15	86	148	52	8	1	0	1	0	0	0	312	32	36
13:00	2	2	7	23	92	130	62	9	0	0	0	0	0	0	327	32	36
14:00	0	0	4	44	104	166	47	8	0	0	0	0	0	0	373	31	34
15:00	0	0	2	14	178	207	69	12	0	0	0	0	0	0	482	32	35
16:00	1	1	2	58	198	209	57	12	2	0	0	0	0	0	540	31	34
17:00	0	4	6	24	142	208	61	11	1	0	0	0	0	0	457	31	35
18:00	1	0	0	9	46	126	73	20	1	0	0	0	0	0	276	34	38
19:00	1	0	0	7	47	131	54	13	2	0	0	0	0	0	255	33	37
20:00	0	0	0	0	40	69	66	12	4	0	0	0	0	0	191	35	39
21:00	0	0	0	1	13	47	31	17	3	0	0	0	0	0	112	36	40
22:00	0	0	0	0	5	18	24	6	1	0	0	0	0	0	54	36	39
23:00	0	0	0	0	2	9	16	4	0	0	0	0	0	0	31	37	39
Total	25	9	31	223	1177	1994	871	177	21	3	3	0	0	0	4534		
Percent	0.6%	0.2%	0.7%	4.9%	26.0%	44.0%	19.2%	3.9%	0.5%	0.1%	0.1%	0.0%	0.0%	0.0%			
AM Peak	08:00	10:00	08:00	11:00	11:00	11:00	09:00	10:00	09:00	07:00	04:00				11:00		
Vol.	8	1	5	14	92	124	52	11	2	1	1				295		
PM Peak	13:00	17:00	13:00	16:00	16:00	16:00	18:00	18:00	20:00		12:00				16:00		
Vol.	2	4	7	58	198	209	73	20	4		1				540		
Total	25	9	31	223	1177	1994	871	177	21	3	3	0	0	0	4534		
Percent	0.6%	0.2%	0.7%	4.9%	26.0%	44.0%	19.2%	3.9%	0.5%	0.1%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH  
50th Percentile : 32 MPH  
85th Percentile : 37 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3173  
Percent in Pace : 70.0%  
Number of Vehicles > 30 MPH : 3069  
Percent of Vehicles > 30 MPH : 67.7%  
Mean Speed(Average) : 32 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Thurs 12/15/22  
Station ID: 22-1620-001  
Viewpoint Dr north of Pronghorn Ranch  
PkwY 34.642605, -112.337568  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/15/22	0	0	0	0	0	2	0	0	1	0	0	0	0	0	3	38	47
01:00	0	0	0	0	1	0	2	2	0	0	0	0	0	0	5	38	43
02:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	36	38
03:00	0	0	0	0	1	5	4	4	0	0	0	0	0	0	14	37	42
04:00	0	0	0	0	1	9	15	8	3	0	0	0	0	0	36	38	43
05:00	0	0	0	2	1	42	32	15	1	0	0	0	0	0	93	36	40
06:00	0	0	0	1	8	100	98	14	2	0	0	0	0	0	223	36	39
07:00	1	0	0	2	34	255	154	21	0	0	0	0	0	0	467	35	38
08:00	0	0	0	0	14	153	134	18	0	0	0	0	0	0	319	35	38
09:00	0	0	0	0	18	144	111	26	3	1	1	0	0	0	304	36	39
10:00	0	0	0	4	33	146	123	23	3	1	1	1	0	0	335	35	39
11:00	0	0	0	0	22	145	111	27	5	0	0	0	0	0	310	36	39
12 PM	0	0	0	0	34	141	85	18	4	0	0	0	0	0	282	35	38
13:00	0	2	0	1	19	128	96	24	3	0	0	0	0	0	273	35	39
14:00	1	0	0	0	17	112	105	22	3	1	1	1	1	0	264	36	39
15:00	0	0	0	0	17	111	98	16	5	0	0	0	0	0	247	36	39
16:00	0	0	0	0	12	95	87	17	4	1	1	0	1	0	218	36	39
17:00	0	0	0	2	21	101	77	16	4	0	0	0	0	0	221	35	39
18:00	0	0	0	1	11	63	48	8	1	0	0	0	0	0	132	35	38
19:00	0	0	0	1	8	31	26	4	0	0	0	0	0	0	70	35	38
20:00	0	0	0	2	2	27	14	5	0	0	0	0	0	0	50	35	39
21:00	0	0	0	0	5	16	14	6	2	0	0	0	0	0	43	36	41
22:00	0	0	0	0	1	6	7	4	0	0	0	0	0	0	18	37	41
23:00	0	0	0	0	3	2	4	2	0	0	0	0	0	0	11	35	40
Total	2	2	0	16	283	1835	1446	300	44	4	4	2	2	0	3940		
Percent	0.1%	0.1%	0.0%	0.4%	7.2%	46.6%	36.7%	7.6%	1.1%	0.1%	0.1%	0.1%	0.1%	0.0%			
AM Peak	07:00			10:00	07:00	07:00	07:00	11:00	11:00	09:00	09:00	10:00			07:00		
Vol.	1			4	34	255	154	27	5	1	1	1			467		
PM Peak	14:00	13:00		17:00	12:00	12:00	14:00	13:00	15:00	14:00	14:00	14:00	14:00		12:00		
Vol.	1	2		2	34	141	105	24	5	1	1	1	1		282		
Total	2	2	0	16	283	1835	1446	300	44	4	4	2	2	0	3940		
Percent	0.1%	0.1%	0.0%	0.4%	7.2%	46.6%	36.7%	7.6%	1.1%	0.1%	0.1%	0.1%	0.1%	0.0%			

