TO:	Edd Alberto, City of San Marcos
FROM:	Phuong Nguyen, PE; CR Associates (CRA)
DATE:	June 21, 2024
RE:	City of San Marcos Engineering and Traffic Surveys – Technical Memorandum

The purpose of this technical memorandum is to document the engineering and traffic survey (E&TS) conducted for the City of San Marcos and provide recommendations regarding potential speed limit adjustments as appropriate.

Background

The City of San Marcos currently has posted speed limits at 120 roadway segments throughout the City that were previously evaluated via an Engineer and Traffic Survey (E&TS). The E&TS that was conducted to support these speed limits were conducted over multiple years. Due to changes in traffic conditions that occurred during the COVID-19 pandemic, including driver behavior and traffic volumes, and changes in state law, it was determined that it would be in the interest of the City to conduct a citywide E&TS to determine if adjustments should be made to the existing posted speed limits. Of the 120 roadway segments, 20 were found to meet the characteristics of a residence district or business district per the California Vehicle Code (CVC) and have a prima facie speed limit of 25 MPH per CVC Section 22352; therefore, E&TS were not conducted at these roadway segments. Additionally, two locations, Via Vera Cruz between San Marcos Boulevard and Discovery Street and Bent Avenue between Grand Avenue and Discovery Street, were not evaluated due to ongoing construction. The remaining 98 roadway segments were evaluated as discussed below.

In October 2021, Governor Gavin Newsom signed Assembly Bill (AB) 43 titled “Traffic Safety”. This bill amended the CVC to allow cities to consider the safety of vulnerable road users when setting speed limits on streets with a history of collisions, with special attention to places where people are more likely to walk and bike. The bill also allows the City to maintain and enforce existing speed limits and roll back speed limit increases that were implemented several years ago if the increase was not based on any physical changes to the design of the street. In September 2022, the Governor signed AB 1938, clarifying some provisions in AB 43. The changes affected CVC Sections 22348 through 22431, the most significant changes are in Sections 22358.6 through 22358.8, which are summarized as follows:

- Define Prima Facie speed limit for residential and business district of 25 miles per hour. Residential streets are defined as streets 40 feet in width or less, have no more than two lanes, and serve predominantly residential or business uses.
- Under existing laws, speed limits must be set no lower than 5 MPH below the nearest 5 MPH increment derived from the 85th percentile speed of a roadway. For instance, if the 85th percentile speed is calculated at 38 MPH, the rounded figure would be 40 MPH, and the lowest permissible posted speed limit following an E&TS would be 35 MPH.
- AB1938 amends the California Vehicle Code to permit the California Department of Transportation or local authorities to set the speed limit by rounding down the 85th percentile speed to the nearest 5 miles per hour. For instance, in the scenario described, the local authority could set the speed limit at 35 miles per hour.
- AB 43 permits additional reductions of 5 MPH below previously calculated speed zones, especially considering the presence of vulnerable pedestrian groups as a significant factor in

setting speed zones. It also mandates a 30-day warning period before issuing citations for newly lowered speed limits.

- AB 43 addresses the issue of "speed creep," where successive traffic surveys could lead to gradually higher speed limits due to increasing average speeds. For example, if a roadway's posted speed limit was 35 MPH in 2016 and a 2018 survey found the 85th percentile speed had increased to 38 MPH, leading to a recommended increase to 40 MPH, subsequent increases could continue. By 2023, this could lead to a recommended speed limit of 45 MPH due to a further increase in the 85th percentile speed to 43 MPH. However, AB43 allows jurisdictions to retain the last recommended speed limit prior to the occurrence of speed creep. This approach may be used if no additional general-purpose lanes have been added since the existing speed limit was established and it does not authorize a speed limit to be reduced by any more than 5 MPH from the existing speed limit nor below the immediately prior speed limit per CVC 22358.8.

Methodology

Consistent with the requirements set forth by CVC Sections 22348 through 22431, the 2014 California Manual on Uniform Traffic Control Devices (CA-MUTCD, Revision 7 – Effective March 10, 2023), the Caltrans Policy Directive 09-04, and guidance from the Caltrans Manual for Setting Speed Limits (February 2020), an E&TS was carried out across 98 roadway segments in San Marcos.

When determining speed limits, the following characteristics may be considered:

A. Features of the road such as its condition, shoulder width, slope, layout, and visibility range;
B. The prevailing (free-flow) speed of the majority of vehicles;
C. The type of roadside development and surrounding environment;
D. Existing parking practices;
E. Levels of pedestrian and bicycle activity; and
F. Collision rates based on collision history spanning 36 months. Collision rates are typically compared to the most recent available collision rates for typical roadways within Caltrans District 11, as shown in **Table 1**.

Table 1 – Collision Rates for District 11 Roadways (2019)

Lane Type	Rates (Accidents per Million Vehicle Miles)
2 and 3 Lanes	1.33
4+ Undivided	0.84
4+ Divided	0.96

Source: 2019 Crash Data on California State Highways, Caltrans (2019)

Note:
Caltrans' latest collision rate summaries are from 2020 and 2021. However, due to COVID-19 conditions, these years were considered abnormal and 2019 (pre-COVID) was utilized.

E&TS Results

The measurement of free-flow speed was conducted by a qualified technician utilizing a calibrated portable radar. Parameters of the speed measurements include the following:

1. Qualified technician positioned at a distance from the roadway to minimize any potential speed reduction from drivers aware of their presence.
2. The location along roadway segment for measurement was strategically placed at a sufficient distance away from any traffic control devices ensuring the accuracy of free-flow speed data.

3. Speed measurements were scheduled during off-peak hours to prevent the free-flow speed from being skewed by traffic congestion.
4. For each directional flow on a given roadway, data from at least 50 vehicles were collected, for a combined total of 100 vehicles minimum for both directions per roadway segment.
5. Additional guidance as outlined in Section 3.2.4 of the Caltrans Manual for Setting Speed Limits was also followed.

Free-flow speed data was collected between December 2022 and February 2023 by National Data Services (NDS); city staff conducted additional speed data collection between April 2024 and May 2024. **Table 2** summarizes the results of this E&TS and categorizes the justification for the recommended posted speed limits. E&TS strip maps are provided in **Attachment A.**

Overall, the E&TS categorized the speed limit into two categories:

> ***Prima Facie Speed***: Streets that qualify as residential or business districts are recommended to have a prima facie speed limit of 25 miles per hour. Roadway segments with this recommendation are listed as "P" in Table 2.
>
> ***85th Percentile Speed***: For streets where the 85th percentile speed is deemed reasonable by rounding or taking an additional five MPH reduction, the speed limit is set based on an Engineering and Traffic Survey (E&TS). Recommendations may involve either maintaining the existing speed limit or adjusting it, taking into account factors like the roadway segment, accident history, 85th percentile speed, and other engineering judgments. Roadway segments with this recommendation are listed as "C" in Table 2.

As shown in Table 2, the following roadway segments recommend a change to the existing posted speed limit:

1. ***Alamitos Way, from Oleander Avenue to Descanso Avenue*** - based on the collected 85th percentile speed, the speed limit is recommended to be **reduced** from 30 MPH to 25 MPH.
2. ***Capalina Road, from Rancho Santa Fe Road to Pacific Street*** - based on the collected 85th percentile speed, the speed limit is recommended to be **reduced** from 35 MPH to 30 MPH.
3. ***Knoll Road, from Mission Road to San Marcos Boulevard*** - based on the collected 85th percentile speed, the speed limit is recommended to be **raised** from 35 MPH to 40 MPH.
4. ***Las Posas Road, from Grand Avenue to San Marcos Boulevard*** – based on the collected 85th percentile speed, the speed limit is recommended to be **reduced** from 45 MPH to 40 MPH.
5. ***Linda Vista Drive, from Western City Limits to W Linda Vista Drive*** – based on the collected 85th percentile speed, the speed limit is recommended to be **reduced** from 40 MPH to 30 MPH.
6. ***Linda Vista Drive, from Grand Avenue to Las Posas Road*** – based on the collected 85th percentile speed, the speed limit is recommended to be **reduced** from 40 MPH to 35 MPH.
7. ***Melrose Drive, from Rancho Santa Fe Road to San Elijo Road*** - based on the collected 85th percentile speed, the speed limit is recommended to be **raised** from 40 MPH to 45 MPH.
8. ***Rancho Santa Fe Road, from Mission Road to San Marcos Boulevard*** – based on the collected 85th percentile speed, the speed limit is recommended to be **reduced** from 40 MPH to 35 MPH.
9. ***San Marcos Boulevard, from Business Park Drive to Viewpoint Drive*** – based on the collected 85th percentile speed, the speed limit is recommended to be **reduced** from 50 MPH to 45 MPH.

10. ***Smilax Road, from S Santa Fe Avenue to Oleander Avenue*** – based on the collected 85th percentile speed, the speed limit is recommended to be **reduced** from 35 MPH to 30 MPH.
11. ***Twin Oaks Valley Road, from San Marcos Boulevard to Barham Drive*** – based on the collected 85th percentile speed, the speed limit is recommended to be **reduced** from 45 MPH to 40 MPH.
12. ***Twin Oaks Valley Road, from Barham Drive to Craven Road*** – based on the collected 85th percentile speed, the speed limit is recommended to be **reduced** from 45 MPH to 40 MPH.
13. ***Via Vera Cruz, from Discovery Street to Honeysuckle Dr*** – based on the collected 85th percentile speed, the speed limit is recommended to be **reduced** from 35 MPH to 30 MPH.
14. ***W. Linda Vista Drive, from Tilley Lane to Poinsettia Avenue*** – based on the collected 85th percentile speed, the speed limit is recommended to be **reduced** from 40 MPH to 35 MPH.

Table 2 – 85th Percentile Speed Survey Results & Recommended Posted Speed Limits

Street	From	To	Existing Posted	85th Percentile Speed or P = Prima Facie Limits	Survey Date	Recommended Posted Speed Limit	Justification[2]	
Alamitos Way	Oleander Ave	Descanso Ave	30	22	1/12/2023	25	85th Percentile Speed	C
Autumn Dr	Pico Ave	Knoll Rd	25	P	-	25	Prima Facie	P
Barham Drive	Twin Oaks Valley Rd	W. La Moree Rd	45	45	1/28/2023	45	85th Percentile Speed	C
Barham Drive	W. La Moree Rd	EB SR-78 Off Ramp	45	48	1/31/2023	45	85th Percentile Speed	C
Barham Drive	EB SR-78 Off Ramp	Woodland Pkwy	40	43	1/28/2023	40	85th Percentile Speed	C
Barham Drive	Woodland Pkwy	SR78 EB On Ramp	45	48	1/18/2023	45	85th Percentile Speed	C
Barham Drive	SR78 EB On Ramp	Eastern City Limits	40	42	1/31/2023	40	85th Percentile Speed	C
Barham Lane	La Moree Rd	Shelly Dr	35	40	1/28/2023	35	85th Percentile Speed	C
Bent Avenue	Grand Avenue	Discovery Street	*Not Included Due to Ongoing Construction[1]*					
Bennett Avenue	Rock Springs Rd	Mission Rd	40	43	1/31/2023	40	85th Percentile Speed	C
Borden Rd	Vineyard Rd	Mulberry Dr	25	P	-	25	Prima Facie	P
Borden Road	Las Posas Rd	Camino Magnifico	40	40	2/2/2023	40	85th Percentile Speed	C
Borden Road	Camino Magnifico	Comet Cir	40	47	5/7/2024	40	Additionally Reduce: Ped and Bike Activity	C*
Borden Road	Comet Cir	Twin Oaks Valley Rd	40	47	5/7/2024	40	Additionally Reduce: Ped and Bike Activity	C*
Borden Road	Twin Oaks Valley Rd	Vineyard Rd	35	39	1/23/2023	35	85th Percentile Speed	C
Borden Road	Mulberry Dr	Rose Ranch Rd	40	43	1/27/2023	40	85th Percentile Speed	C
Borden Road	Rose Ranch Rd	Woodland Pkwy	40	43	1/27/2023	40	85th Percentile Speed	C
Boulderidge Drive	Rancho Santa Fe Rd	Melrose Dr	35	39	12/29/2022	35	85th Percentile Speed	C
Capalina Rd	Las Flores Dr	Rancho Santa Fe Rd	25	P	-	25	Prima Facie	P
Capalina Road	Rancho Santa Fe Rd	N. Pacific St	35	37	2/1/2023	30	Additionally Reduce: Higher Than Average Collision Rate	C*
Carmel Street	Twin Oaks Valley Rd	Hill St	40	41	2/2/2023	40	85th Percentile Speed	C
Cassou Road	Western City Limits	Twin Oaks Valley Rd	35	35	5/1/2024	35	85th Percentile Speed	C
Center Dr	Nordahl Rd	Avenida Ricardo	25	P	-	25	Prima Facie	P
Coronado Hills Drive	La Moree Rd	Washingtonia Dr	35	41	1/31/2023	35	Additionally Reduce: Higher Than Average Collision Rate	C*

Table 2 – 85th Percentile Speed Survey Results & Recommended Posted Speed Limits

Street	From	To	Existing Posted	85th Percentile Speed or P = Prima Facie Limits	Survey Date	Recommended Posted Speed Limit	Justification[2]	
Cox Road	Sycamore Dr	Birchwood Dr	30	32	1/31/2023	30	85th Percentile Speed	C
Craven Road	Discovery St	Twin Oaks Valley Rd	45	44	1/27/2023	45	85th Percentile Speed	C
Deer Springs Road	Northern City Limits	Twin Oaks Valley Rd	45	45	1/28/2023	45	85th Percentile Speed	C
Descanso Avenue	Alamitos Wy	Las Flores Dr	35	39	1/17/2023	35	85th Percentile Speed	C
Descanso Avenue	Las Flores Dr	Rancho Santa Fe Rd	35	39	1/17/2023	35	85th Percentile Speed	C
Discovery Street	San Marcos Blvd	La Sombra Dr	25	P	-	25	Prima Facie	P
Discovery Street	La Sombra Dr	Craven Rd	40	41	1/27/2023	40	85th Percentile Speed	C
Double Peak Drive	Double Peak Park Entrance	San Elijo Rd	30	34	5/13/2024	30	85th Percentile Speed	C
Dovetail Dr	San Elijo Rd	Fallsview Rd	25	P	-	25	Prima Facie	P
Elfin Forest Road	Archer Rd	Calistoga Way	25	P	-	25	Prima Facie	P
Elfin Forest Road	Windemere Dr	Archer Rd	30	37	1/28/2023	30	Additionally Reduce: Ped and Bike Activity	C*
Elfin Forest Road	Calistoga Wy	Southern City Limits	35	40	1/28/2023	35	85th Percentile Speed	C
Grand Avenue	Las Flores Dr	Rancho Santa Fe Rd	30	34	1/17/2023	30	85th Percentile Speed	C
Grand Avenue	Rancho Santa Fe Rd	Las Posas Rd	40	45	1/29/2023	40	85th Percentile Speed	C
Grand Avenue	Las Posas Rd	San Marcos Blvd	45	45	2/1/2023	45	85th Percentile Speed	C
Knob Hill Rd	Nordahl Rd	Bougher Rd	25	P	-	25	Prima Facie	P
Knoll Road	Mission Rd	San Marcos Blvd	35	43	2/2/2023	40	85th Percentile Speed	C
La Cienega Road	Twin Oaks Valley Rd	Mulberry Dr	40	44	2/1/2023	40	85th Percentile Speed	C
La Costa Meadows Drive	Rancho Santa Fe Rd	Diamond St	35	35	12/29/2022	35	85th Percentile Speed	C
La Mirada Drive	Western City Limits	Las Flores Dr	25	31	1/21/2023	25	Additionally Reduce: Ped and Bike Activity, Driveways/Intersections	C*
La Mirada Drive	Rancho Santa Fe Rd	Las Posas Rd	35	37	1/12/2023	35	85th Percentile Speed	C
La Moree Road (East & West)	Barham Dr	Barham Dr	35	40	1/31/2023	35	85th Percentile Speed	C
La Noche Dr	La Sombra Dr	Applewilde Dr	25	P	-	25	Prima Facie	P
Lake Ridge Dr	Rancho Santa Fe Rd	Lodgepole Rd	25	P	-	25	Prima Facie	P
Las Flores Dr	Via La Venta	S Santa Fe Ave	25	P	-	25	Prima Facie	P

Table 2 – 85th Percentile Speed Survey Results & Recommended Posted Speed Limits

Street	From	To	Existing Posted	85th Percentile Speed or P = Prima Facie Limits	Survey Date	Recommended Posted Speed Limit	Justification[2]	
Las Posas Road	Avenida Leon (prev. N. Terminus)	Mission Rd	45	46	2/1/2023	45	85th Percentile Speed	C
Las Posas Road	Mission Rd	Grand Ave	45	50	1/21/2023	45	85th Percentile Speed	C
Las Posas Road	Grand Ave	San Marcos Blvd	45	43	5/7/2024	40	85th Percentile Speed	C
Linda Vista Drive	Western City Limits	W Linda Vista Drive	40	35	1/21/2023	30	85th Percentile Speed	C
Linda Vista Drive	Tilley Ln	Rancho Santa Fe Rd	35	35	1/12/2023	35	85th Percentile Speed	C
Linda Vista Drive	Rancho Santa Fe Rd	Las Posas Rd	35	37	1/12/2023	35	85th Percentile Speed	C
Linda Vista Drive	Las Posas Rd	Grand Ave	40	37	1/27/2023	35	85th Percentile Speed	C
Los Vallecitos Boulevard	Las Posas Rd	Knoll Rd	40	42	2/2/2023	40	85th Percentile Speed	C
Melrose Drive	Rancho Santa Fe Rd	San Elijo Rd	40	48	1/28/2023	45	85th Percentile Speed	C
Mission Road	Rancho Santa Fe Rd	Las Posas Rd	40	42	2/2/2023	40	85th Percentile Speed	C
Mission Road	Las Posas Rd	Knoll Rd	45	43	2/2/2023	45	85th Percentile Speed	C
Mission Road	Knoll Rd	San Marcos Blvd	45	47	1/21/2023	45	85th Percentile Speed	C
Mission Road	San Marcos Blvd	Mulberry Dr	45	47	1/28/2023	45	85th Percentile Speed	C
Mission Road	Mulberry Dr	Woodland Pkwy	45	48	1/31/2023	45	85th Percentile Speed	C
Mission Road	Woodland Pkwy	Eastern City Limits	45	50	1/31/2023	45	85th Percentile Speed	C
Montiel Road	Nordahl Rd	Eastern City Limits	40	44	2/2/2023	40	85th Percentile Speed	C
Mulberry Drive	Olive St	La Cienega Rd	40	43	5/8/2024	40	85th Percentile Speed	C
Mulberry Drive	La Cienega Rd	Rose Ranch Rd	40	39	1/27/2023	40	85th Percentile Speed	C
Mulberry Drive	Rose Ranch Rd	Mission Rd	45	44	1/27/2023	45	85th Percentile Speed	C
Nordahl Road	Knob Hill Rd	Montiel Rd	40	39	1/28/2023	40	85th Percentile Speed	C
Oleander Ave	Alamitos Way	Poinsettia Ave	25	P	-	25	Prima Facie	P
Olive St	Marilyn Ln	Low Chaparral Dr	25	P	-	25	Prima Facie	P
Olive Street	Twin Oaks Valley Rd	Low Chaparral Dr	40	44	1/31/2023	40	85th Percentile Speed	C
Pacific Street	Grand Ave	Linda Vista Dr	35	33	1/12/2023	35	85th Percentile Speed	C
Pacific Street	Linda Vista Dr	San Marcos Blvd	35	38	1/17/2023	35	85th Percentile Speed	C
Pico Ave	San Marcos Blvd	Mission Rd	25	P		25	Prima Facie	P
Questhaven Road	San Elijo Rd	Southern City Limits	30	33	1/28/2023	30	85th Percentile Speed	C
Rancheros Dr	San Marcos Blvd	Valpreda Ave	25	P	-	25	Prima Facie	P
Rancheros Drive	Valpreda Rd	Woodland Pkwy	40	42	1/31/2023	40	85th Percentile Speed	C

Table 2 – 85th Percentile Speed Survey Results & Recommended Posted Speed Limits

Street	From	To	Existing Posted	85th Percentile Speed or P = Prima Facie Limits	Survey Date	Recommended Posted Speed Limit	Justification[2]	
Rancheros Drive	Woodland Pkwy	Mission Rd	35	37	1/31/2023	35	85th Percentile Speed	C
Rancho Santa Fe Road	Mission Rd	San Marcos Blvd	40	36	1/12/2023	35	85th Percentile Speed	C
Rancho Santa Fe Road	San Marcos Blvd	Island Dr	45	51	5/7/2024	45	Additionally Reduce: Ped and Bike Activity	C*
Rancho Santa Fe Road	Island Dr	Melrose Dr	45	49	5/9/2024	45	85th Percentile Speed	C
Richland Road	Borden Rd	Rock Springs Rd	25	P	-	25	Prima Facie	P
Richland Road	Rock Springs Rd	Mission Rd	25	P	-	25	Prima Facie	P
Richmar Ave	Twin Oaks Valley Rd	Liberty Dr	25	P	-	25	Prima Facie	P
Rock Springs Road	Richland Road	Woodland Pkwy	25	30	4/24/2024	25	85th Percentile Speed	C
Rock Springs Road	Woodland Pkwy	Bennett Ave	35	39	4/24/2024	35	85th Percentile Speed	C
Rose Ranch Road	Mulberry Dr	Lantana Ct	40	46	1/21/2023	40	Additionally Reduce: Higher Than Average Collision Rate	C*
Rose Ranch Road	Lantana Ct	Borden Rd	30	34	4/23/2024	30	85th Percentile Speed	C
San Elijo Rd (North)	800' S/O Baker St.	Elfin Forest Rd E (WB)	25	P	-	25	Prima Facie	P
San Elijo Road	Rancho Santa Fe Rd	800' S/O Baker St	45	48	4/23/2024	45	85th Percentile Speed	C
San Elijo Road	WB Elfin Forest	Stephanie Ct	35	42	4/24/2024	35	Additionally Reduce: Ped and Bike Activity	C*
San Elijo Road	Stephanie Ct	Questhaven Rd	45	49	1/28/2023	45	85th Percentile Speed	C
San Elijo Road	Questhaven Rd	Double Peak Dr	45	51	1/28/2023	45	Additionally Reduce – Ped and Bike Activity	C*
San Elijo Road	Double Peak Dr	Ridgeline Trailhead Park	45	49	1/28/2023	45	85th Percentile Speed	C
San Marcos Boulevard	Business Park Dr	Viewpoint Dr	50	51	5/9/2024	45	Additionally Reduce: Ped and Bike Activity	C*
San Marcos Boulevard	Viewpoint Dr	Rancho Santa Fe Rd	45	51	1/17/2023	45	Additionally Reduce: Higher Than Average Collision Rate	C*
San Marcos Boulevard	Rancho Santa Fe Rd	Via Vera Cruz	45	43	1/27/2023	45	85th Percentile Speed	C
San Marcos Boulevard	Via Vera Cruz	Grand Ave	40	43	1/29/2023	40	85th Percentile Speed	C
San Marcos Boulevard	Grand Ave	Mission Rd	40	41	1/31/2023	40	85th Percentile Speed	C
Security Place	Rancho Santa Fe Rd	San Marcos Blvd	25	P	-	25	Prima Facie	P
Smilax Road	S. Santa Fe Ave	Oleander Ave	35	34	1/17/2023	30	85th Percentile Speed	C

Table 2 – 85th Percentile Speed Survey Results & Recommended Posted Speed Limits

Street	From	To	Existing Posted	85th Percentile Speed or P = Prima Facie Limits	Survey Date	Recommended Posted Speed Limit	Justification[2]	
South Santa Fe Avenue	Smilax Rd	Rancho Santa Fe Rd	45	49	2/1/2023	45	85th Percentile Speed	C
Twin Oaks Valley Road	Deer Springs Rd	La Cienega Rd	45	49	1/26/2023	45	85th Percentile Speed	C
Twin Oaks Valley Road	La Cienega Rd	Windy Wy	50	54	5/14/2024	50	85th Percentile Speed	C
Twin Oaks Valley Road	Windy Wy	San Marcos Blvd	45	47	1/28/2023	45	85th Percentile Speed	C
Twin Oaks Valley Road	San Marcos Blvd	Barham Dr	45	39	1/12/2023	40	85th Percentile Speed	C
Twin Oaks Valley Road	Barham Dr	Craven Rd	45	40	1/12/2023	40	85th Percentile Speed	C
Twin Oaks Valley Road	Craven Rd	Village Dr (South)	45	47	1/27/2023	45	85th Percentile Speed	C
Twin Oaks Valley Road	Village Dr (South)	Ridgeline Trailhead Park	45	45	1/28/2023	45	85th Percentile Speed	C
Via Vera Cruz	Grand Ave	San Marcos Blvd	40	39	1/27/2023	40	85th Percentile Speed	C
Via Vera Cruz	San Marcos Blvd	Discovery St	*Not Included Due to Ongoing Construction[1]*					
Via Vera Cruz	Discovery St	Honeysuckle Dr	35	34	1/27/2023	30	85th Percentile Speed	C
Vineyard Road	Woodward St	Mulberry Dr	35	40	1/27/2023	35	85th Percentile Speed	C
W. Linda Vista Drive	Poinsettia Ave	Tilley Ln	40	41	1/12/2023	35	Additionally Reduce: Ped, and Bike Activity	C*
Wild Canyon Drive	Tucana Dr	San Elijo Rd	30	33	1/23/2023	30	85th Percentile Speed	C
Woodland Parkway	Borden Rd	Mission Rd	40	45	1/27/2023	40	85th Percentile Speed	C
Woodland Parkway	Mission Rd	Barham Dr	35	34	1/18/2023	35	85th Percentile Speed	C
Woodward Street	Mulberry Dr	Borden Rd	35	42	5/14/2024	35	Additionally Reduce: Golf Carts, Ped, and Bike Activity	C*
Woodward Street	Borden Rd	Mission Rd	40	44	1/21/2023	40	85th Percentile Speed	C

Note:
[1] Roadway segment has been under construction over the last year, including the installation of traffic signals at their intersection with Discovery Street. Due to the new connection of Discovery Street, connecting to Bent Avenue from Twin Oaks Valley Road, traffic patterns have been altered and need to normalize to recommend posted speed limits.
[2] P = Prima Facie Speed | C = 85th Percentile Speed | C* = 85th Percentile Speed w/Additional 5 MPH Reduction

AUTHORITY FOR SETTING OF POSTED SPEED LIMIT

This Engineering and Traffic Survey was reviewed for compliance with Sections 40802, 22357, and 22358 of the California Vehicle Code.

The following reference materials were also used in the preparation of this Engineering and Traffic Survey:

1. California Vehicle Code (CVC) – As of January 1, 2024.

2. California Manual of Uniform Traffic Control Devices (MUTCD), 2014 Revision 8 – State of California, Department of Transportation, Sacramento, California.



Approved: _____

Traffic Engineer, RTE#2515

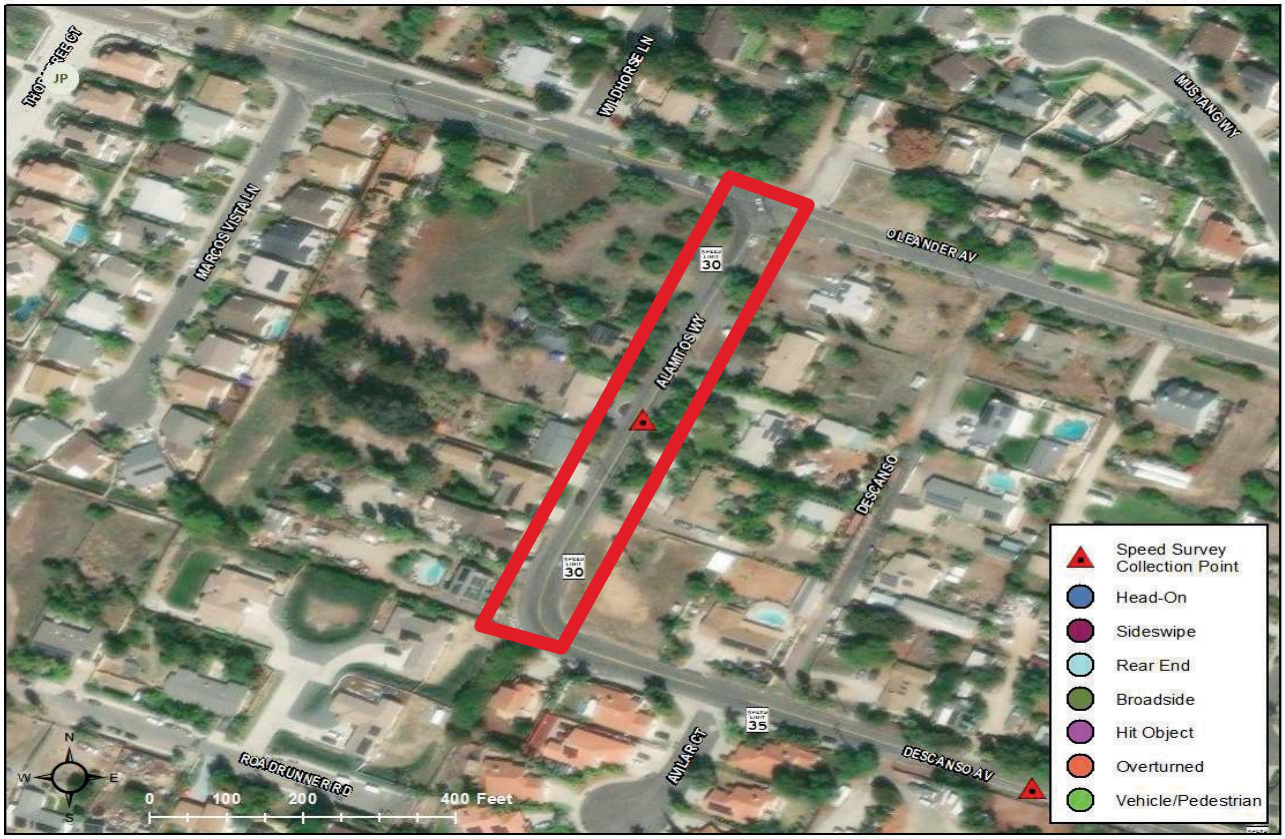
City Council: _____

Ordinance No.: _____

Attachment A
E&TS Strip Maps and Data Collection

Roadway	Alamitos Way		
Segment	Oleander Ave to Descanso Ave		
Pedestrian Facilities	No	Posted Speed Limit	30
Bicycle Facilities	No	85th Percentile Speed	22
Roadway Width (feet)	32	Recommended Speed Limit	25
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0/1.33
Median	None	2019, District 11, Urban, 2 and 3 Lanes	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

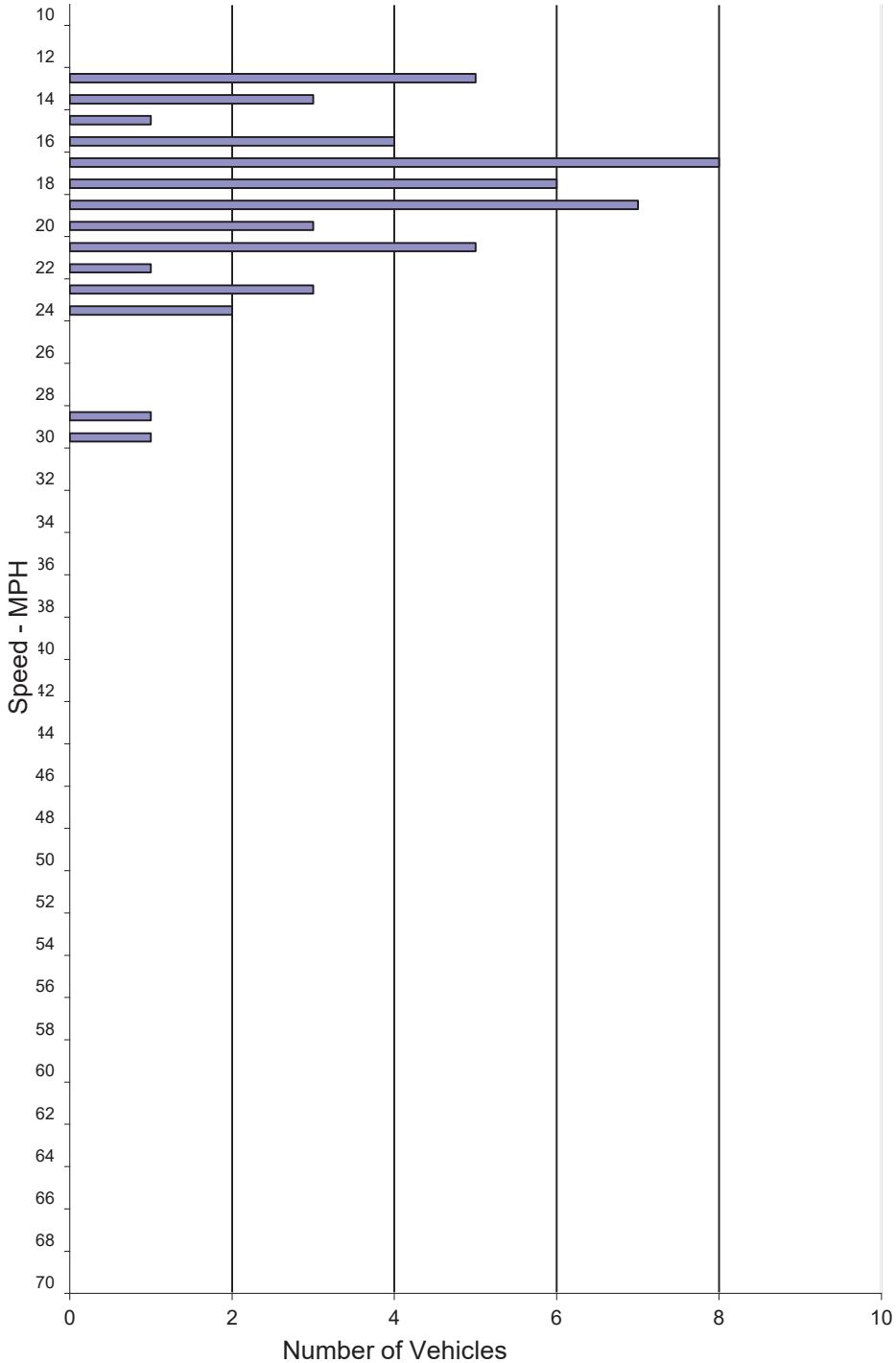
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** Alamitos Way S/O Oleander Ave
TIME: 09:00-10:08 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-100

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	5
14	3
15	1
16	4
17	8
18	6
19	7
20	3
21	5
22	1
23	3
24	2
25	
26	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	13 - 30	18 mph	22 mph	13 - 22	43	86%	0% / 0	14% / 7

Spot Speed Study

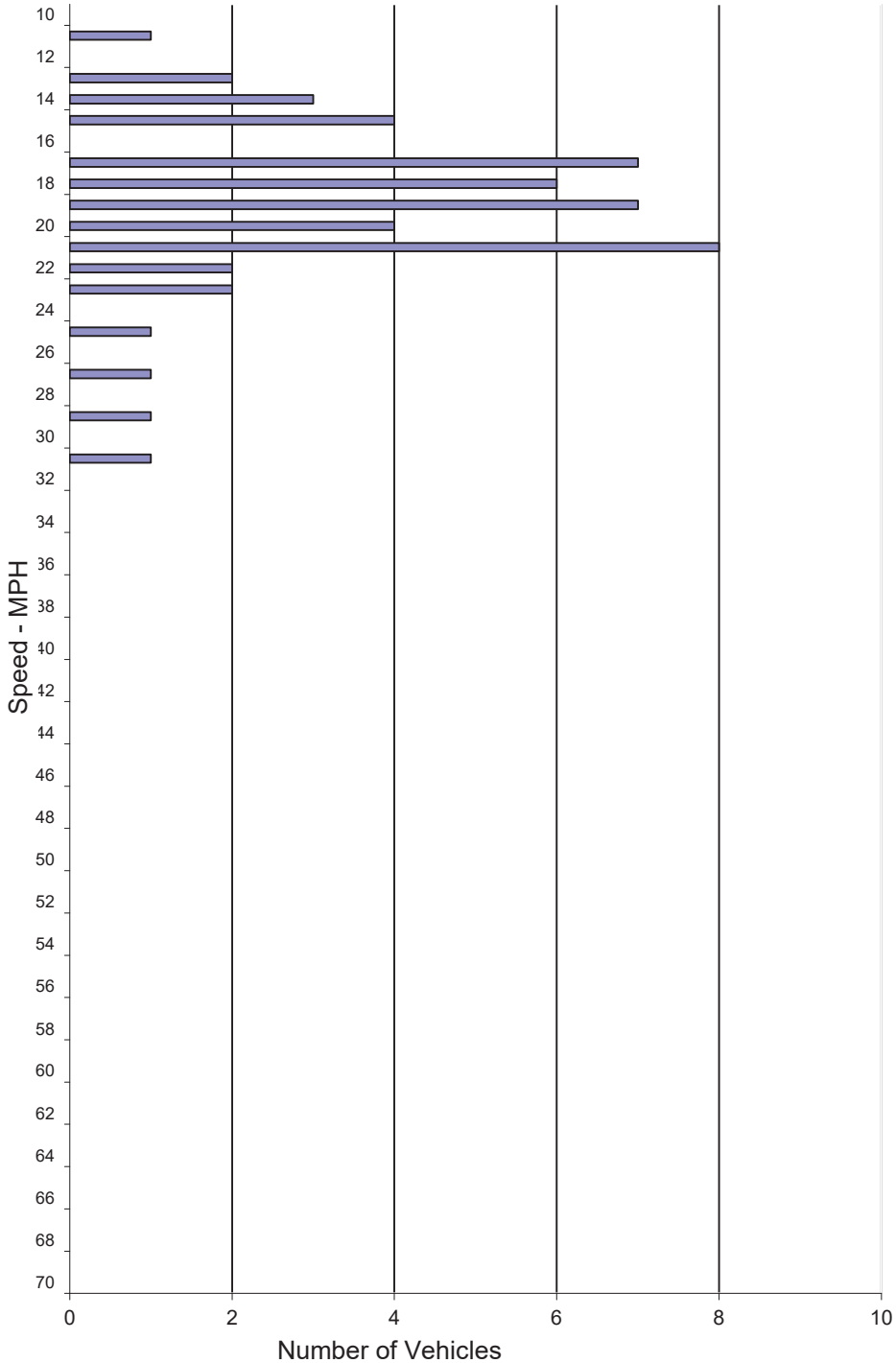
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** Alamitos Way S/O Oleander Ave
TIME: 09:00-10:08 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-100

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	1
12	
13	2
14	3
15	4
16	
17	7
18	6
19	7
20	4
21	8
22	2
23	2
24	
25	1
26	
27	1
28	
29	1
30	
31	1
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
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64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	11 - 31	19 mph	22 mph	13 - 22	43	86%	2% / 1	12% / 6

Spot Speed Study

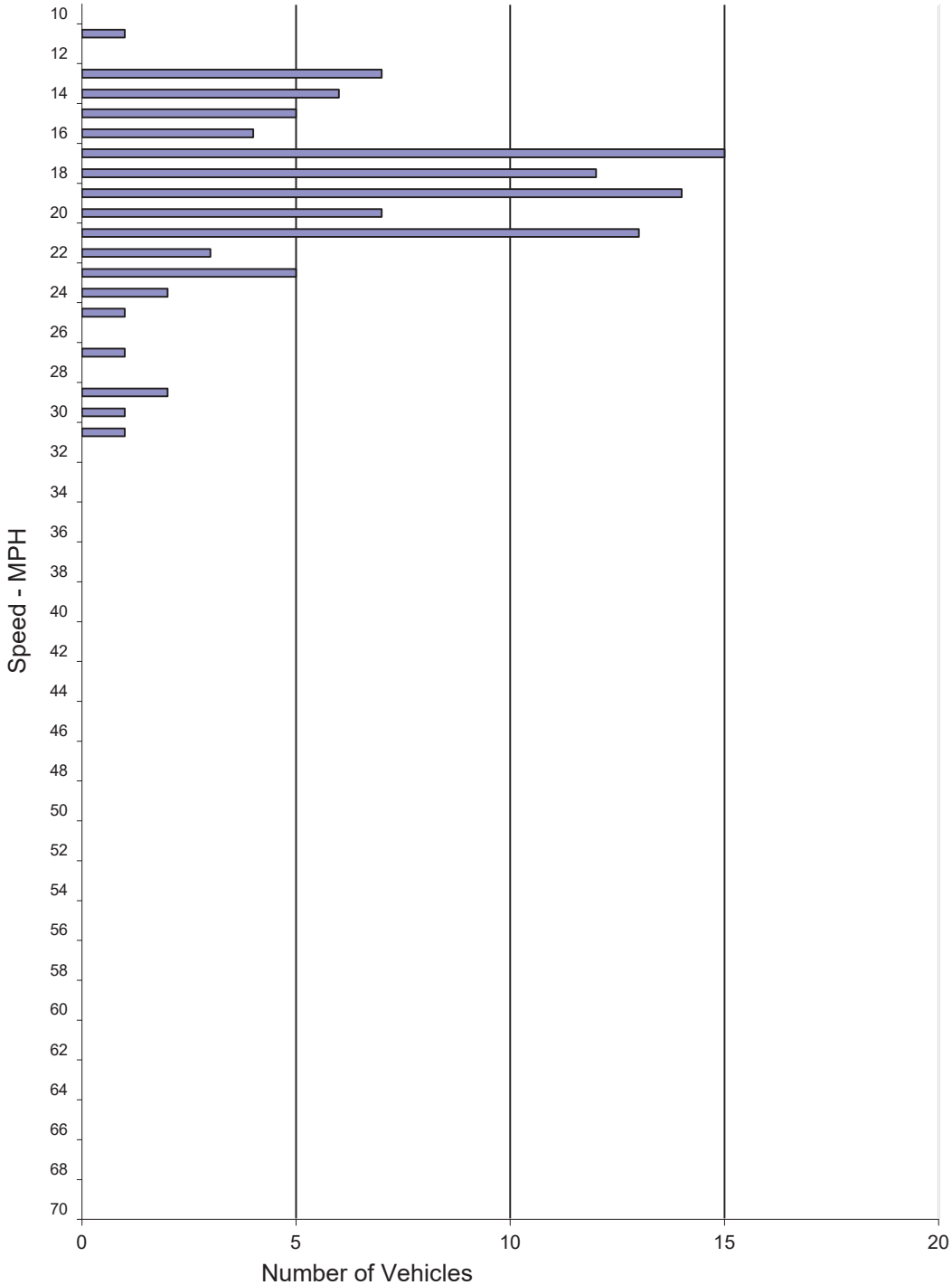
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** Alamitos Way S/O Oleander Ave
TIME: 09:00-10:08 **Posted Speed:** 30 MPH Clear/Dry **Project #: 23-040001-100**