15th Percentile : 30 MPH  
50th Percentile : 34 MPH  
85th Percentile : 39 MPH  
95th Percentile : 42 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 3281  
Percent in Pace : 83.3%  
Number of Vehicles > 30 MPH : 3637  
Percent of Vehicles > 30 MPH : 92.3%  
Mean Speed(Average) : 35 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 3

Site Code: Thurs 12/15/22  
Station ID: 22-1620-001  
Viewpoint Dr north of Pronghorn Ranch  
PkwY 34.642605, -112.337568  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0 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	Total	Average (Mean)	85th Percent
12/15/22	0	0	0	0	0	6	4	4	2	0	0	0	0	0	16	39	44
01:00	0	0	0	0	1	1	13	4	0	0	0	0	0	0	19	38	41
02:00	0	0	0	0	0	2	3	0	0	0	0	0	0	0	5	36	38
03:00	0	0	0	0	1	5	4	7	1	0	0	0	0	0	18	39	43
04:00	0	0	0	0	1	11	15	9	3	0	1	0	0	0	40	39	43
05:00	0	0	0	2	3	44	38	17	1	0	0	0	0	0	105	36	40
06:00	0	0	0	1	14	110	112	17	3	0	1	0	0	0	258	36	39
07:00	2	0	0	4	69	313	180	27	0	1	0	0	0	0	596	34	38
08:00	8	0	5	0	33	257	185	22	0	1	0	0	0	0	511	34	38
09:00	6	0	0	4	50	242	163	28	5	1	1	0	0	0	500	35	38
10:00	4	1	0	12	71	268	165	34	3	2	1	1	0	0	562	34	38
11:00	1	1	4	14	114	269	162	34	6	0	0	0	0	0	605	34	38
12 PM	0	0	1	15	120	289	137	26	5	0	1	0	0	0	594	33	37
13:00	2	4	7	24	111	258	158	33	3	0	0	0	0	0	600	33	38
14:00	1	0	4	44	121	278	152	30	3	1	1	1	1	0	637	33	38
15:00	0	0	2	14	195	318	167	28	5	0	0	0	0	0	729	33	37
16:00	1	1	2	58	210	304	144	29	6	1	1	0	1	0	758	32	37
17:00	0	4	6	26	163	309	138	27	5	0	0	0	0	0	678	33	37
18:00	1	0	0	10	57	189	121	28	2	0	0	0	0	0	408	34	38
19:00	1	0	0	8	55	162	80	17	2	0	0	0	0	0	325	34	38
20:00	0	0	0	2	42	96	80	17	4	0	0	0	0	0	241	35	39
21:00	0	0	0	1	18	63	45	23	5	0	0	0	0	0	155	36	41
22:00	0	0	0	0	6	24	31	10	1	0	0	0	0	0	72	36	40
23:00	0	0	0	0	5	11	20	6	0	0	0	0	0	0	42	36	39
Total	27	11	31	239	1460	3829	2317	477	65	7	7	2	2	0	8474		
Percent	0.3%	0.1%	0.4%	2.8%	17.2%	45.2%	27.3%	5.6%	0.8%	0.1%	0.1%	0.0%	0.0%	0.0%			
AM Peak	08:00	10:00	08:00	11:00	11:00	07:00	08:00	10:00	11:00	10:00	04:00	10:00			11:00		
Vol.	8	1	5	14	114	313	185	34	6	2	1	1			605		
PM Peak	13:00	13:00	13:00	16:00	16:00	15:00	15:00	13:00	16:00	14:00	12:00	14:00	14:00		16:00		
Vol.	2	4	7	58	210	318	167	33	6	1	1	1	1		758		
Total	27	11	31	239	1460	3829	2317	477	65	7	7	2	2	0	8474		
Percent	0.3%	0.1%	0.4%	2.8%	17.2%	45.2%	27.3%	5.6%	0.8%	0.1%	0.1%	0.0%	0.0%	0.0%			