Northbound & Southbound Spot Speeds

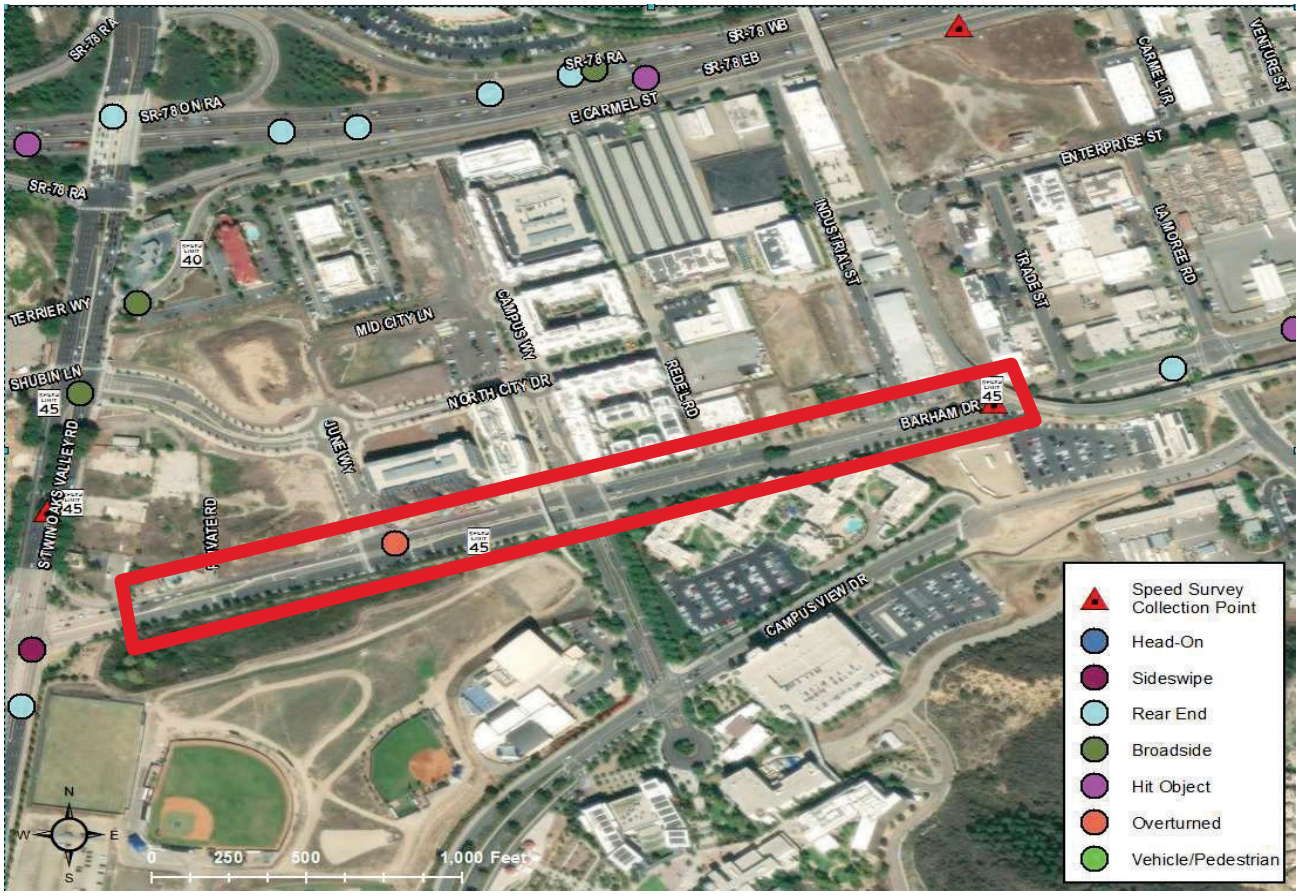
Speed mph	ALL Vehicles
<=10	
11	1
12	
13	7
14	6
15	5
16	4
17	15
18	12
19	14
20	7
21	13
22	3
23	5
24	2
25	1
26	
27	1
28	
29	2
30	1
31	1
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
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52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	11 - 31	18 mph	22 mph	13 - 22	86	86%	1% / 1	13% / 13

Roadway	Barham Drive		
Segment	Twin Oaks Valley Rd to W. La Moree Rd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	45
Roadway Width (feet)	82	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.52/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

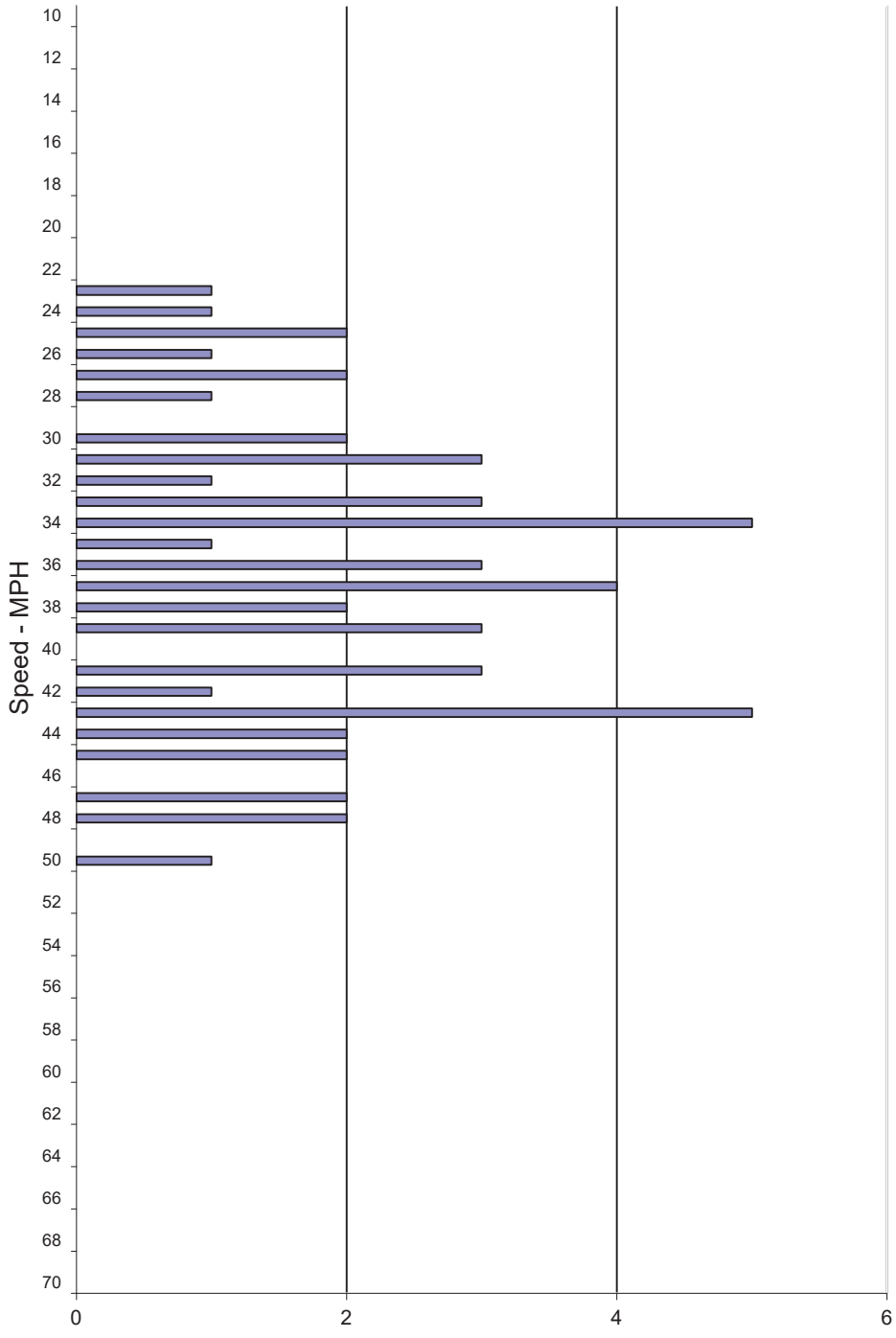
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** E Barham Dr E/O Industrial St
TIME: 13:07-13:37 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-083

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	1
25	2
26	1
27	2
28	1
29	
30	2
31	3
32	1
33	3
34	5
35	1
36	3
37	4
38	2
39	3
40	
41	3
42	1
43	5
44	2
45	2
46	
47	2
48	2
49	
50	1
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	53	23 - 50	37 mph	44 mph	30 - 39	27	51%	15% / 8	34% / 18

Spot Speed Study

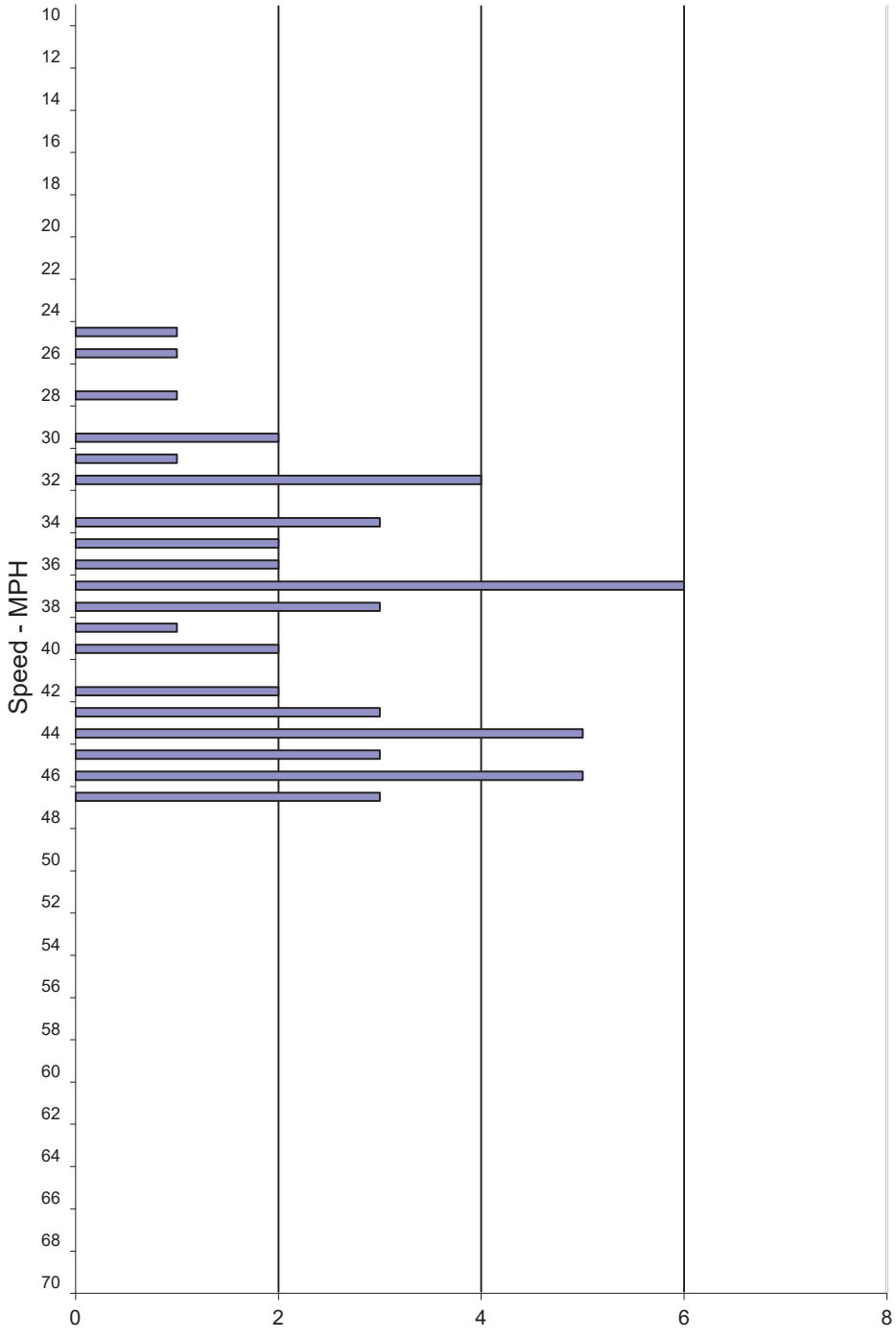
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** E Barham Dr E/O Industrial St
TIME: 13:07-13:37 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-083

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	1
26	1
27	
28	1
29	
30	2
31	1
32	4
33	
34	3
35	2
36	2
37	6
38	3
39	1
40	2
41	
42	2
43	3
44	5
45	3
46	5
47	3
48	
49	
50	
51	
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62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	25 - 47	38 mph	46 mph	37 - 46	30	60%	34% / 17	6% / 3

Spot Speed Study

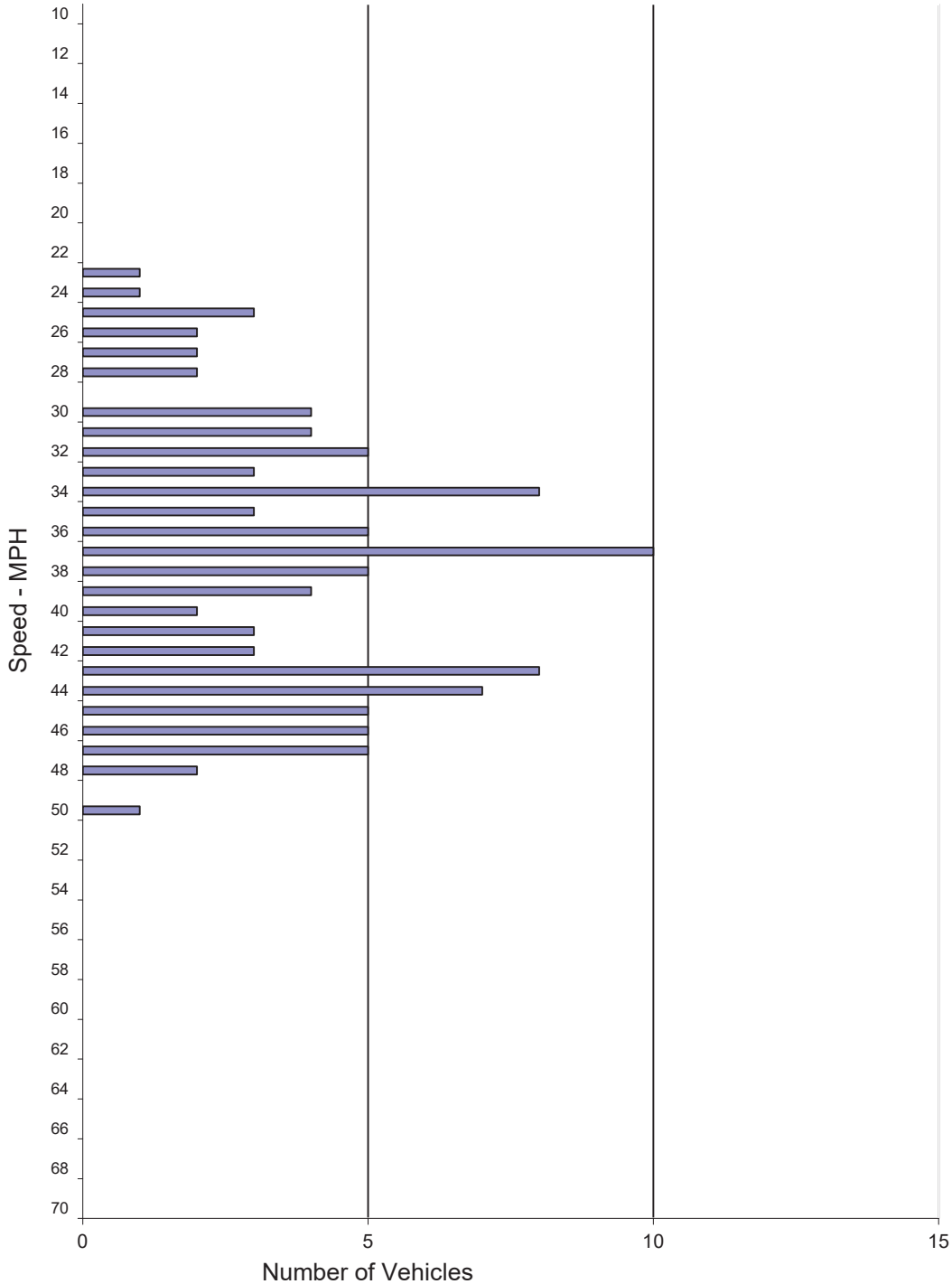
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** E Barham Dr E/O Industrial St
TIME: 13:07-13:37 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-083

Eastbound & Westbound Spot Speeds

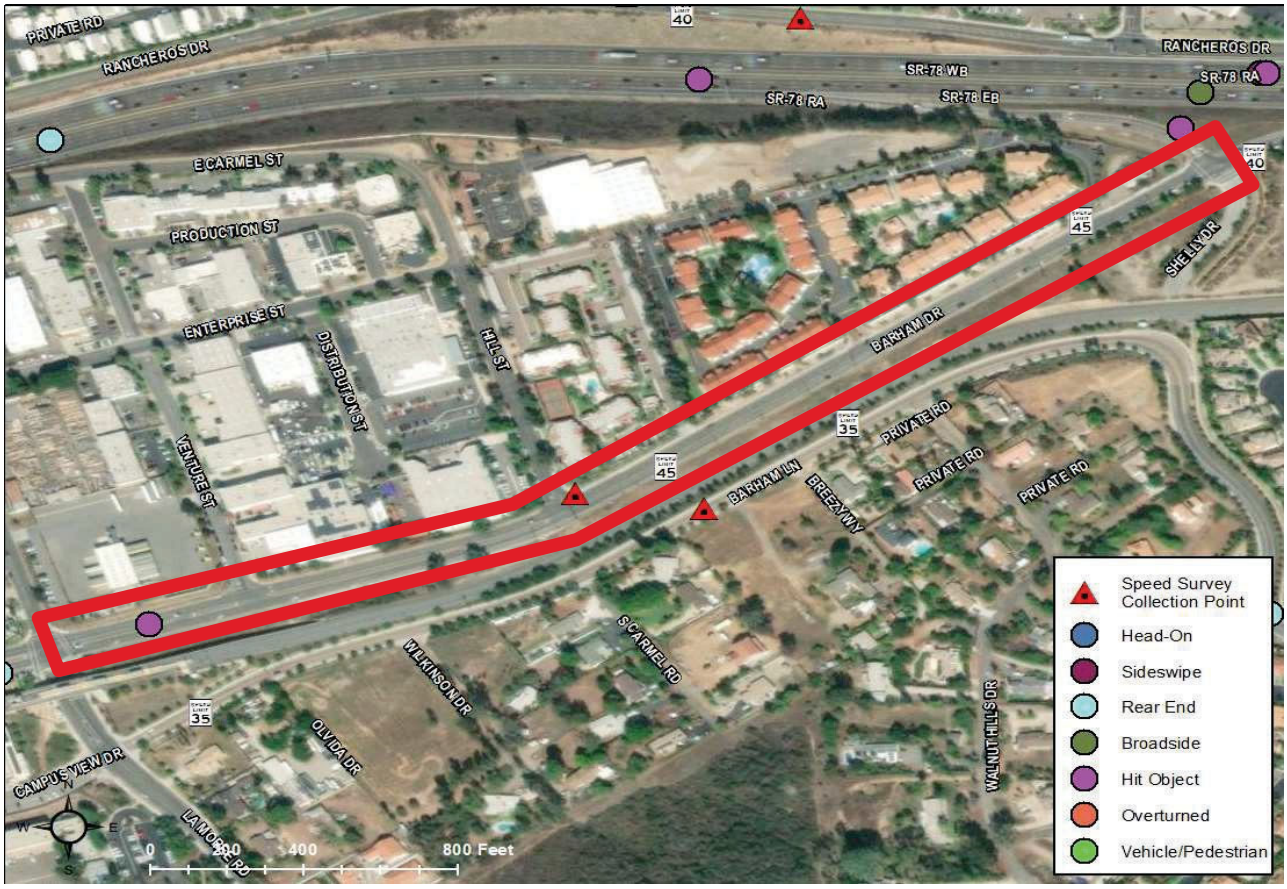
Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	1
25	3
26	2
27	2
28	2
29	
30	4
31	4
32	5
33	3
34	8
35	3
36	5
37	10
38	5
39	4
40	2
41	3
42	3
43	8
44	7
45	5
46	5
47	5
48	2
49	
50	1
51	
52	
53	
54	
55	
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58	
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60	
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62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	103	23 - 50	37 mph	45 mph	36 - 45	52	50%	36% / 38	13% / 13

Roadway	Barham Drive		
Segment	W. La Moree Rd to EB SR-78 Off Ramp		
Pedestrian Facilities	Intermittent	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	48
Roadway Width (feet)	52	Recommended Speed Limit	45
No. of Striped Lanes	3	Collision Rate/Statewide Collision Rate*	0.79/1.33
Median	Center Left Turn Lane	2019, District 11, Urban, 2 and 3 Lanes	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

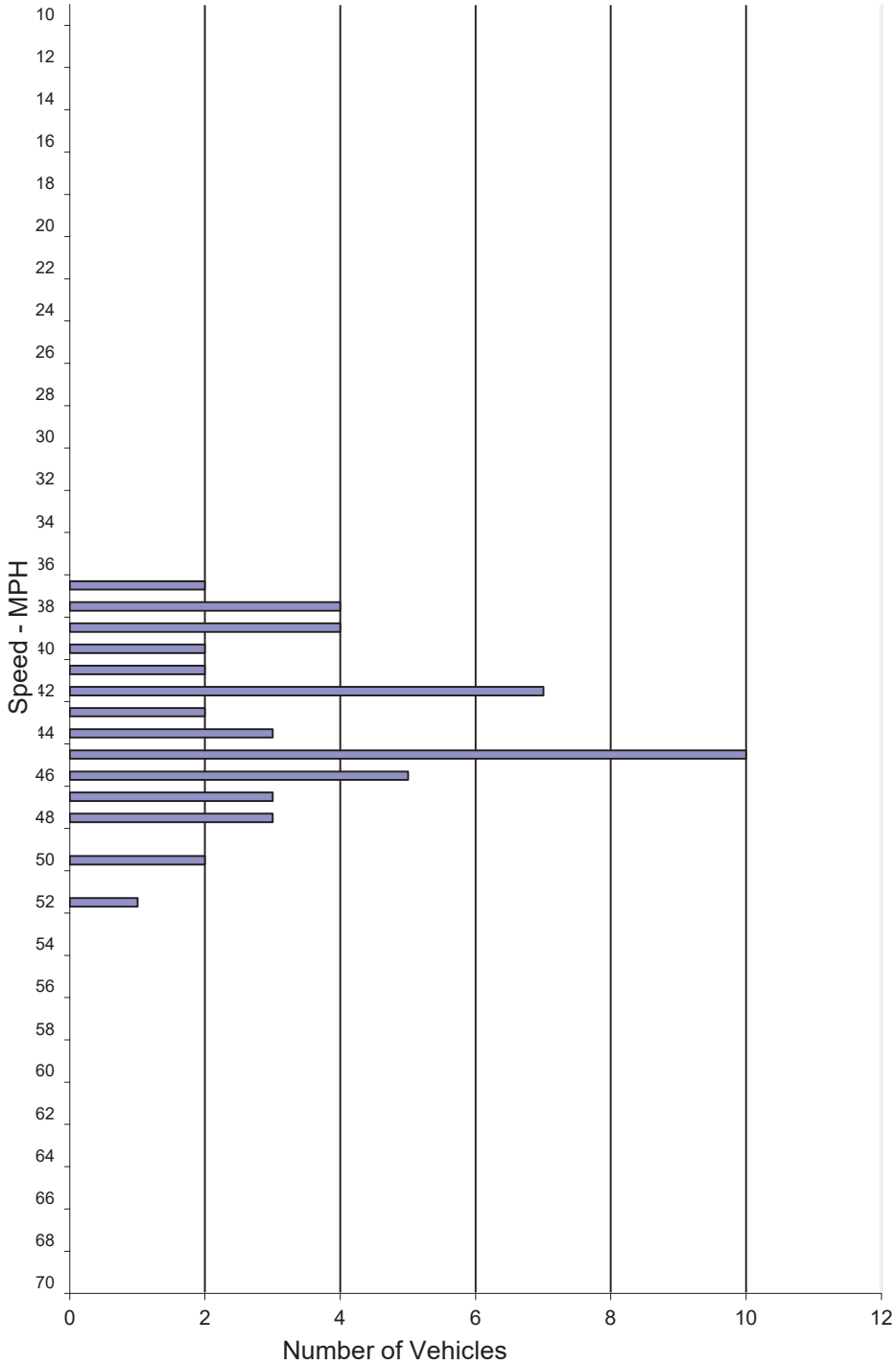
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** E Barham Dr E/O Hill St
TIME: 13:00-13:30 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-054