15th Percentile : 28 MPH  
50th Percentile : 33 MPH  
85th Percentile : 38 MPH  
95th Percentile : 41 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 6148  
Percent in Pace : 72.6%  
Number of Vehicles > 30 MPH : 6706  
Percent of Vehicles > 30 MPH : 79.1%  
Mean Speed(Average) : 34 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-095  
Viewpoint Dr just south of Pinnacle Pass  
Dr 34.648717, -112.337513  
Latitude: 0' 0.0000 Undefined

## Northbound

Start Time	0 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	Total	Average (Mean)	85th Percent
05/30/23	0	0	0	0	1	1	2	5	2	0	1	0	0	0	12	42	47
01:00	0	0	0	0	0	1	4	2	0	0	0	0	0	0	7	39	42
02:00	0	0	0	1	0	0	1	2	0	0	0	0	0	0	4	37	43
03:00	0	0	0	0	0	1	1	1	0	0	0	0	0	0	3	38	42
04:00	0	0	0	0	0	1	2	0	1	0	0	0	0	0	4	39	47
05:00	0	0	0	0	2	4	8	4	0	1	0	0	0	0	19	38	42
06:00	0	0	0	0	6	16	24	10	4	0	0	0	0	0	60	37	42
07:00	0	0	1	0	3	40	54	20	2	1	0	0	0	0	121	37	41
08:00	0	0	0	2	2	71	64	17	3	0	0	0	1	0	160	36	39
09:00	1	0	0	0	17	73	64	19	8	0	0	0	0	0	182	36	39
10:00	0	0	1	0	27	98	60	11	5	0	0	0	0	0	202	35	38
11:00	0	0	0	0	14	123	101	18	2	1	0	0	1	0	260	36	39
12 PM	0	0	0	2	28	142	89	17	3	1	0	0	0	0	282	35	38
13:00	0	0	0	0	9	109	109	43	3	1	0	0	0	0	274	37	40
14:00	1	0	0	1	39	132	97	17	1	0	0	0	1	0	289	35	38
15:00	0	0	0	1	21	158	132	23	4	1	0	0	0	0	340	36	39
16:00	0	0	0	3	50	184	143	21	2	2	0	0	0	0	405	35	38
17:00	0	0	0	7	30	159	143	29	4	1	1	0	1	0	375	35	39
18:00	0	0	0	1	12	107	110	33	3	0	0	0	0	0	266	36	39
19:00	0	0	0	3	15	75	67	18	2	0	0	0	0	0	180	35	39
20:00	0	0	0	0	15	62	50	13	2	0	0	0	0	0	142	35	39
21:00	0	0	0	2	4	52	53	13	0	1	0	0	0	0	125	36	39
22:00	0	0	0	2	2	10	26	5	3	0	3	0	0	0	51	38	43
23:00	0	0	0	0	0	7	13	6	1	0	0	1	0	0	28	39	43
Total	2	0	2	25	297	1626	1417	347	55	10	5	1	4	0	3791		
Percent	0.1%	0.0%	0.1%	0.7%	7.8%	42.9%	37.4%	9.2%	1.5%	0.3%	0.1%	0.0%	0.1%	0.0%			
AM Peak	09:00		07:00	08:00	10:00	11:00	11:00	07:00	09:00	05:00	00:00		08:00		11:00		
Vol.	1		1	2	27	123	101	20	8	1	1		1		260		
PM Peak	14:00			17:00	16:00	16:00	16:00	13:00	15:00	16:00	22:00	23:00	14:00		16:00		
Vol.	1			7	50	184	143	43	4	2	3	1	1		405		
Total	2	0	2	25	297	1626	1417	347	55	10	5	1	4	0	3791		
Percent	0.1%	0.0%	0.1%	0.7%	7.8%	42.9%	37.4%	9.2%	1.5%	0.3%	0.1%	0.0%	0.1%	0.0%			

15th Percentile : 30 MPH  
50th Percentile : 34 MPH  
85th Percentile : 39 MPH  
95th Percentile : 43 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 3043  
Percent in Pace : 80.3%  
Number of Vehicles > 30 MPH : 3465  
Percent of Vehicles > 30 MPH : 91.4%  
Mean Speed(Average) : 36 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-095  
Viewpoint Dr just south of Pinnacle Pass  
Dr 34.648717, -112.337513  
Latitude: 0' 0.0000 Undefined

## Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	38	39
01:00	0	0	0	0	2	2	3	0	0	1	0	0	0	0	8	36	39
02:00	0	0	0	0	1	1	1	1	0	0	0	0	0	0	4	35	42
03:00	0	0	0	0	0	6	6	0	0	0	0	1	0	0	13	38	39
04:00	0	0	0	0	8	16	14	0	2	0	0	0	0	0	40	34	38
05:00	0	0	0	3	12	50	57	11	0	1	0	0	0	0	134	35	39
06:00	0	0	0	4	22	102	106	13	1	0	0	0	0	0	248	35	38
07:00	0	0	0	0	31	191	174	25	3	0	0	0	0	0	424	35	38
08:00	0	0	0	6	33	145	120	17	0	0	0	0	0	0	321	35	38
09:00	0	1	0	3	28	172	93	13	1	0	0	0	0	0	311	34	38
10:00	0	0	0	2	38	139	88	19	4	0	0	0	0	0	290	35	38
11:00	0	0	0	2	29	150	82	18	1	0	0	0	1	0	283	35	38
12 PM	0	0	0	3	32	106	80	16	2	0	0	0	0	0	239	35	38
13:00	0	0	0	2	21	98	85	14	1	0	0	0	0	0	221	35	38
14:00	0	1	0	1	23	104	77	26	1	0	0	0	1	0	234	35	39
15:00	0	0	0	2	28	94	70	24	2	1	0	0	0	0	221	35	39
16:00	0	1	0	1	16	95	88	9	1	0	1	0	0	0	212	35	38
17:00	0	0	0	3	24	100	79	6	1	0	0	1	0	0	214	35	38
18:00	0	0	3	1	19	64	60	17	1	0	0	0	0	0	165	35	39
19:00	0	0	0	3	20	52	29	10	0	0	0	0	0	0	114	34	38
20:00	0	0	0	1	5	25	33	1	1	0	1	0	0	0	67	36	38
21:00	0	0	0	0	10	13	5	3	0	0	0	0	0	0	31	33	38
22:00	0	0	0	1	1	3	6	3	0	0	0	0	0	0	14	36	41
23:00	0	0	0	1	0	4	6	1	1	0	0	0	0	0	13	36	40
Total	0	3	3	39	403	1732	1364	247	23	3	2	2	2	0	3823		
Percent	0.0%	0.1%	0.1%	1.0%	10.5%	45.3%	35.7%	6.5%	0.6%	0.1%	0.1%	0.1%	0.1%	0.0%			
AM Peak		09:00		08:00	10:00	07:00	07:00	07:00	10:00	01:00		03:00	11:00		07:00		
Vol.		1		6	38	191	174	25	4	1		1	1		424		
PM Peak		14:00	18:00	12:00	12:00	12:00	16:00	14:00	12:00	15:00	16:00	17:00	14:00		12:00		
Vol.		1	3	3	32	106	88	26	2	1	1	1	1		239		
Total	0	3	3	39	403	1732	1364	247	23	3	2	2	2	0	3823		
Percent	0.0%	0.1%	0.1%	1.0%	10.5%	45.3%	35.7%	6.5%	0.6%	0.1%	0.1%	0.1%	0.1%	0.0%			