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	2
38	4
39	4
40	2
41	2
42	7
43	2
44	3
45	10
46	5
47	3
48	3
49	
50	2
51	
52	1
53	
54	
55	
56	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	37 - 52	44 mph	47 mph	38 - 47	42	84%	4% / 2	12% / 6

Spot Speed Study

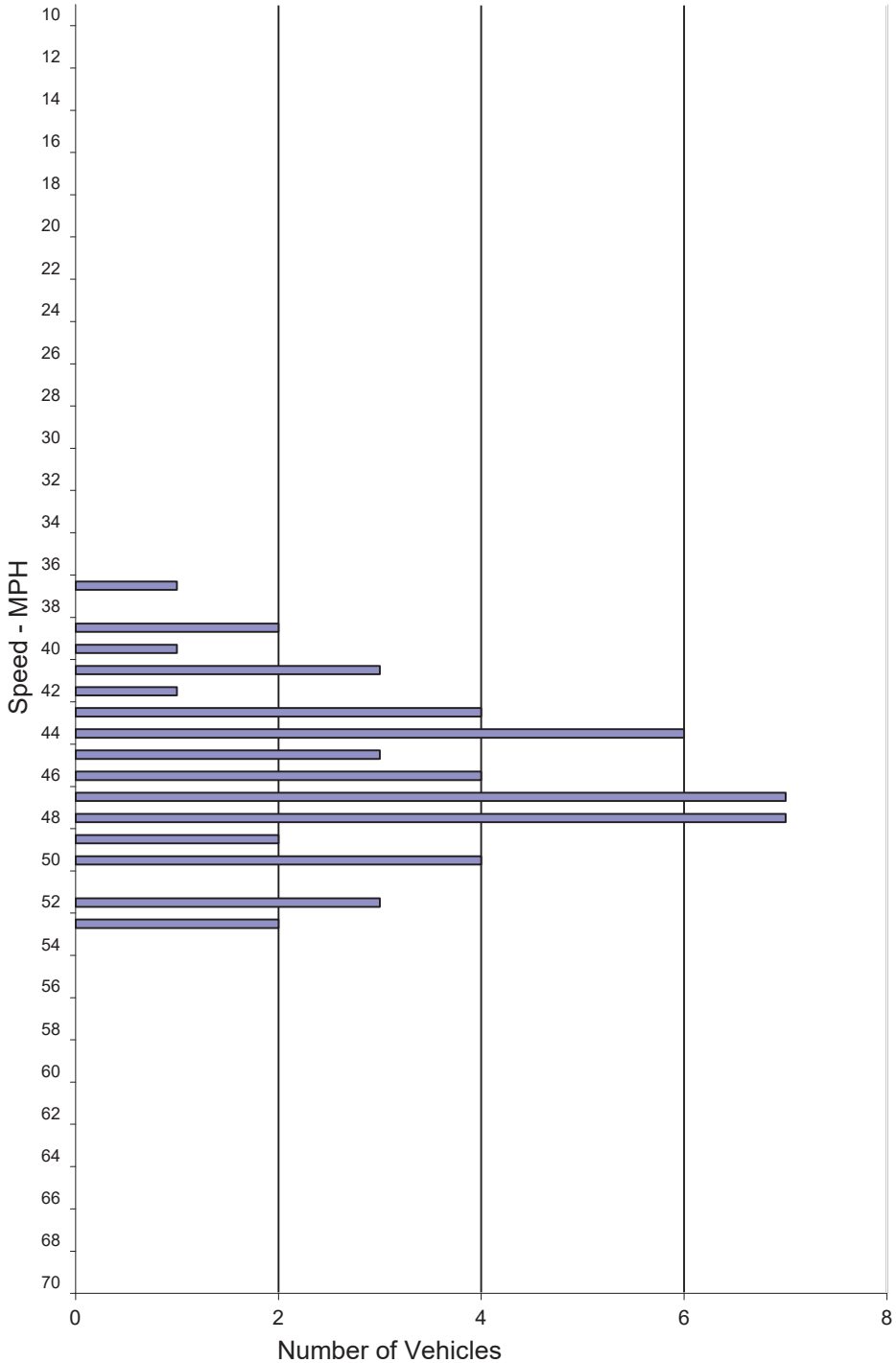
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** E Barham Dr E/O Hill St
TIME: 13:00-13:30 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-054

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
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18	
19	
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21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	1
38	
39	2
40	1
41	3
42	1
43	4
44	6
45	3
46	4
47	7
48	7
49	2
50	4
51	
52	3
53	2
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	37 - 53	46 mph	50 mph	41 - 50	41	82%	8% / 4	10% / 5

Spot Speed Study

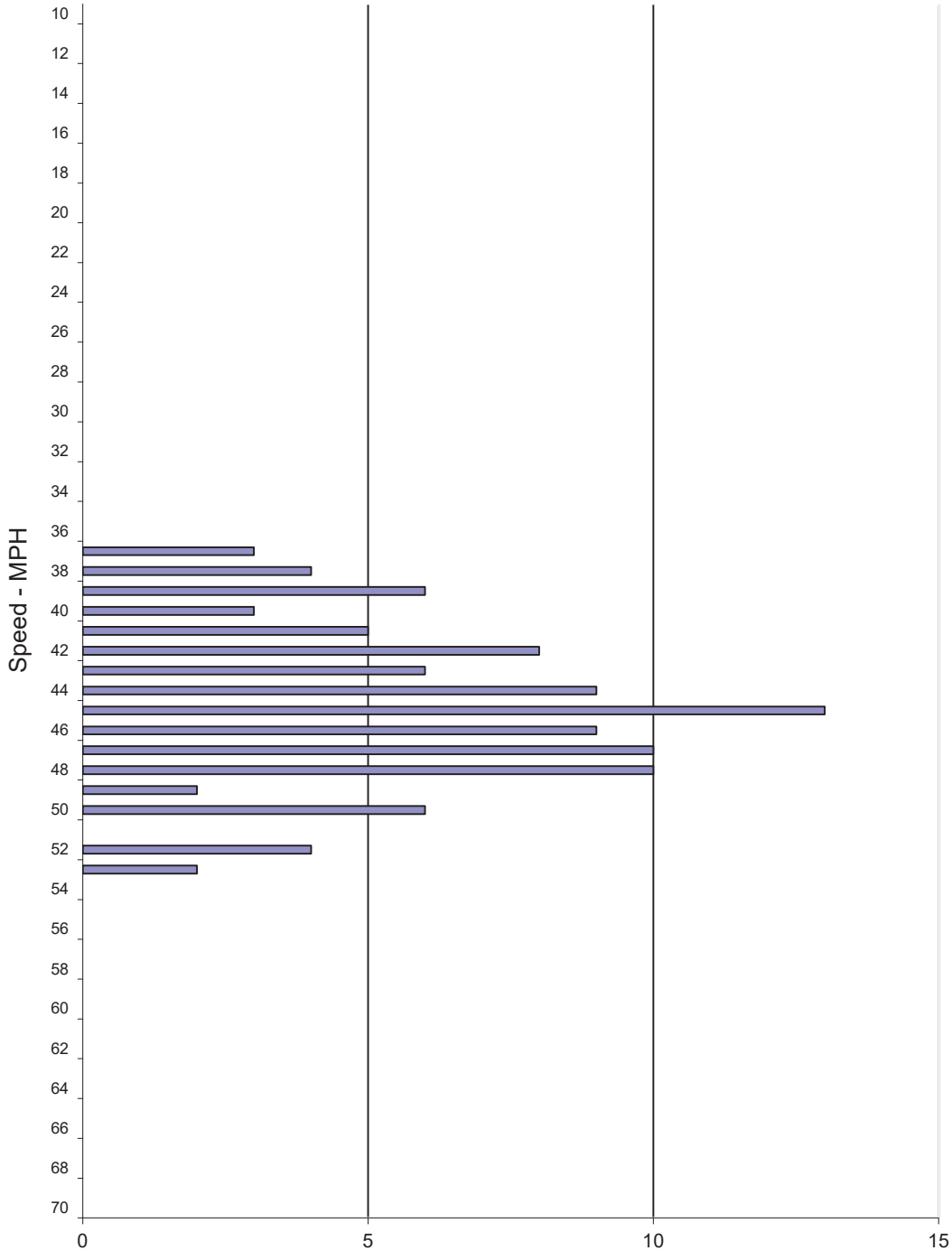
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** E Barham Dr E/O Hill St
TIME: 13:00-13:30 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-054

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
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17	
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20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	3
38	4
39	6
40	3
41	5
42	8
43	6
44	9
45	13
46	9
47	10
48	10
49	2
50	6
51	
52	4
53	2
54	
55	
56	
57	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	37 - 53	45 mph	48 mph	39 - 48	79	79%	7% / 7	14% / 14

Roadway	Barham Drive		
Segment	EB SR-78 Off Ramp to Woodland Pkwy		
Pedestrian Facilities	Intermittent	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	43
Roadway Width (feet)	38	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.65/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

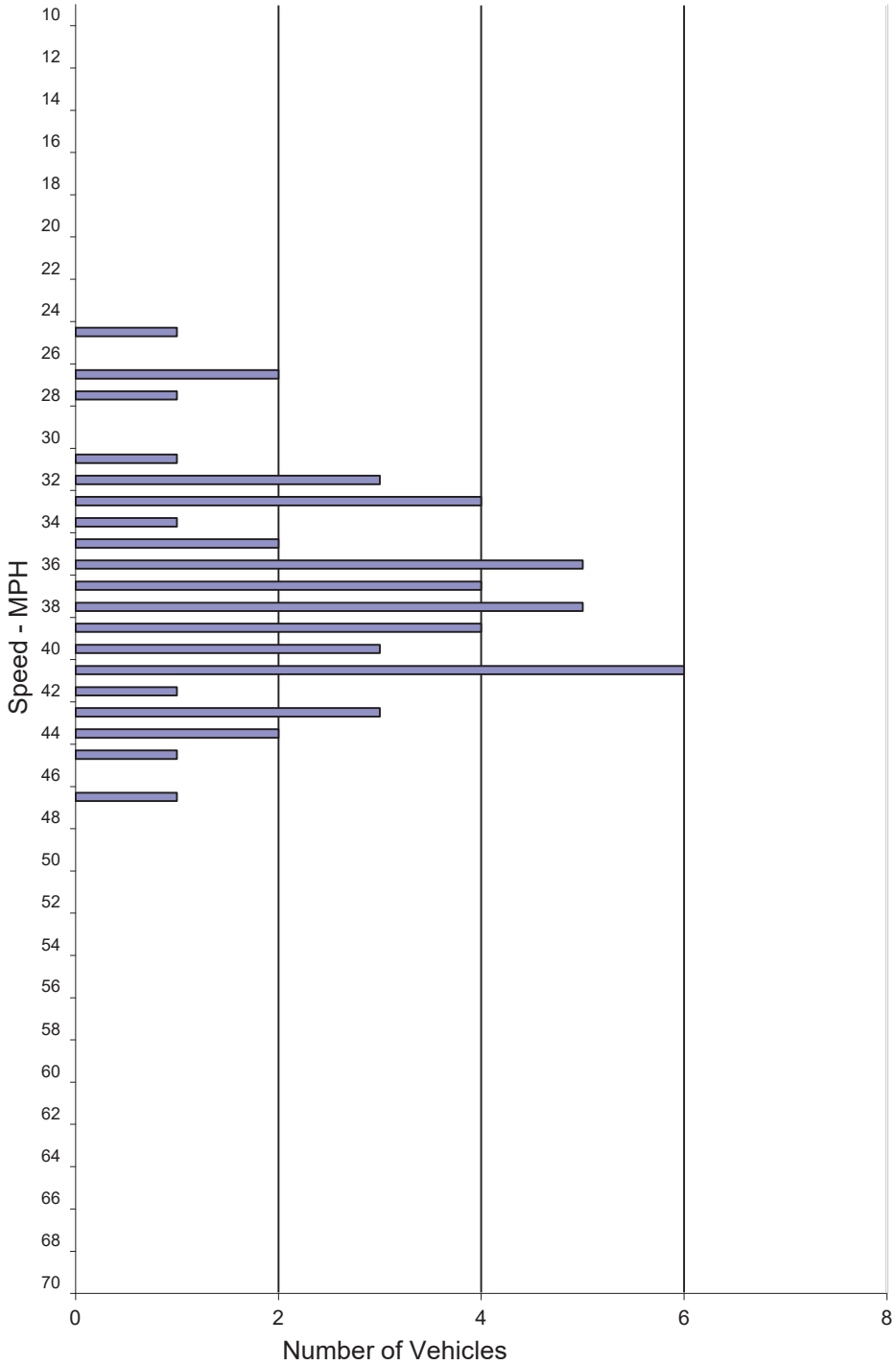
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** E Barham Dr E/O S Warplex Ave/Ronald Packard Pkwy EB Ramp Off
TIME: 10:00-10:21 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-041

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	1
26	
27	2
28	1
29	
30	
31	1
32	3
33	4
34	1
35	2
36	5
37	4
38	5
39	4
40	3
41	6
42	1
43	3
44	2
45	1
46	
47	1
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	25 - 47	38 mph	42 mph	32 - 41	37	74%	10% / 5	16% / 8

Spot Speed Study

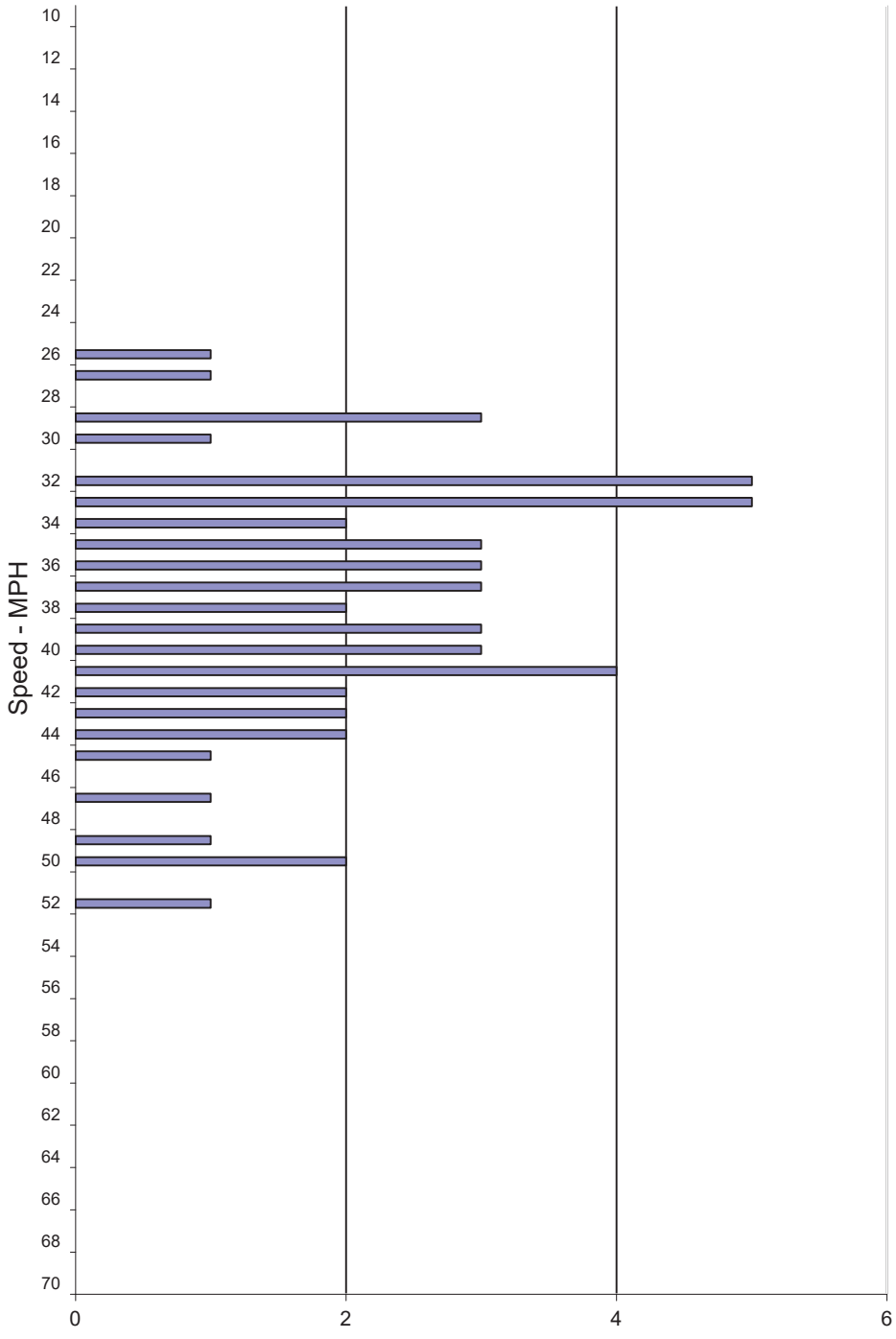
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** E Barham Dr E/O S Warplex Ave/Ronald Packard Pkwy EB Ramp Off
TIME: 10:00-10:21 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-041

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	1
27	1
28	
29	3
30	1
31	
32	5
33	5
34	2
35	3
36	3
37	3
38	2
39	3
40	3
41	4
42	2
43	2
44	2
45	1
46	
47	1
48	
49	1
50	2
51	
52	1
53	
54	
55	
56	
57	
58	
59	
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61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	51	26 - 52	37 mph	44 mph	32 - 41	33	65%	11% / 6	24% / 12

Spot Speed Study

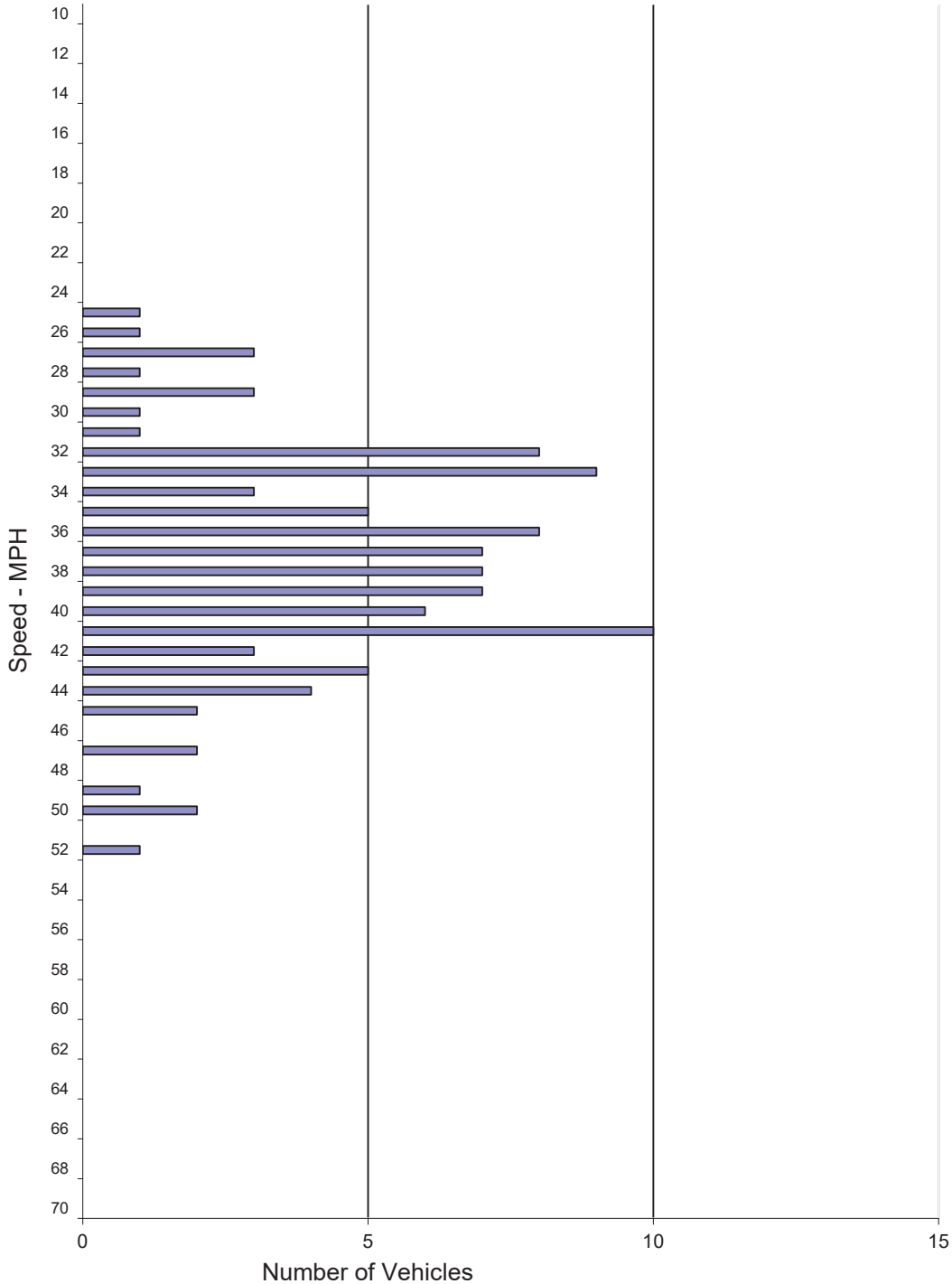
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** E Barham Dr E/O S Warplex Ave/Ronald Packard Pkwy EB Ramp Off
TIME: 10:00-10:21 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-041

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	1
26	1
27	3
28	1
29	3
30	1
31	1
32	8
33	9
34	3
35	5
36	8
37	7
38	7
39	7
40	6
41	10
42	3
43	5
44	4
45	2
46	
47	2
48	
49	1
50	2
51	
52	1
53	
54	
55	
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60	
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63	
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66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	101	25 - 52	37 mph	43 mph	32 - 41	70	69%	10% / 11	20% / 20

Roadway	Barham Drive		
Segment	Woodland Pkwy to SR-78 EB On Ramp		
Pedestrian Facilities	Intermittent	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	48
Roadway Width (feet)	64	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.59/0.84
Median	Center Left Turn Lane	2019, District 11, Urban, 4 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

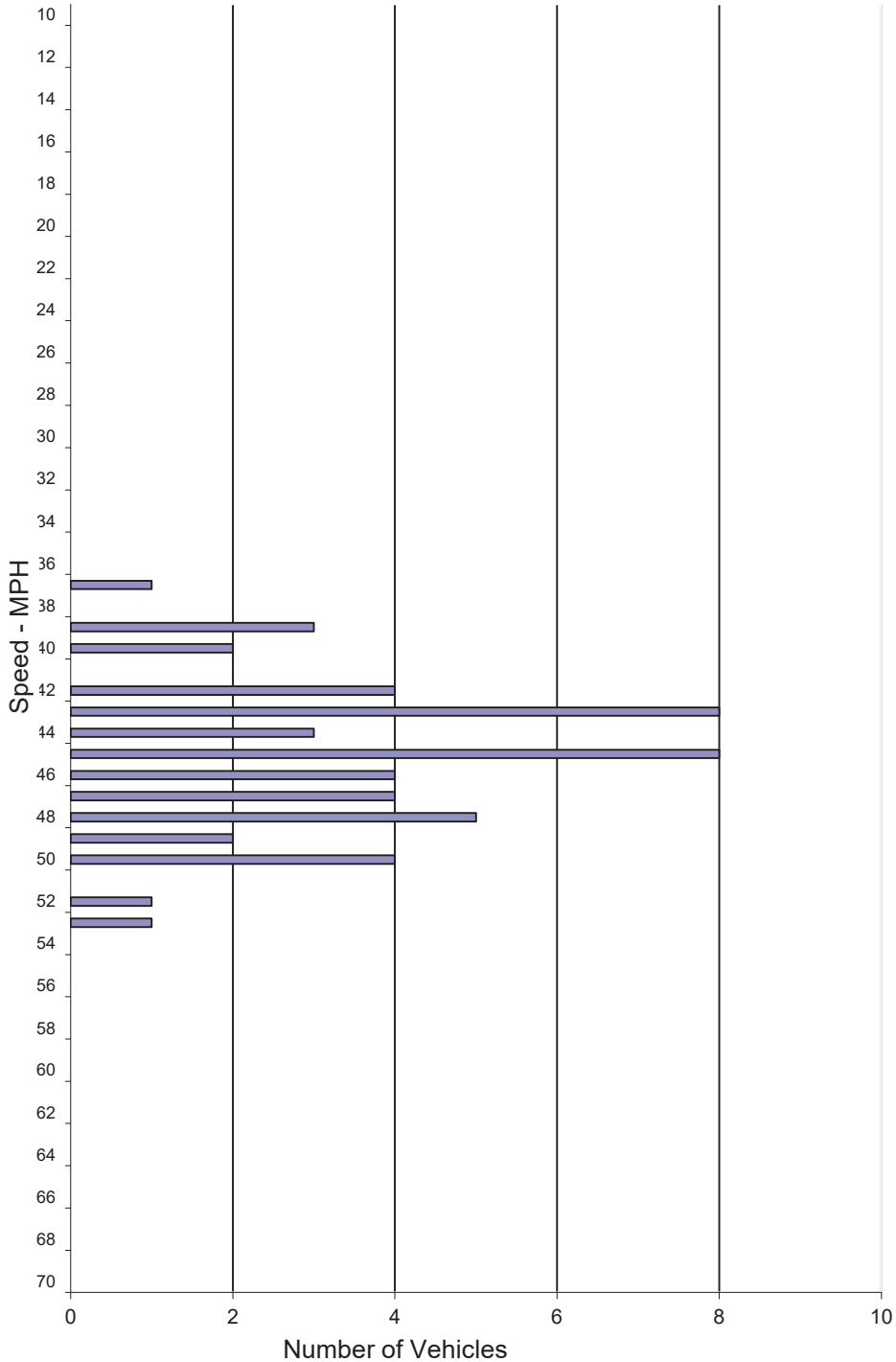
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/18/2023 **Location:** E Barham Dr W/O La Moree Rd
TIME: 13:50-14:35 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-008

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
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24	
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31	
32	
33	
34	
35	
36	
37	1
38	
39	3
40	2
41	
42	4
43	8
44	3
45	8
46	4
47	4
48	5
49	2
50	4
51	
52	1
53	1
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	37 - 53	45 mph	49 mph	41 - 50	42	84%	12% / 6	4% / 2

Spot Speed Study

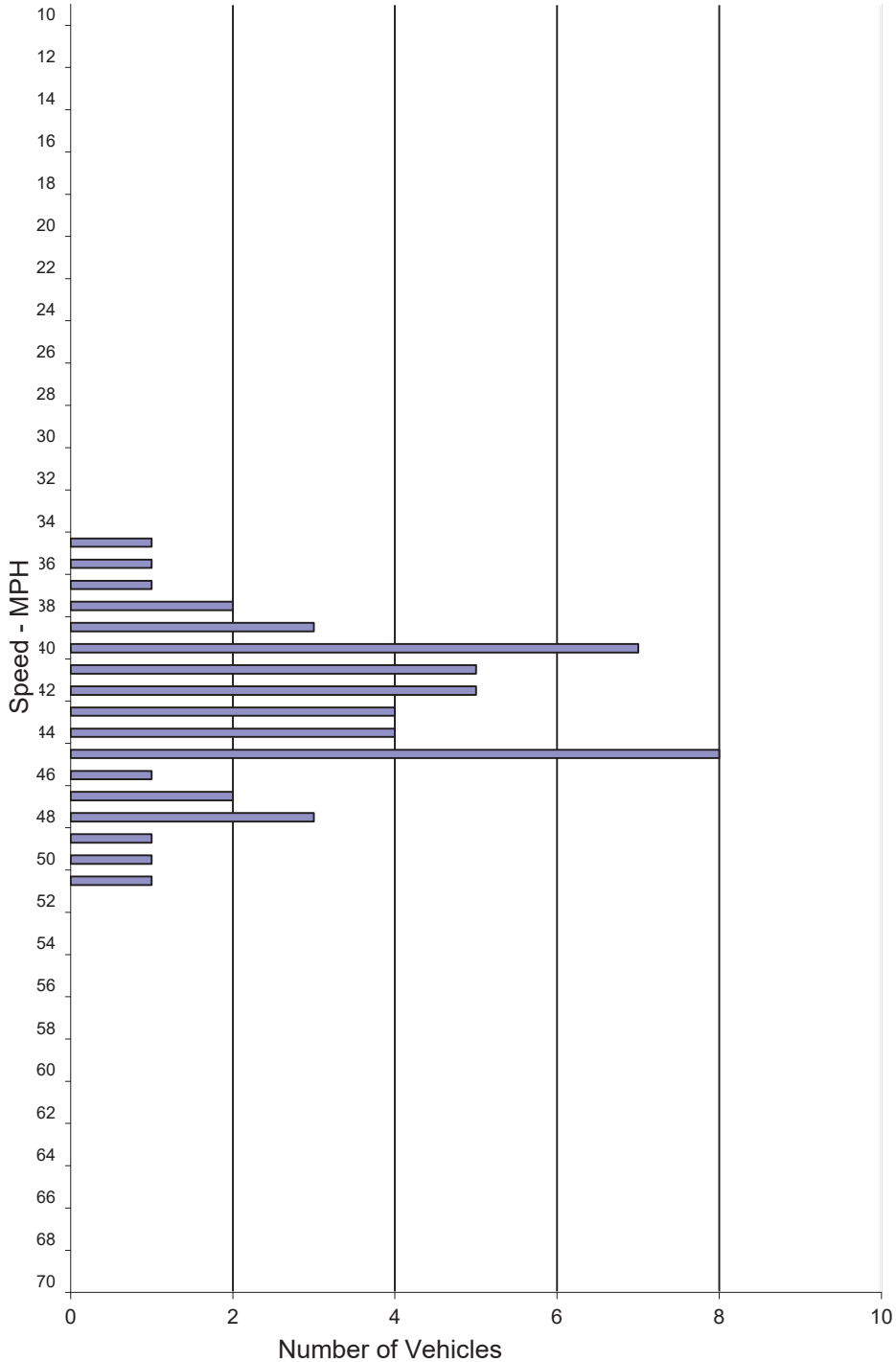
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/18/2023 **Location:** E Barham Dr W/O La Moree Rd
TIME: 13:50-14:35 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-008

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
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24	
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30	
31	
32	
33	
34	
35	1
36	1
37	1
38	2
39	3
40	7
41	5
42	5
43	4
44	4
45	8
46	1
47	2
48	3
49	1
50	1
51	1
52	
53	
54	
55	
56	
57	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	35 - 51	42 mph	47 mph	39 - 48	42	84%	10% / 5	6% / 3

Spot Speed Study

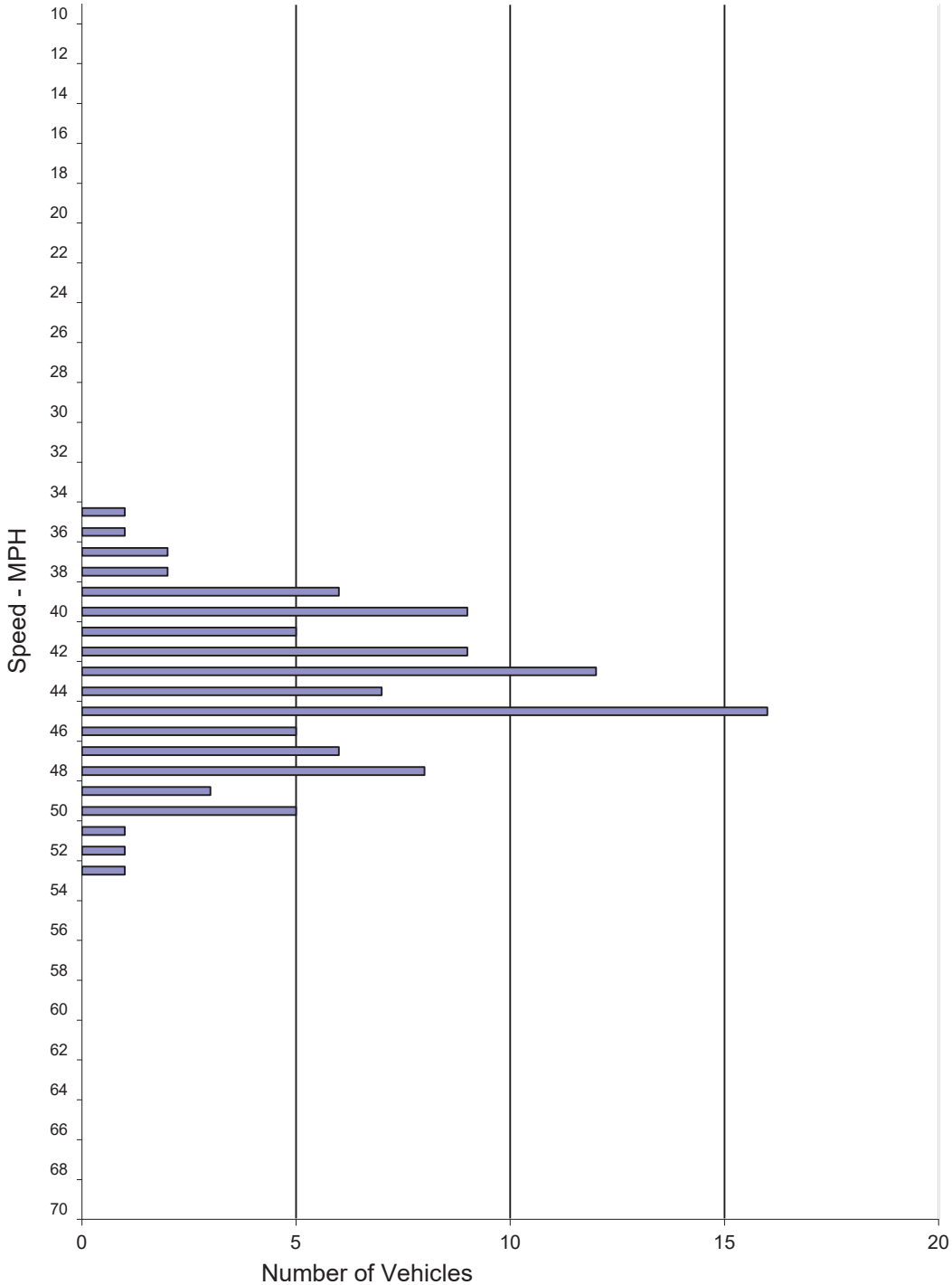
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/18/2023 **Location:** E Barham Dr W/O La Moree Rd
TIME: 13:50-14:35 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-008

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	1
36	1
37	2
38	2
39	6
40	9
41	5
42	9
43	12
44	7
45	16
46	5
47	6
48	8
49	3
50	5
51	1
52	1
53	1
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	35 - 53	44 mph	48 mph	39 - 48	83	83%	6% / 6	11% / 11

Roadway	Barham Drive		
Segment	EB SR-78 On Ramp to Eastern City Limits		
Pedestrian Facilities	Intermittent	Posted Speed Limit	40
Bicycle Facilities	No	85th Percentile Speed	42
Roadway Width (feet)	34	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.3/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

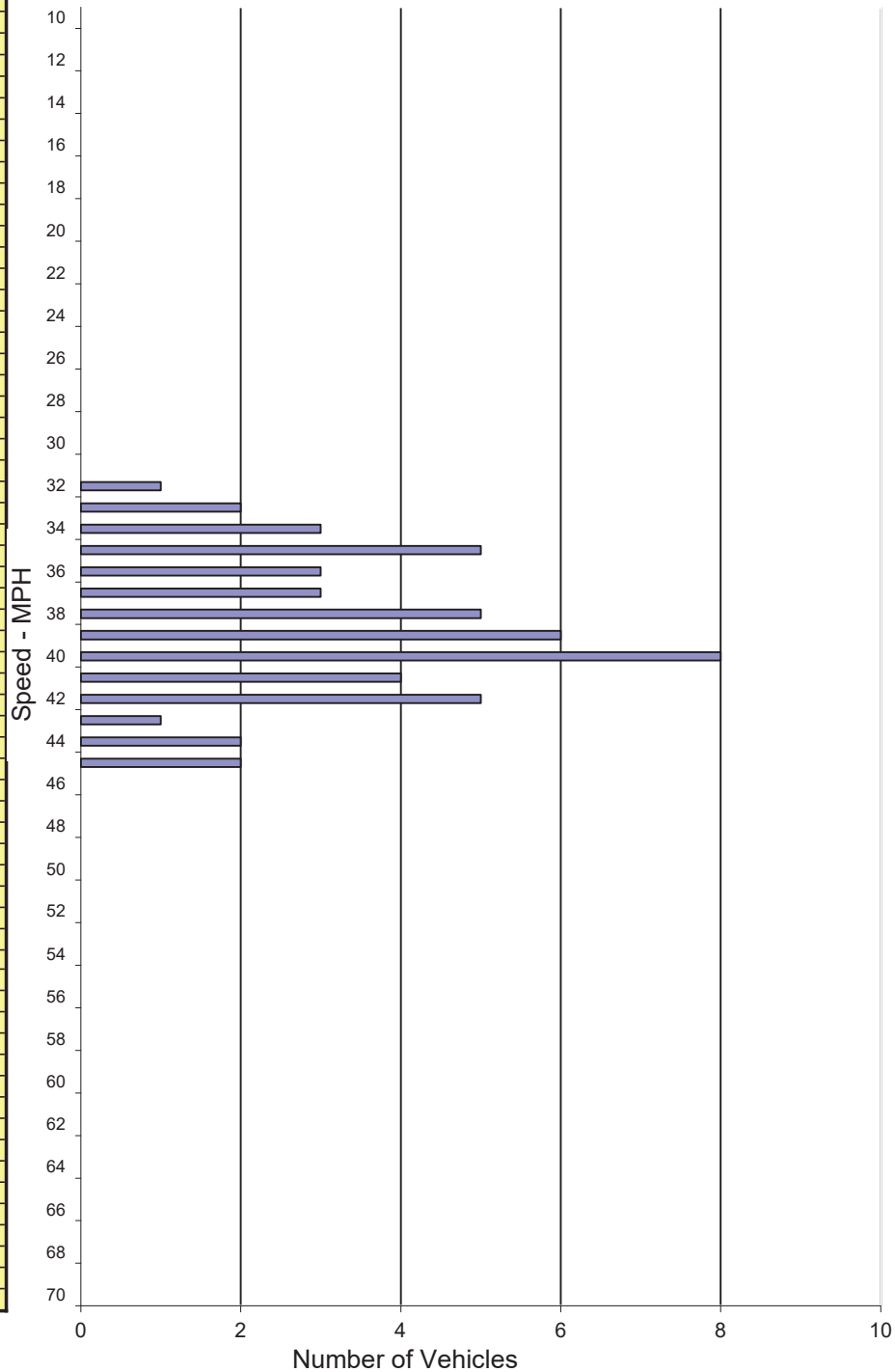
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** E Barham Dr W/O Meyers Ave
TIME: 09:00-09:30 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-010

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
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22	
23	
24	
25	
26	
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29	
30	
31	
32	1
33	2
34	3
35	5
36	3
37	3
38	5
39	6
40	8
41	4
42	5
43	1
44	2
45	2
46	
47	
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54	
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56	
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63	
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66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	32 - 45	39 mph	42 mph	33 - 42	44	88%	2% / 1	10% / 5

Spot Speed Study

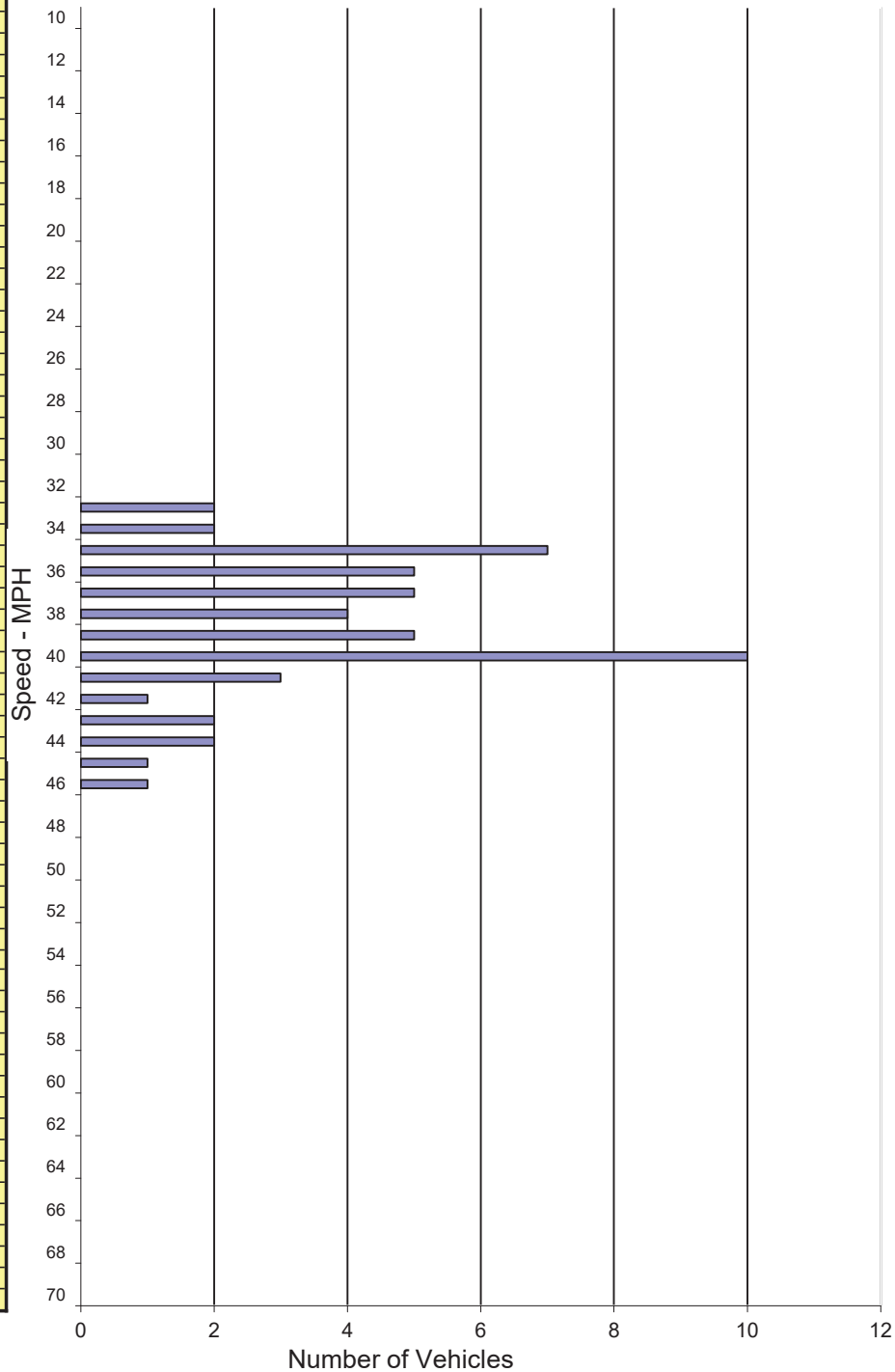
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** E Barham Dr W/O Meyers Ave
TIME: 09:00-09:30 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-010

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
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16	
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18	
19	
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22	
23	
24	
25	
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30	
31	
32	
33	2
34	2
35	7
36	5
37	5
38	4
39	5
40	10
41	3
42	1
43	2
44	2
45	1
46	1
47	
48	
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63	
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65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	33 - 46	38 mph	41 mph	33 - 42	44	88%	0% / 0	12% / 6