15th Percentile : 30 MPH  
50th Percentile : 34 MPH  
85th Percentile : 38 MPH  
95th Percentile : 41 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 3096  
Percent in Pace : 81.0%  
Number of Vehicles > 30 MPH : 3375  
Percent of Vehicles > 30 MPH : 88.3%  
Mean Speed(Average) : 35 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-095  
Viewpoint Dr just south of Pinnacle Pass  
Dr 34.648717, -112.337513  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start Time	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	1	1	4	5	2	0	1	0	0	0	14	42	47
01:00	0	0	0	0	2	3	7	2	0	1	0	0	0	0	15	37	41
02:00	0	0	0	1	1	1	2	3	0	0	0	0	0	0	8	36	43
03:00	0	0	0	0	0	7	7	1	0	0	0	1	0	0	16	38	39
04:00	0	0	0	0	8	17	16	0	3	0	0	0	0	0	44	35	38
05:00	0	0	0	3	14	54	65	15	0	2	0	0	0	0	153	36	39
06:00	0	0	0	4	28	118	130	23	5	0	0	0	0	0	308	36	39
07:00	0	0	1	0	34	231	228	45	5	1	0	0	0	0	545	36	39
08:00	0	0	0	8	35	216	184	34	3	0	0	0	1	0	481	35	39
09:00	1	1	0	3	45	245	157	32	9	0	0	0	0	0	493	35	38
10:00	0	0	1	2	65	237	148	30	9	0	0	0	0	0	492	35	38
11:00	0	0	0	2	43	273	183	36	3	1	0	0	2	0	543	35	38
12 PM	0	0	0	5	60	248	169	33	5	1	0	0	0	0	521	35	38
13:00	0	0	0	2	30	207	194	57	4	1	0	0	0	0	495	36	39
14:00	1	1	0	2	62	236	174	43	2	0	0	0	2	0	523	35	39
15:00	0	0	0	3	49	252	202	47	6	2	0	0	0	0	561	35	39
16:00	0	1	0	4	66	279	231	30	3	2	1	0	0	0	617	35	38
17:00	0	0	0	10	54	259	222	35	5	1	1	1	1	0	589	35	39
18:00	0	0	3	2	31	171	170	50	4	0	0	0	0	0	431	36	39
19:00	0	0	0	6	35	127	96	28	2	0	0	0	0	0	294	35	39
20:00	0	0	0	1	20	87	83	14	3	0	1	0	0	0	209	35	39
21:00	0	0	0	2	14	65	58	16	0	1	0	0	0	0	156	35	39
22:00	0	0	0	3	3	13	32	8	3	0	3	0	0	0	65	38	42
23:00	0	0	0	1	0	11	19	7	2	0	0	1	0	0	41	38	42
Total	2	3	5	64	700	3358	2781	594	78	13	7	3	6	0	7614		
Percent	0.0%	0.0%	0.1%	0.8%	9.2%	44.1%	36.5%	7.8%	1.0%	0.2%	0.1%	0.0%	0.1%	0.0%			
AM Peak	09:00	09:00	07:00	08:00	10:00	11:00	07:00	07:00	09:00	05:00	00:00	03:00	11:00		07:00		
Vol.	1	1	1	8	65	273	228	45	9	2	1	1	2		545		
PM Peak	14:00	14:00	18:00	17:00	16:00	16:00	16:00	13:00	15:00	15:00	22:00	17:00	14:00		16:00		
Vol.	1	1	3	10	66	279	231	57	6	2	3	1	2		617		
Total	2	3	5	64	700	3358	2781	594	78	13	7	3	6	0	7614		
Percent	0.0%	0.0%	0.1%	0.8%	9.2%	44.1%	36.5%	7.8%	1.0%	0.2%	0.1%	0.0%	0.1%	0.0%			

15th Percentile : 30 MPH  
50th Percentile : 34 MPH  
85th Percentile : 39 MPH  
95th Percentile : 42 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 6139  
Percent in Pace : 80.6%  
Number of Vehicles > 30 MPH : 6840  
Percent of Vehicles > 30 MPH : 89.8%  
Mean Speed(Average) : 35 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Page 1

Site Code: Tues 05/30/23  
Station ID: 23-1225-093  
Viewpoint Dr btwn Courage Butte Trail &  
Shortcut Pass 34.660813, -112.337493  
Latitude: 0' 0.0000 Undefined

## Northbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	0	0	2	1	0	1	0	0	0	0	4	43	52
01:00	0	0	0	0	0	2	2	0	0	0	0	0	0	0	4	36	38
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23	24
03:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	53	54
04:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	39
05:00	0	0	0	0	3	3	2	3	0	0	0	0	0	0	11	35	42
06:00	0	0	0	0	6	9	7	2	0	0	0	0	0	0	24	34	38
07:00	0	0	0	1	3	21	19	12	2	0	0	0	0	0	58	37	42
08:00	0	0	1	0	7	36	23	4	1	0	0	0	0	0	72	35	38
09:00	0	0	0	0	14	45	22	9	2	0	0	0	0	0	92	35	39
10:00	3	0	0	0	14	46	17	4	0	0	0	0	0	0	84	33	37
11:00	0	0	0	0	10	64	19	9	2	0	0	0	0	0	104	35	38
12 PM	0	0	0	0	11	66	40	4	1	0	0	0	0	0	122	35	38
13:00	0	0	0	0	9	60	34	9	1	0	0	0	0	0	113	35	38
14:00	0	0	0	0	21	73	30	2	1	0	0	0	0	0	127	34	37
15:00	0	0	0	1	19	77	50	10	1	0	0	0	0	0	158	35	38
16:00	0	0	0	0	26	107	48	11	2	0	0	0	0	0	194	34	38
17:00	0	0	0	0	18	86	51	6	0	0	0	0	0	0	161	34	38
18:00	0	0	0	0	6	75	36	7	1	0	0	0	0	0	125	35	38
19:00	0	0	0	0	16	46	19	3	0	0	0	0	0	0	84	34	37
20:00	0	0	0	1	11	21	23	4	0	0	0	0	0	0	60	35	38
21:00	0	0	0	0	3	31	13	0	1	0	0	0	0	0	48	34	37
22:00	0	0	0	0	0	9	11	3	1	3	0	0	0	0	27	39	44
23:00	0	0	0	0	0	6	6	2	0	0	0	0	0	0	14	37	39
Total	3	0	1	4	197	883	475	105	16	5	0	0	0	0	1689		
Percent	0.2%	0.0%	0.1%	0.2%	11.7%	52.3%	28.1%	6.2%	0.9%	0.3%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00		08:00	02:00	09:00	11:00	08:00	07:00	07:00	00:00					11:00		
Vol.	3		1	1	14	64	23	12	2	1					104		
PM Peak				15:00	16:00	16:00	17:00	16:00	16:00	22:00					16:00		
Vol.				1	26	107	51	11	2	3					194		
Total	3	0	1	4	197	883	475	105	16	5	0	0	0	0	1689		
Percent	0.2%	0.0%	0.1%	0.2%	11.7%	52.3%	28.1%	6.2%	0.9%	0.3%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 30 MPH  
50th Percentile : 33 MPH  
85th Percentile : 38 MPH  
95th Percentile : 41 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 1358  
Percent in Pace : 80.4%  
Number of Vehicles > 30 MPH : 1484  
Percent of Vehicles > 30 MPH : 87.9%  
Mean Speed(Average) : 35 MPH

# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-093  
Viewpoint Dr btwn Courage Butte Trail &  
Shortcut Pass 34.660813, -112.337493  
Latitude: 0' 0.0000 Undefined

## Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average (Mean)	85th Percent
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71			
05/30/23	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	43	44
01:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	43	44
02:00	0	0	0	0	0	0	1	0	2	0	0	0	0	0	3	45	48
03:00	0	0	0	0	0	0	0	0	4	0	1	0	0	0	5	50	56
04:00	0	0	0	0	0	3	8	3	4	0	0	0	0	0	18	40	46
05:00	0	0	0	0	0	4	15	21	11	5	0	0	1	0	57	43	48
06:00	0	0	0	0	0	12	37	50	21	7	3	0	0	0	130	42	47
07:00	0	0	0	0	1	13	69	57	31	11	2	0	0	0	184	42	47
08:00	0	0	0	0	1	16	53	60	21	8	0	0	0	0	159	41	46
09:00	0	0	0	0	0	19	45	37	17	3	1	0	0	0	122	41	45
10:00	0	0	0	0	1	11	48	39	12	7	2	0	0	0	120	41	46
11:00	0	0	0	0	1	15	55	20	21	5	0	0	0	0	117	41	47
12 PM	0	0	0	0	2	19	29	27	14	7	1	0	0	0	99	41	47
13:00	0	0	0	0	1	9	38	34	14	2	0	0	0	0	98	41	45
14:00	0	0	0	0	2	11	39	37	25	2	2	0	0	0	118	42	47
15:00	0	0	0	0	0	7	27	40	11	8	2	0	0	0	95	43	48
16:00	0	0	0	0	1	8	32	33	22	6	2	0	0	0	104	42	48
17:00	0	0	0	0	1	7	39	39	12	7	0	0	0	0	105	42	46
18:00	0	0	0	0	0	10	18	18	12	4	2	0	1	0	65	42	48
19:00	0	0	0	0	0	5	15	14	7	3	0	0	0	0	44	42	47
20:00	0	0	0	0	1	5	15	11	6	2	1	0	0	0	41	41	47
21:00	0	0	0	0	0	1	2	2	2	1	0	0	0	0	8	43	49
22:00	0	0	0	0	0	0	2	1	2	1	0	0	0	0	6	45	50
23:00	0	0	1	0	0	2	1	2	0	4	2	0	0	0	12	45	55
Total	0	0	1	0	12	177	588	547	271	93	21	0	2	0	1712		
Percent	0.0%	0.0%	0.1%	0.0%	0.7%	10.3%	34.3%	32.0%	15.8%	5.4%	1.2%	0.0%	0.1%	0.0%			
AM Peak					07:00	09:00	07:00	08:00	07:00	07:00	06:00		05:00		07:00		
Vol.					1	19	69	60	31	11	3		1		184		
PM Peak			23:00		12:00	12:00	14:00	15:00	14:00	15:00	14:00		18:00		14:00		
Vol.			1		2	19	39	40	25	8	2		1		118		
Total	0	0	1	0	12	177	588	547	271	93	21	0	2	0	1712		
Percent	0.0%	0.0%	0.1%	0.0%	0.7%	10.3%	34.3%	32.0%	15.8%	5.4%	1.2%	0.0%	0.1%	0.0%			

15th Percentile : 35 MPH  
50th Percentile : 40 MPH  
85th Percentile : 47 MPH  
95th Percentile : 51 MPH

Stats  
10 MPH Pace Speed : 36-45 MPH  
Number in Pace : 1135  
Percent in Pace : 66.3%  
Number of Vehicles > 30 MPH : 1699  
Percent of Vehicles > 30 MPH : 99.2%  
Mean Speed(Average) : 42 MPH



# Field Data Services of Arizona, Inc.

31894 Whitetail Ln.  
Temecula, CA 92592  
(520) 316-6745

Site Code: Tues 05/30/23  
Station ID: 23-1225-093  
Viewpoint Dr btwn Courage Butte Trail &  
Shortcut Pass 34.660813, -112.337493  
Latitude: 0' 0.0000 Undefined