Spot Speed Study

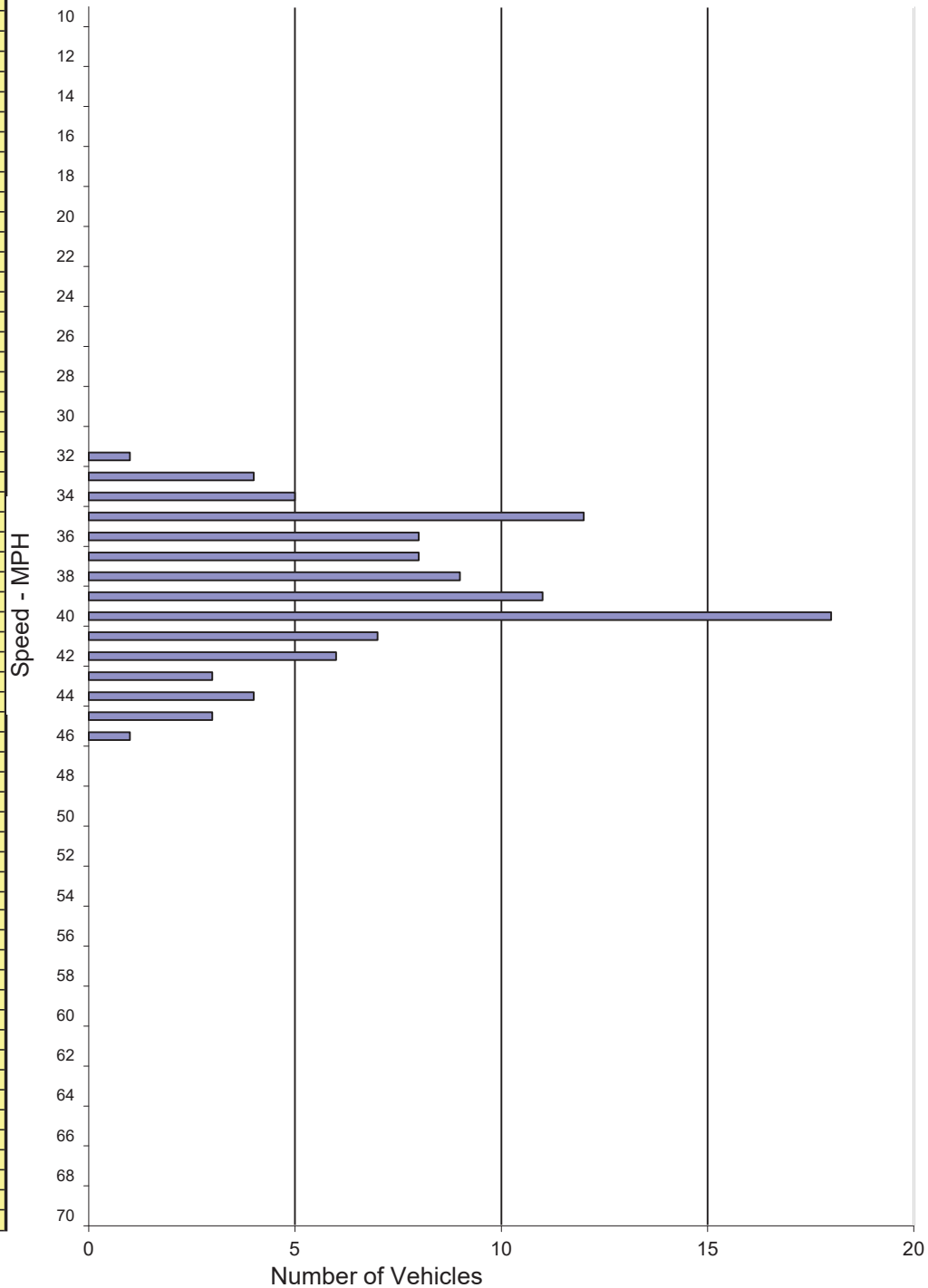
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** E Barham Dr W/O Meyers Ave
TIME: 09:00-09:30 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-010

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	1
33	4
34	5
35	12
36	8
37	8
38	9
39	11
40	18
41	7
42	6
43	3
44	4
45	3
46	1
47	
48	
49	
50	
51	
52	
53	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	32 - 46	39 mph	42 mph	33 - 42	88	88%	1% / 1	11% / 11

Roadway	Barham Lane		
Segment	La Moree Rd to Shelly Dr		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	Class II	85th Percentile Speed	40
Roadway Width (feet)	36	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

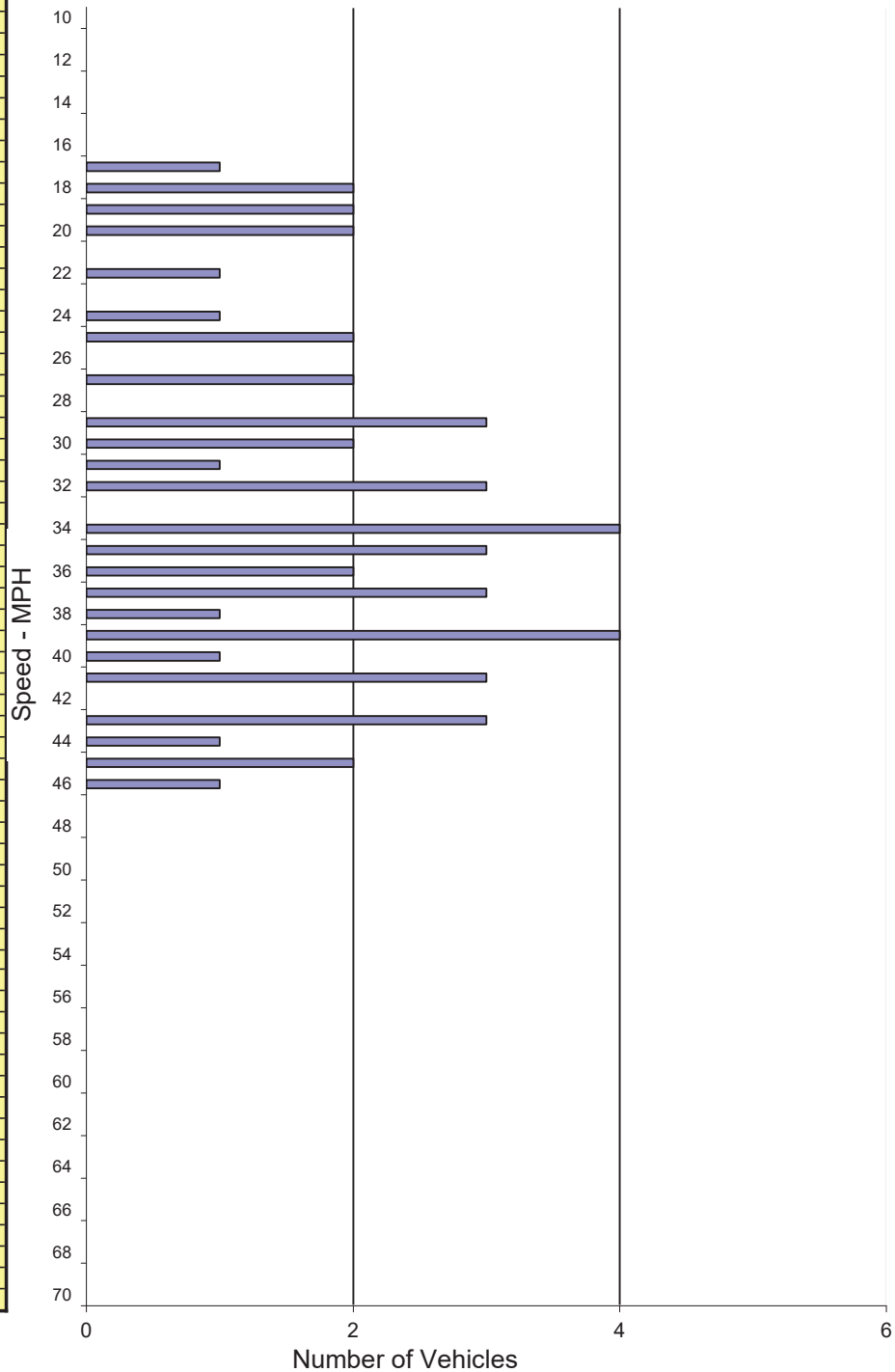
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** E Barham Ln Bet. La Moree Rd & Shelly Dr
TIME: 09:00-09:45 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-006

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	1
18	2
19	2
20	2
21	
22	1
23	
24	1
25	2
26	
27	2
28	
29	3
30	2
31	1
32	3
33	
34	4
35	3
36	2
37	3
38	1
39	4
40	1
41	3
42	
43	3
44	1
45	2
46	1
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62	
63	
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65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	17 - 46	34 mph	41 mph	32 - 41	24	48%	38% / 19	14% / 7

Spot Speed Study

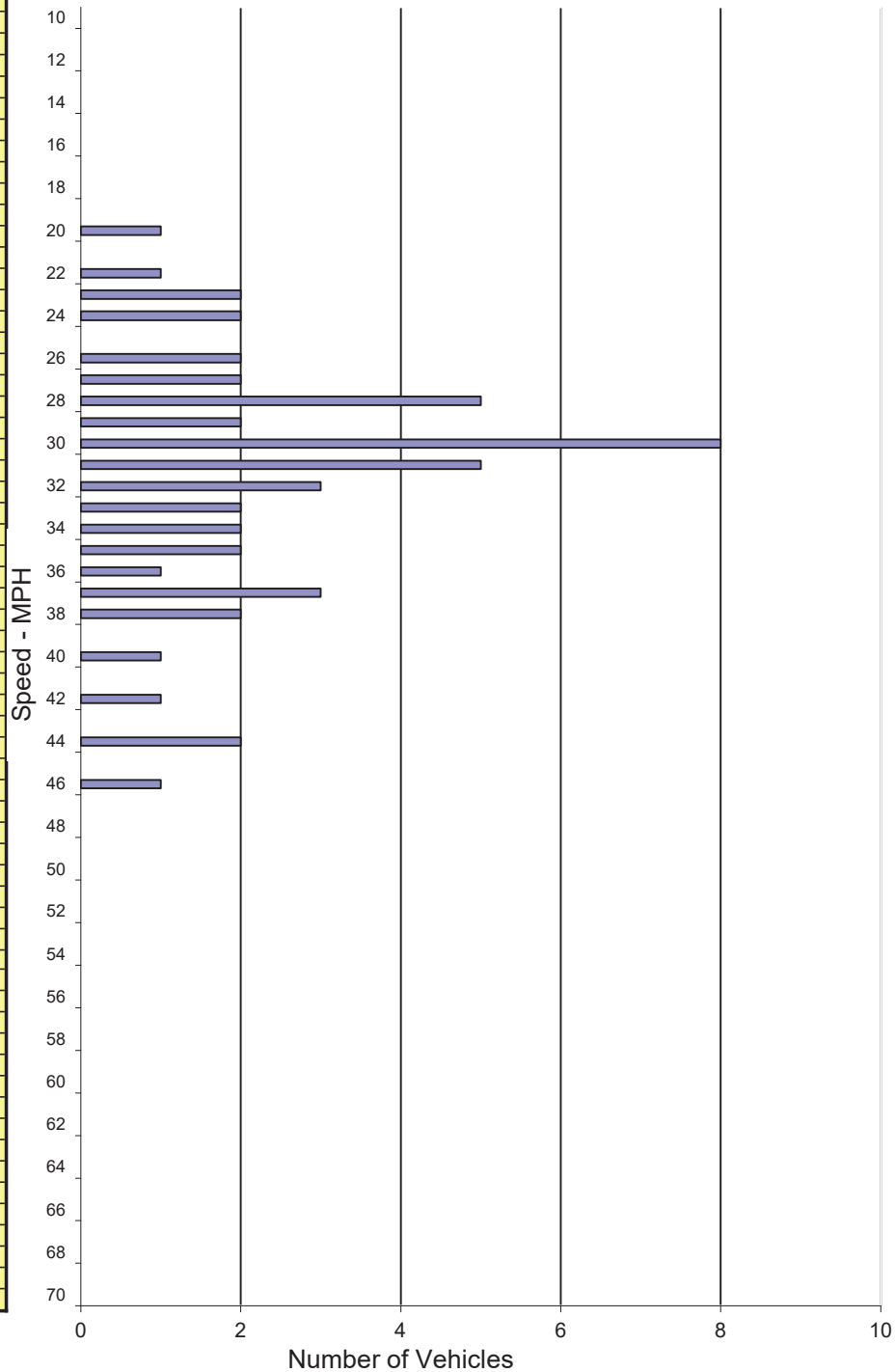
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** E Barham Ln Bet. La Moree Rd & Shelly Dr
TIME: 09:00-09:45 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-006

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	
22	1
23	2
24	2
25	
26	2
27	2
28	5
29	2
30	8
31	5
32	3
33	2
34	2
35	2
36	1
37	3
38	2
39	
40	1
41	
42	1
43	
44	2
45	
46	1
47	
48	
49	
50	
51	
52	
53	
54	
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60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	20 - 46	30 mph	37 mph	26 - 35	33	66%	12% / 6	22% / 11

Spot Speed Study

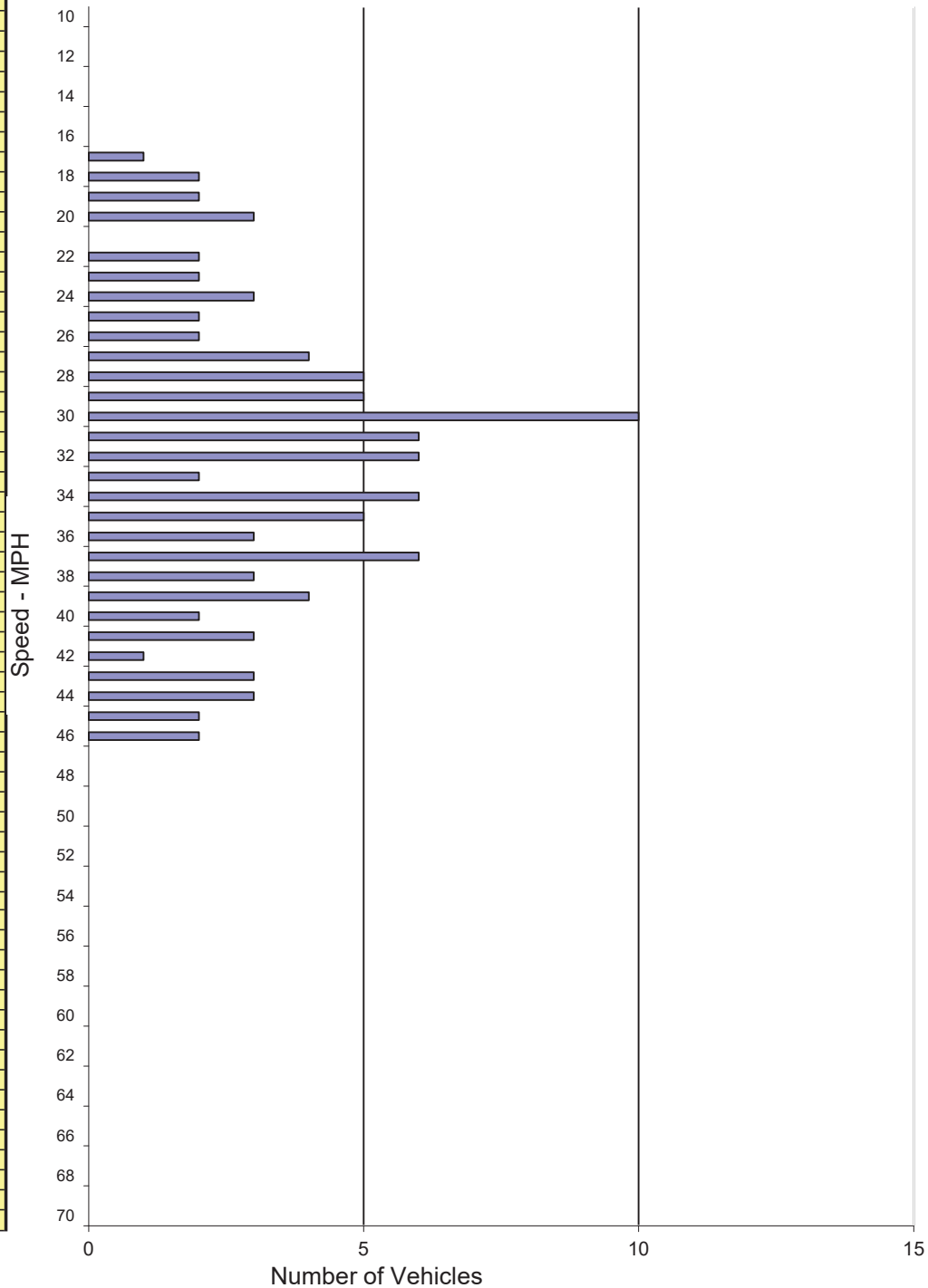
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** E Barham Ln Bet. La Moree Rd & Shelly Dr
TIME: 09:00-09:45 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-006

Northbound & Southbound Spot Speeds

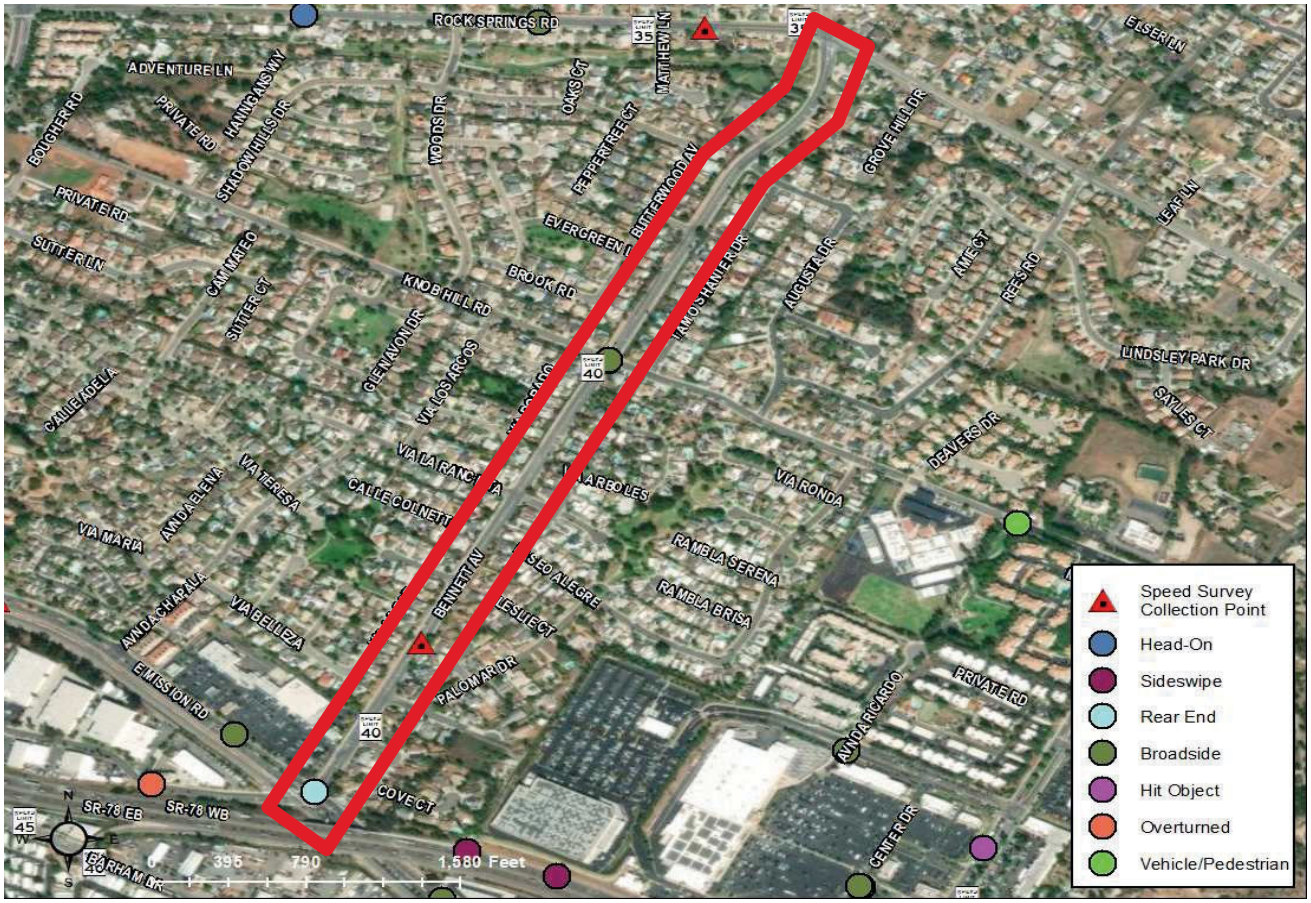
Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	1
18	2
19	2
20	3
21	
22	2
23	2
24	3
25	2
26	2
27	4
28	5
29	5
30	10
31	6
32	6
33	2
34	6
35	5
36	3
37	6
38	3
39	4
40	2
41	3
42	1
43	3
44	3
45	2
46	2
47	
48	
49	
50	
51	
52	
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54	
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57	
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60	
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62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	17 - 46	32 mph	40 mph	28 - 37	54	54%	23% / 23	23% / 23

Roadway	Bennett Avenue		
Segment	Rock Springs Rd to Mission Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	43
Roadway Width (feet)	62	Recommended Speed Limit	40
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.28/0.84
Median	Striped	2019, District 11, Urban, 4 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

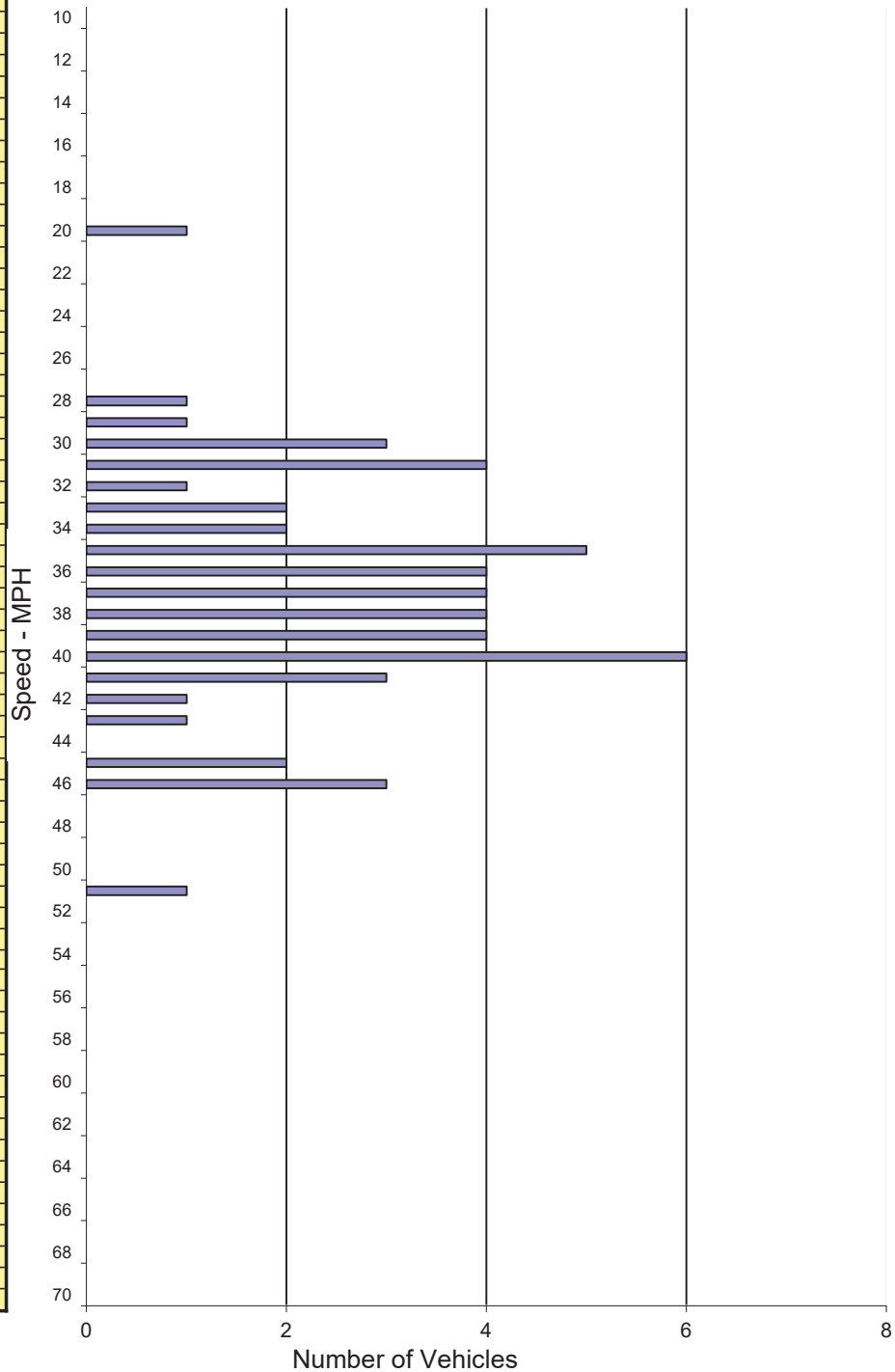
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Bennett Ave N/O Montiel Rd
TIME: 14:10-14:40 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-037

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	
22	
23	
24	
25	
26	
27	
28	1
29	1
30	3
31	4
32	1
33	2
34	2
35	5
36	4
37	4
38	4
39	4
40	6
41	3
42	1
43	1
44	
45	2
46	3
47	
48	
49	
50	
51	1
52	
53	
54	
55	
56	
57	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	53	20 - 51	37 mph	42 mph	31 - 40	36	68%	11% / 6	21% / 11

Spot Speed Study

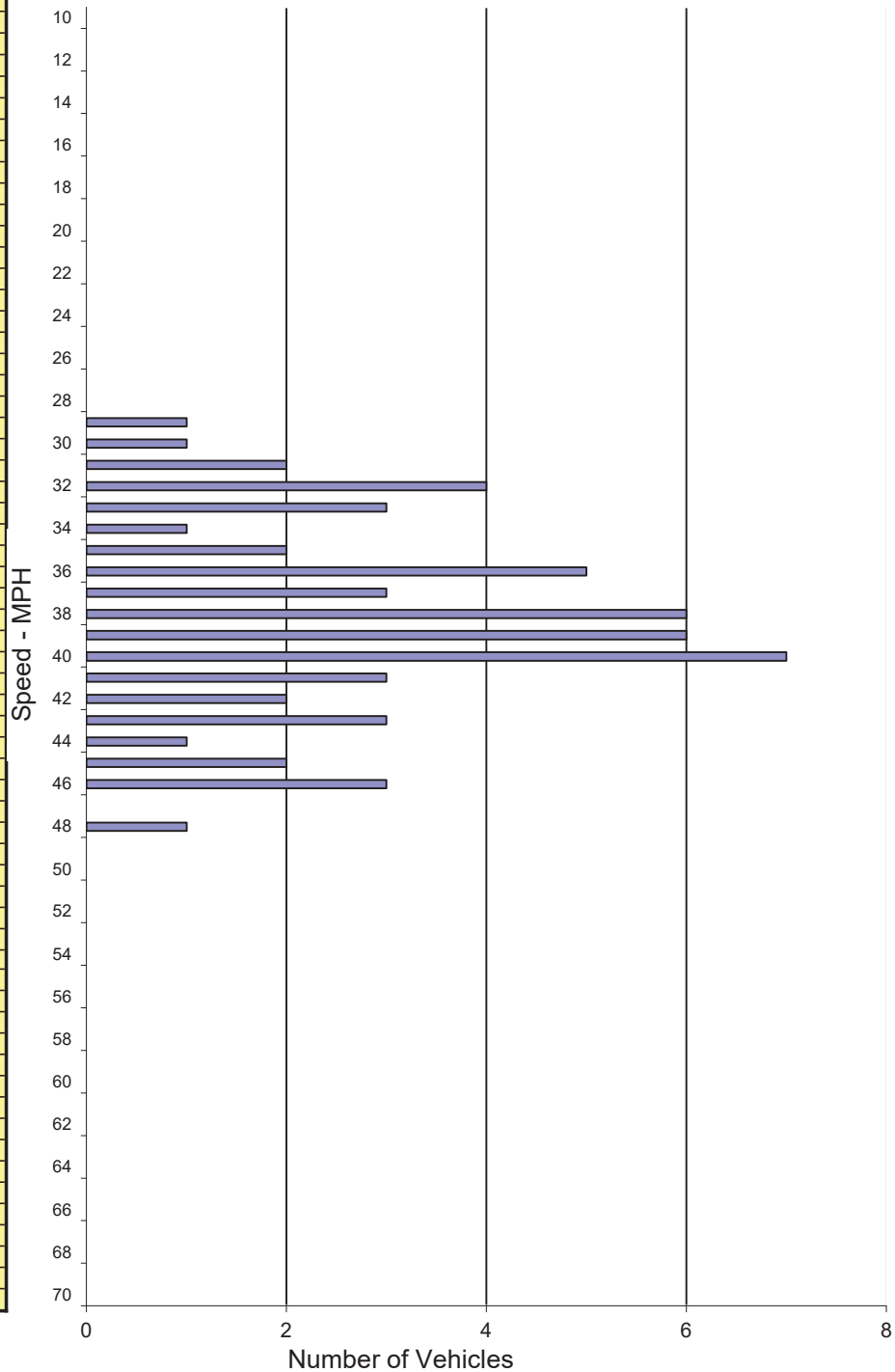
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Bennett Ave N/O Montiel Rd
TIME: 14:10-14:40 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-037

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	1
30	1
31	2
32	4
33	3
34	1
35	2
36	5
37	3
38	6
39	6
40	7
41	3
42	2
43	3
44	1
45	2
46	3
47	
48	1
49	
50	
51	
52	
53	
54	
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69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	56	29 - 48	38 mph	43 mph	32 - 41	40	71%	7% / 4	22% / 12

Spot Speed Study

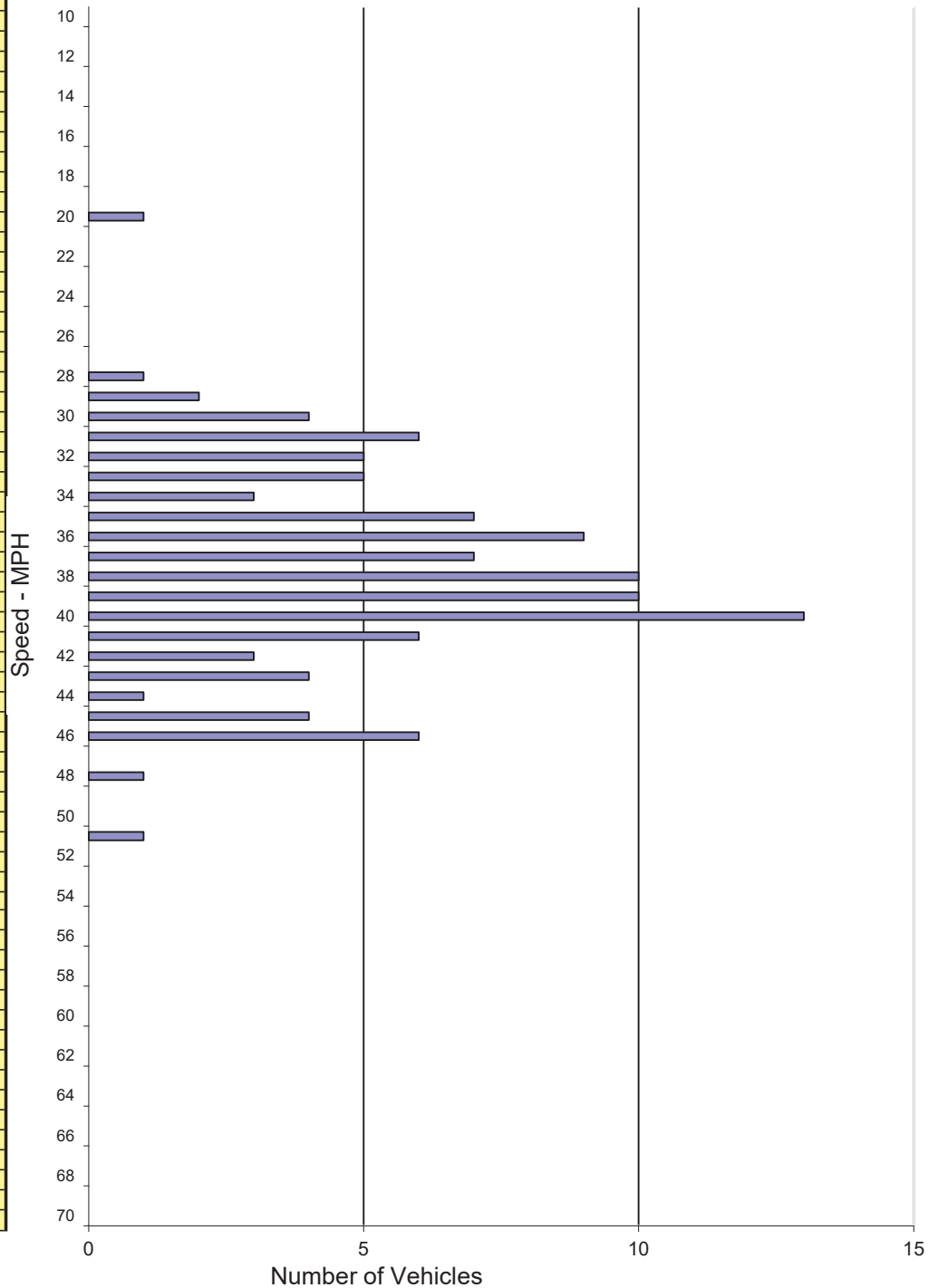
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Bennett Ave N/O Montiel Rd
TIME: 14:10-14:40 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-037

Northbound & Southbound Spot Speeds

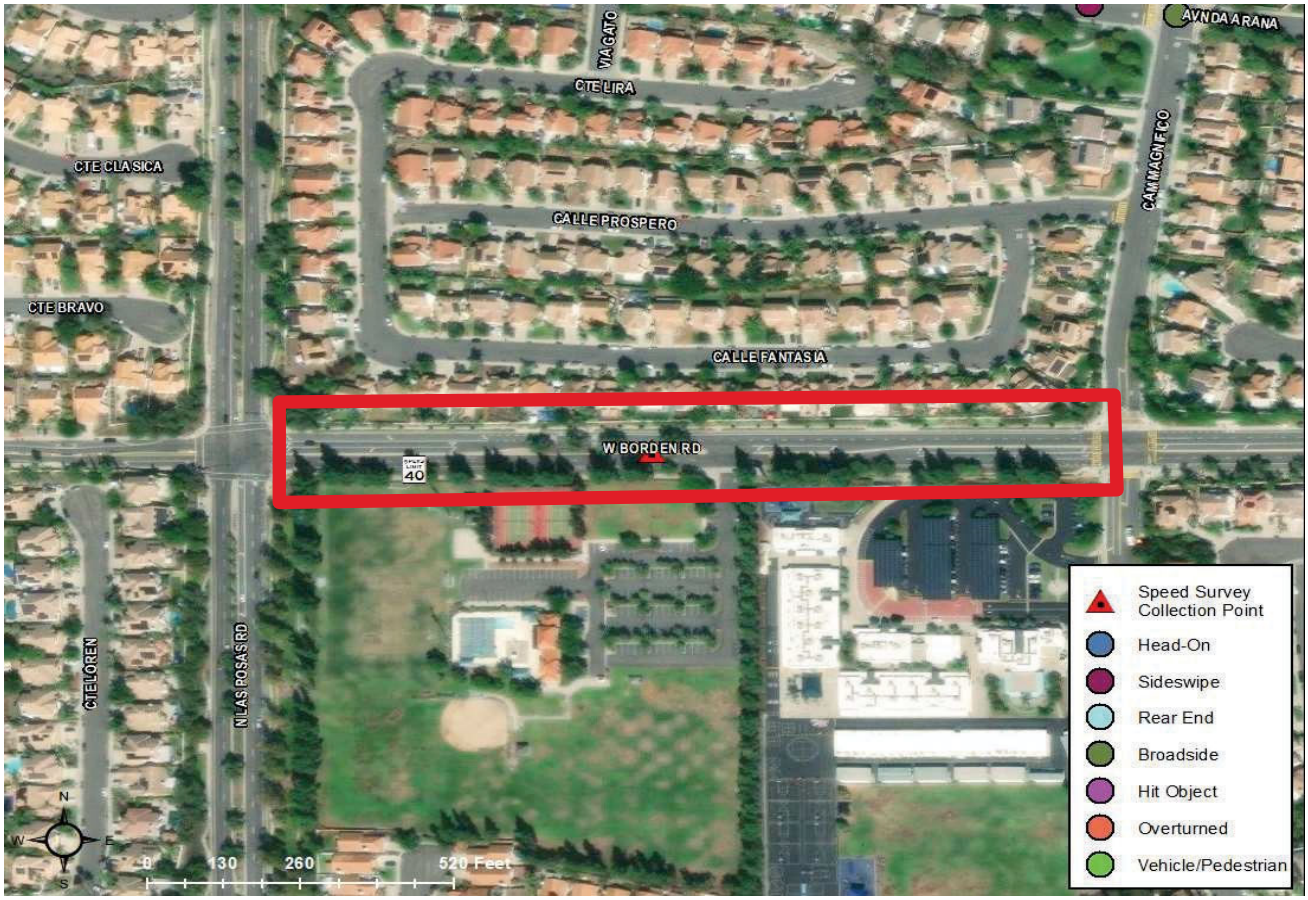
Speed mph	ALL Vehicles
<=10	
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19	
20	1
21	
22	
23	
24	
25	
26	
27	
28	1
29	2
30	4
31	6
32	5
33	5
34	3
35	7
36	9
37	7
38	10
39	10
40	13
41	6
42	3
43	4
44	1
45	4
46	6
47	
48	1
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51	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	109	20 - 51	38 mph	43 mph	31 - 40	75	69%	7% / 8	24% / 26

Roadway	Borden Road		
Segment	Las Posas Rd to Camino Magnifico		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	40
Roadway Width (feet)	64	Recommended Speed Limit	40
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	1.38/0.96
Median	Raised	2019, District 11, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

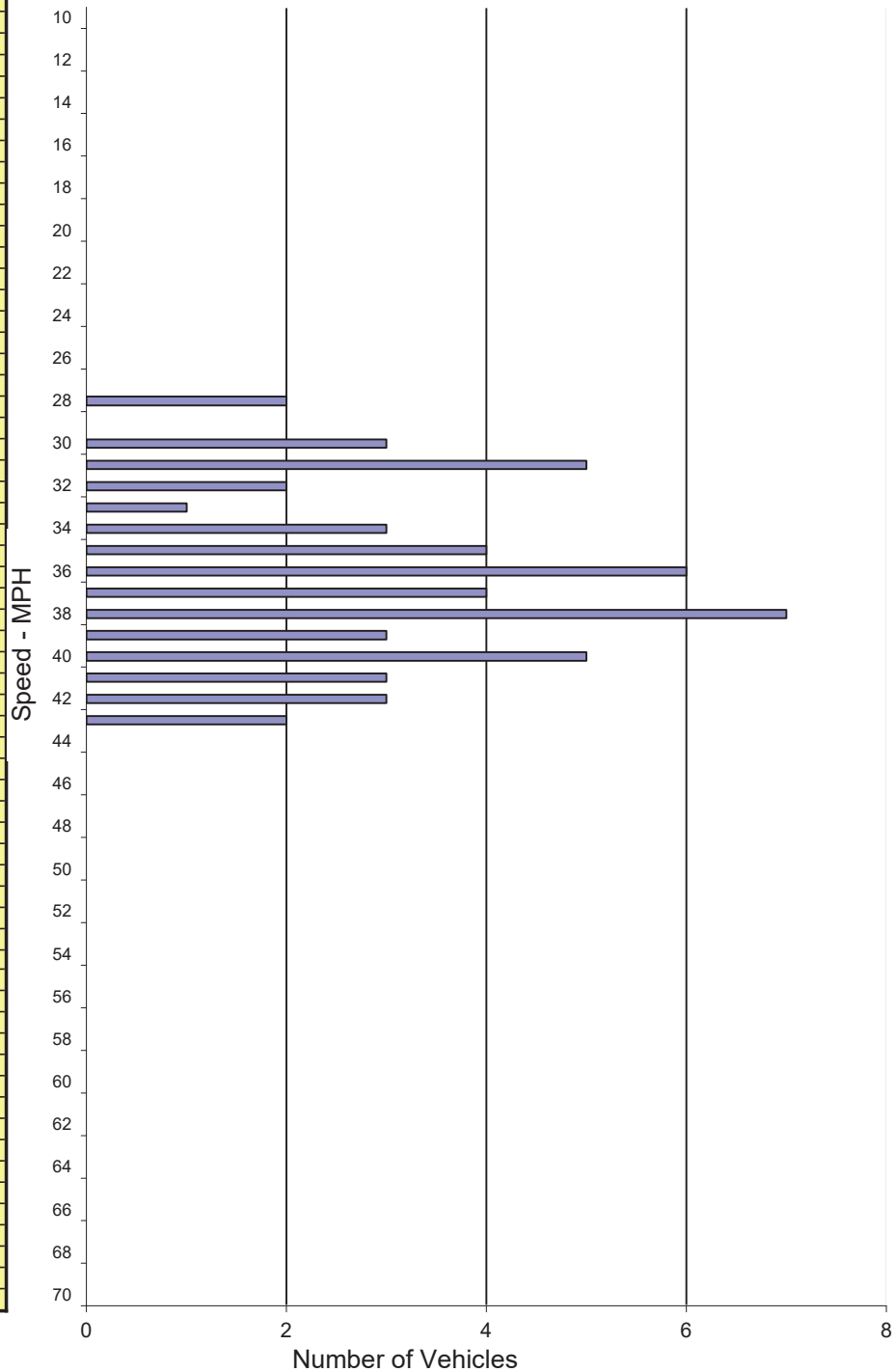
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** Borden Rd Bet. Las Posas Rd & Camino Magnifico
TIME: 15:30-16:00 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-075

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	2
29	
30	3
31	5
32	2
33	1
34	3
35	4
36	6
37	4
38	7
39	3
40	5
41	3
42	3
43	2
44	
45	
46	
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68	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	53	28 - 43	37 mph	41 mph	31 - 40	40	75%	9% / 5	16% / 8

Spot Speed Study

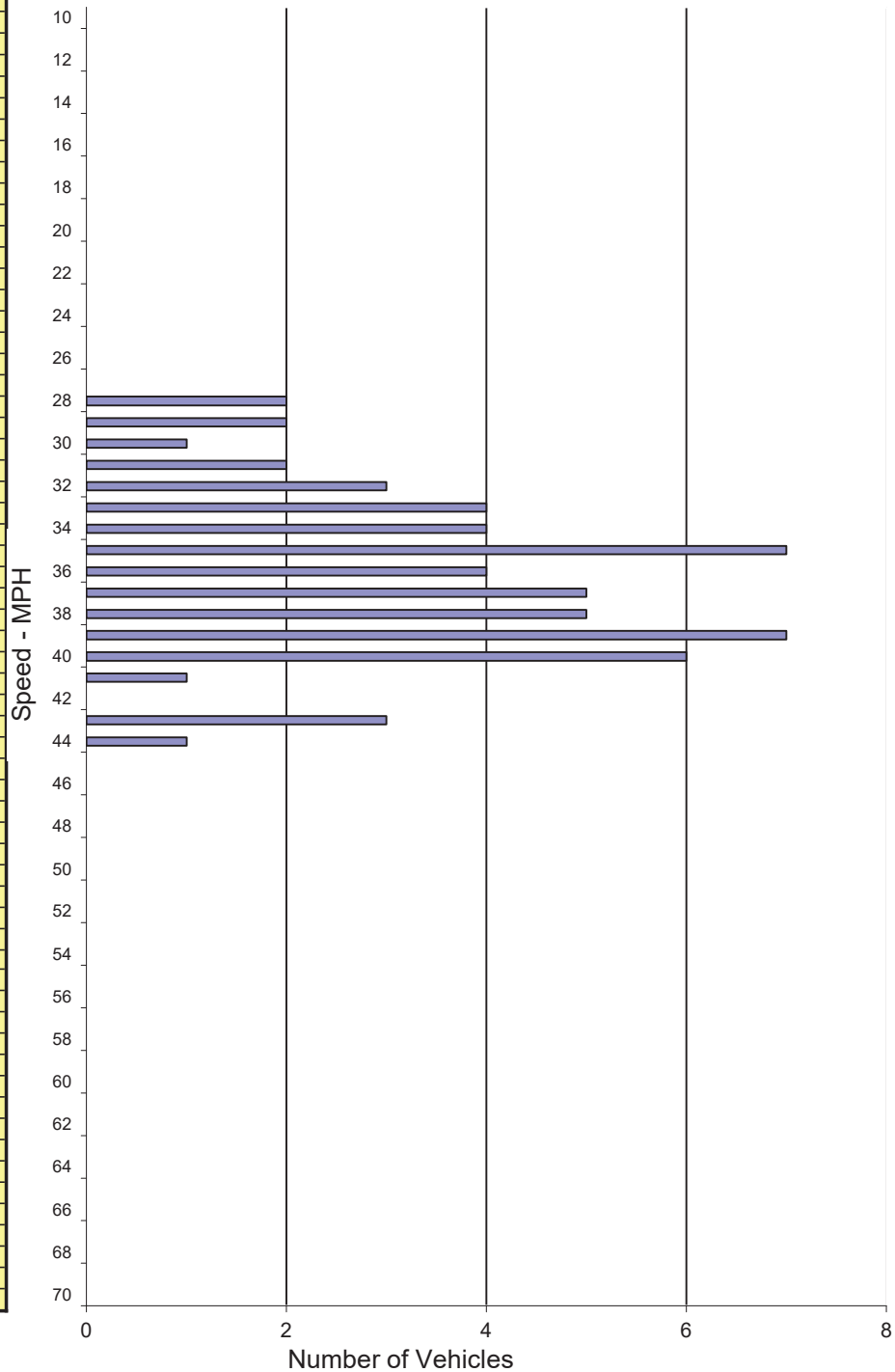
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** Borden Rd Bet. Las Posas Rd & Camino Magnifico
TIME: 15:30-16:00 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-075