## Northbound, Southbound

Start	0	11	16	21	26	31	36	41	46	51	56	61	66	71	Total	Average	85th
Time	10	15	20	25	30	35	40	45	50	55	60	65	70	71		(Mean)	Percent
05/30/23	0	0	0	0	0	0	2	2	0	1	0	0	0	0	5	43	51
01:00	0	0	0	0	0	2	2	1	0	0	0	0	0	0	5	37	41
02:00	0	0	0	1	0	0	1	0	2	0	0	0	0	0	4	39	48
03:00	0	0	0	0	0	0	0	0	4	1	1	0	0	0	6	50	55
04:00	0	0	0	0	0	3	9	3	4	0	0	0	0	0	19	40	46
05:00	0	0	0	0	3	7	17	24	11	5	0	0	1	0	68	42	48
06:00	0	0	0	0	6	21	44	52	21	7	3	0	0	0	154	41	46
07:00	0	0	0	1	4	34	88	69	33	11	2	0	0	0	242	41	46
08:00	0	0	1	0	8	52	76	64	22	8	0	0	0	0	231	39	44
09:00	0	0	0	0	14	64	67	46	19	3	1	0	0	0	214	38	44
10:00	3	0	0	0	15	57	65	43	12	7	2	0	0	0	204	38	43
11:00	0	0	0	0	11	79	74	29	23	5	0	0	0	0	221	38	44
12 PM	0	0	0	0	13	85	69	31	15	7	1	0	0	0	221	37	43
13:00	0	0	0	0	10	69	72	43	15	2	0	0	0	0	211	38	43
14:00	0	0	0	0	23	84	69	39	26	2	2	0	0	0	245	37	44
15:00	0	0	0	1	19	84	77	50	12	8	2	0	0	0	253	38	43
16:00	0	0	0	0	27	115	80	44	24	6	2	0	0	0	298	37	43
17:00	0	0	0	0	19	93	90	45	12	7	0	0	0	0	266	37	42
18:00	0	0	0	0	6	85	54	25	13	4	2	0	1	0	190	37	43
19:00	0	0	0	0	16	51	34	17	7	3	0	0	0	0	128	36	42
20:00	0	0	0	1	12	26	38	15	6	2	1	0	0	0	101	37	42
21:00	0	0	0	0	3	32	15	2	3	1	0	0	0	0	56	36	39
22:00	0	0	0	0	0	9	13	4	3	4	0	0	0	0	33	40	48
23:00	0	0	1	0	0	8	7	4	0	4	2	0	0	0	26	40	52
Total	3	0	2	4	209	1060	1063	652	287	98	21	0	2	0	3401		
Percent	0.1%	0.0%	0.1%	0.1%	6.1%	31.2%	31.3%	19.2%	8.4%	2.9%	0.6%	0.0%	0.1%	0.0%			
AM Peak	10:00		08:00	02:00	10:00	11:00	07:00	07:00	07:00	07:00	06:00		05:00		07:00		
Vol.	3		1	1	15	79	88	69	33	11	3		1		242		
PM Peak			23:00	15:00	16:00	16:00	17:00	15:00	14:00	15:00	14:00		18:00		16:00		
Vol.			1	1	27	115	90	50	26	8	2		1		298		
Total	3	0	2	4	209	1060	1063	652	287	98	21	0	2	0	3401		
Percent	0.1%	0.0%	0.1%	0.1%	6.1%	31.2%	31.3%	19.2%	8.4%	2.9%	0.6%	0.0%	0.1%	0.0%			

15th Percentile : 31 MPH  
50th Percentile : 36 MPH  
85th Percentile : 44 MPH  
95th Percentile : 49 MPH

Stats  
10 MPH Pace Speed : 31-40 MPH  
Number in Pace : 2123  
Percent in Pace : 62.4%  
Number of Vehicles > 30 MPH : 3183  
Percent of Vehicles > 30 MPH : 93.6%  
Mean Speed(Average) : 38 MPH

## Crash Summary

### Viewpoint Drive - State Route 89A to Town Limits

Data Period: 2019 - 2021

Total Crashes: 10

No.	Incident ID	Incident Date	Incident Time	Incident Year	Onroad	Crossing Feature	Offset	Injury Severity	Collision Manner	Light Condition	Total Units	Total Injuries	Total Fatalities	Speed-Related Crash
1	3484475	2/3/2019	8:10 AM	2019	Viewpoint Drive	Pronghorn Ranch Parkway	-5	No Injury	Single Vehicle	Daylight	1	0	0	
2	3601270	12/19/2019	8:58 AM	2019	Viewpoint Drive	Horizon Way	-57	No Injury	Rear-end	Daylight	2	0	0	Yes
3	3543041	7/13/2019	5:27 AM	2019	Viewpoint Drive	Courage Butte Trail	0	Minor Injury	Single Vehicle	Dawn	1	1	0	
4	3614604	1/20/2020	12:30 PM	2020	SR-89	Viewpoint Drive	0	No Injury	Rear-end	Daylight	2	0	0	Yes
5	3717523	12/23/2020	3:42 PM	2020	Viewpoint Drive	Pronghorn Ranch Parkway	0	No Injury	Left Turn	Daylight	2	0	0	
6	3717527	12/29/2020	11:19 AM	2020	Viewpoint Drive	Pronghorn Ranch Parkway	67	No Injury	Rear-end	Daylight	2	0	0	Yes
7	3655621	6/16/2020	1:04 PM	2020	Viewpoint Drive	Park View Drive	0	No Injury	Left Turn	Daylight	2	0	0	
8	3777796	6/2/2021	4:13 PM	2021	SR-89	Viewpoint Drive	0	Minor Injury	Angle	Daylight	3	2	0	
9	3796856	8/4/2021	4:19 PM	2021	SR-89	Viewpoint Drive	20	No Injury	Rear-end	Daylight	2	0	0	Yes
10	3772685	5/27/2021	7:05 PM	2021	Viewpoint Drive	Pronghorn Ranch Parkway	0	Minor Injury	Angle	Dusk	2	2	0	