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	2
29	2
30	1
31	2
32	3
33	4
34	4
35	7
36	4
37	5
38	5
39	7
40	6
41	1
42	
43	3
44	1
45	
46	
47	
48	
49	
50	
51	
52	
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54	
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63	
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65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	57	28 - 44	36 mph	40 mph	31 - 40	47	82%	8% / 5	9% / 5

Spot Speed Study

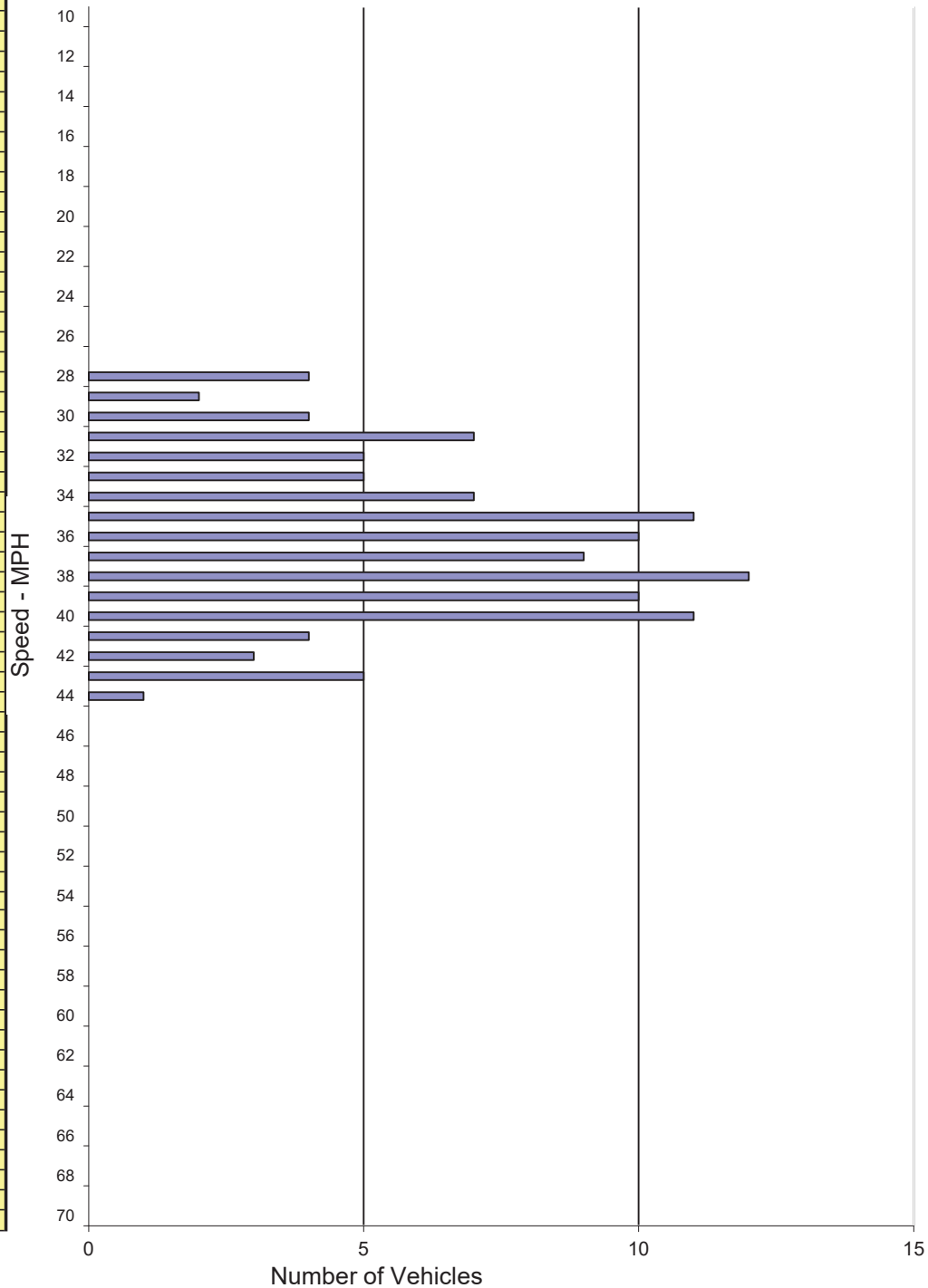
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** Borden Rd Bet. Las Posas Rd & Camino Magnifico
TIME: 15:30-16:00 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-075

Eastbound & Westbound Spot Speeds

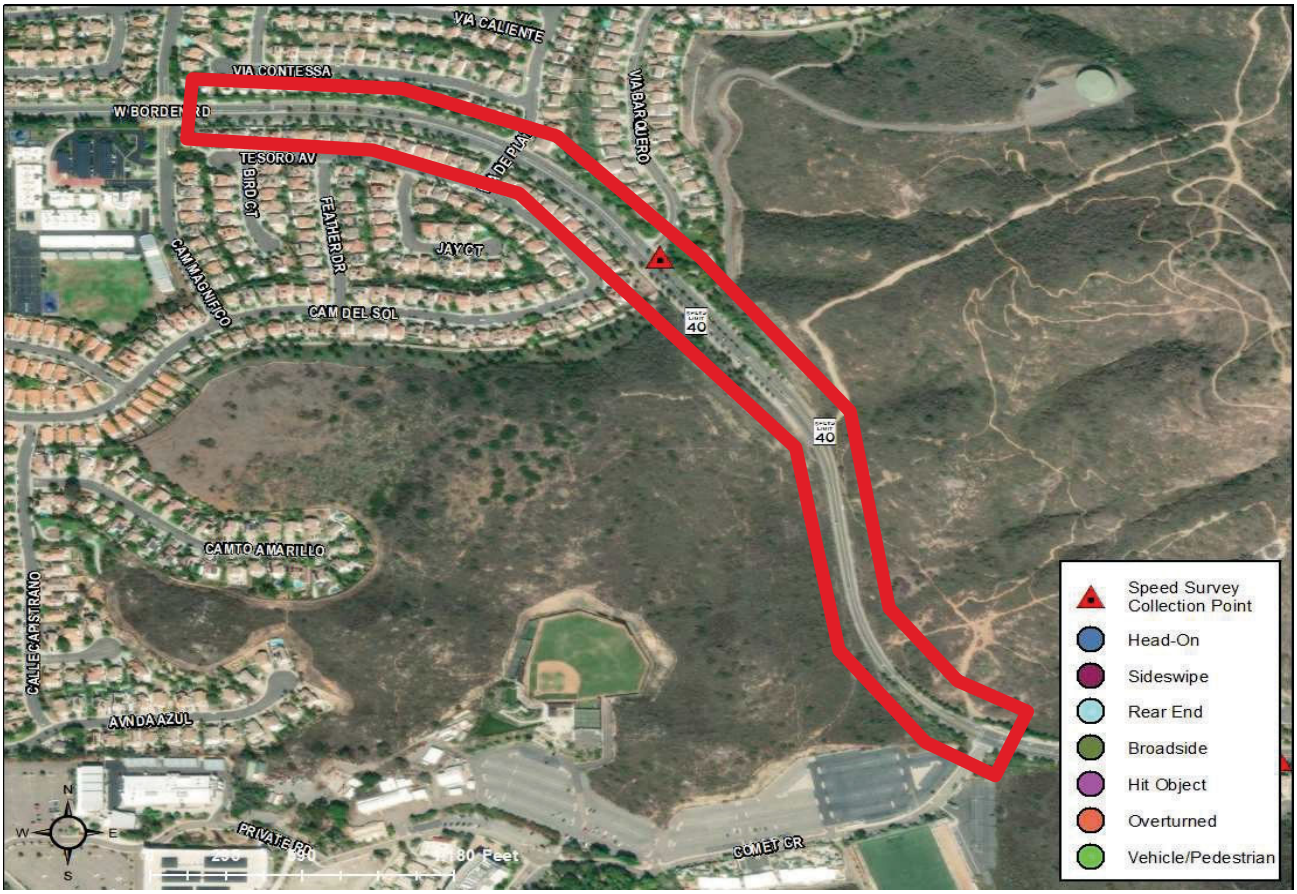
Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	4
29	2
30	4
31	7
32	5
33	5
34	7
35	11
36	10
37	9
38	12
39	10
40	11
41	4
42	3
43	5
44	1
45	
46	
47	
48	
49	
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63	
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65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	110	28 - 44	36 mph	40 mph	31 - 40	87	79%	9% / 10	12% / 13

Roadway	Borden Road		
Segment	Camino Magnifico to Comet Cir		
Pedestrian Facilities	Intermittent	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	47
Roadway Width (feet)	52	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.89/1.33
Median	Raised / Striped	2019, District 11, Urban, 2 and 3 Lanes	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Borden Rd **Segment:** Cam Magnifico to Comet Cir

Date/Time: 5/7/2024 10:00 AM - 11:00 AM **Direction:** East-West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60	X	1%	100%
	X X	2%	99%
	X	1%	97%
55	X	1%	96%
	X X	2%	95%
	X	1%	93%
50	X X X X	4%	92%
	X X X	3%	88%
	X X X X X X	6%	85%
	X X X X X X X X	8%	79%
45	X X X X X X X X	8%	71%
	X X X X X	5%	63%
	X X X X	4%	58%
	X X X X X	5%	54%
	X X X X	4%	49%
40	X X X X X	5%	45%
	X X X X X X X X	8%	40%
	X X X X	4%	32%
	X X X X X X	6%	28%
	X X X X X X	6%	22%
35	X X X	3%	16%
	X X	2%	13%
	X X X	3%	11%
	X X	2%	8%
30	X X	2%	6%
	X	1%	4%
	X	1%	3%
	X	1%	2%
25	X	1%	1%
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	42 mph	47 mph	38-47 mph	57	57%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Borden Rd **Segment:** Cam Magnifico to Comet Cir

Date/Time: 5/7/2024 10:00 AM - 11:00 AM **Direction:** East

MPH	NUMBER OF VEHICLES (1 X = 1 vehicle; 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60	X	2%	100%
	X	2%	98%
	X	2%	96%
55			
	X	2%	94%
50	X	2%	92%
	X	2%	90%
	X X X X	8%	88%
	X X X	6%	80%
45	X X X	6%	74%
	X X	4%	68%
	X X X	6%	64%
	X X X X	8%	58%
	X X	4%	50%
40	X	2%	46%
	X X X X	8%	44%
	X X	4%	36%
	X X X	6%	32%
	X X X	6%	26%
35	X X	4%	20%
	X	2%	16%
	X X	4%	14%
	X	2%	10%
30	X	2%	8%
	X	2%	6%
	X	2%	4%
25	X	2%	2%
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	42 mph	47 mph	38-47 mph	28	56%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Borden Rd **Segment:** Cam Magnifico to Comet Cir

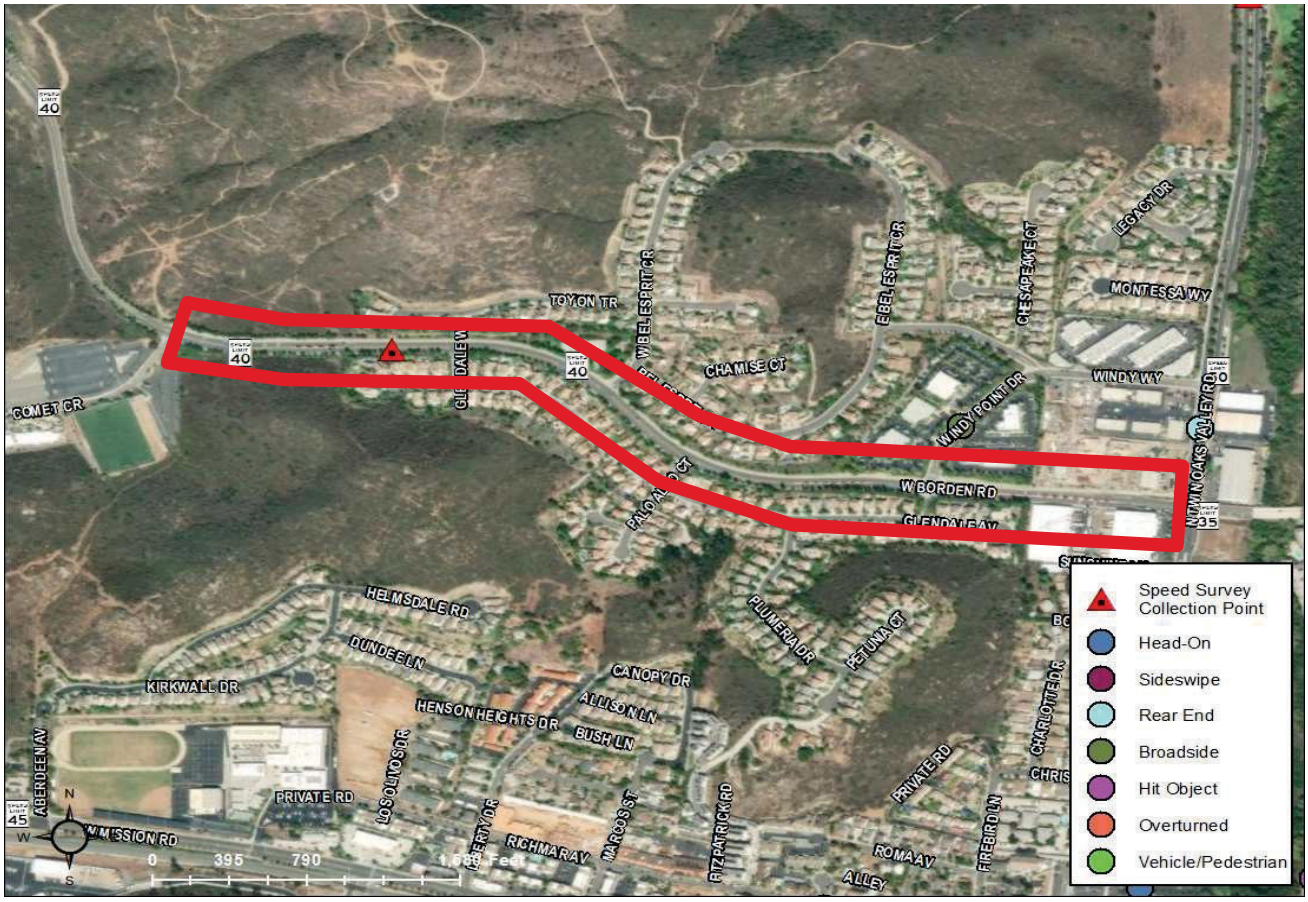
Date/Time: 5/7/2024 10:00 AM - 11:00 AM **Direction:** West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	2%	100%
55	X	2%	98%
	X X	4%	96%
50	X X X	6%	92%
	X X	4%	86%
	X X	4%	82%
	X X X X X	10%	78%
45	X X X X X	10%	68%
	X X X	6%	58%
	X	2%	52%
	X	2%	50%
	X X	4%	48%
40	X X X X	8%	44%
	X X X X	8%	36%
	X X	4%	28%
	X X X	6%	24%
	X X X	6%	18%
35	X	2%	12%
	X	2%	10%
	X	2%	8%
	X	2%	6%
30	X	2%	4%
	X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	43 mph	48 mph	37-46 mph	30	60%

Roadway	Borden Road		
Segment	Comet Cir to Twin Oaks Valley Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	47
Roadway Width (feet)	64	Recommended Speed Limit	40
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.68/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Borden Rd **Segment:** Comet Cir to Twin Oaks Valley Rd

Date/Time: 5/7/2024 9:00 AM - 9:50 AM **Direction:** East-West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
	X	1%	100%
	X X	2%	99%
	X	1%	97%
	X X	2%	96%
50	X X X	3%	94%
	X X	2%	91%
	X X X X	4%	89%
	X X X X	4%	85%
	X X X X X X	6%	81%
45	X X X X X X X	7%	75%
	X X X X X X X X X	9%	68%
	X X X X X X	6%	59%
	X X X X X X X X X	9%	53%
	X X X X X X X	7%	44%
40	X X X X X X X X	8%	37%
	X X X X X X	6%	29%
	X X X	3%	23%
	X X X X	4%	20%
	X X X	3%	16%
35	X X X	3%	13%
	X X X	3%	10%
	X X X	3%	7%
	X X	2%	4%
	X	1%	2%
30	X	1%	1%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	42 mph	47 mph	39-48 mph	66	66%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Borden Rd **Segment:** Comet Cir to Twin Oaks Valley Rd

Date/Time: 5/7/2024 9:00 AM - 9:50 AM **Direction:** East

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
	XX	4%	100%
	X	2%	96%
50	X	2%	94%
	X	2%	92%
	XX	4%	90%
	X	2%	86%
	XXX	6%	84%
45	XXXXX	10%	78%
	XXXXXX	12%	68%
	XXX	6%	56%
	XXXXXX	12%	50%
	X	2%	38%
40	XXX	6%	36%
	XXXX	8%	30%
	X	2%	22%
	XX	4%	20%
	X	2%	16%
35	X	2%	14%
	XX	4%	12%
	XX	4%	8%
	X	2%	4%
	X	2%	2%
30			
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	43 mph	47 mph	39-48 mph	34	68%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Borden Rd **Segment:** Comet Cir to Twin Oaks Valley Rd

Date/Time: 5/7/2024 9:00 AM - 9:50 AM **Direction:** West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
	X	2%	100%
	X	2%	98%
	X	2%	96%
50	X X	4%	94%
	X	2%	90%
	X X	4%	88%
	X X X	6%	84%
	X X X	6%	78%
45	X X	4%	72%
	X X X	6%	68%
	X X X	6%	62%
	X X X	6%	56%
	X X X X X X	12%	50%
40	X X X X X	10%	38%
	X X	4%	28%
	X X	4%	24%
	X X	4%	20%
	X X	4%	16%
35	X X	4%	12%
	X	2%	8%
	X	2%	6%
	X	2%	4%
30	X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	42 mph	48 mph	39-48 mph	32	64%

Roadway	Borden Road		
Segment	Twin Oaks Valley Rd to Vineyard Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	Class II	85th Percentile Speed	39
Roadway Width (feet)	60	Recommended Speed Limit	35
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.52/0.84
Median	Raised/Center Left Turn Lane	2019, District 11, Urban, 4 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

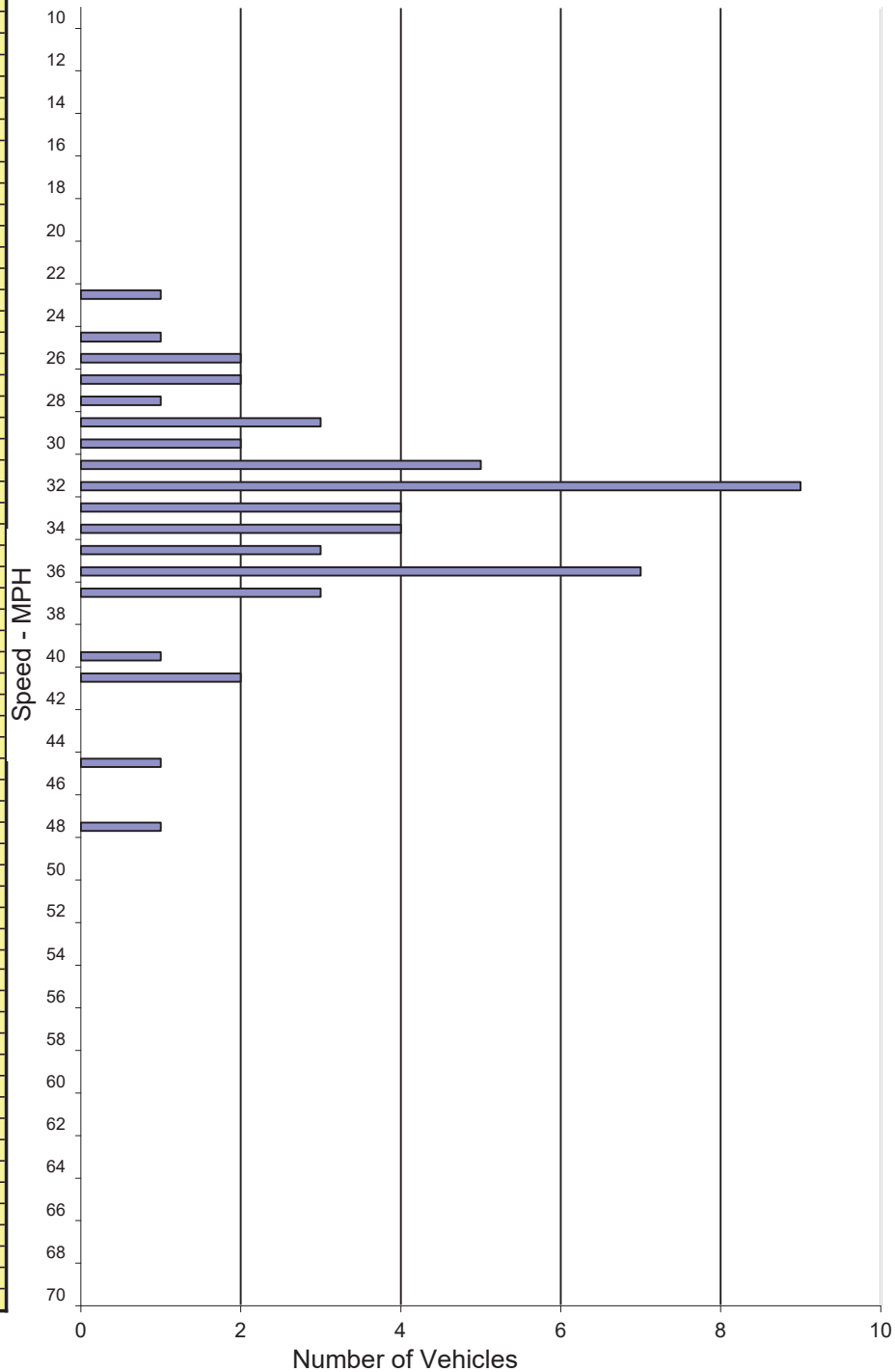
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/23/2023 **Location:** Borden Rd Bet. Twin Oaks Valley Rd & Vineyard Rd
TIME: 12:03-12:49 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-012

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	
25	1
26	2
27	2
28	1
29	3
30	2
31	5
32	9
33	4
34	4
35	3
36	7
37	3
38	
39	
40	1
41	2
42	
43	
44	
45	1
46	
47	
48	1
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	52	23 - 48	32 mph	37 mph	28 - 37	41	79%	11% / 6	10% / 5

Spot Speed Study

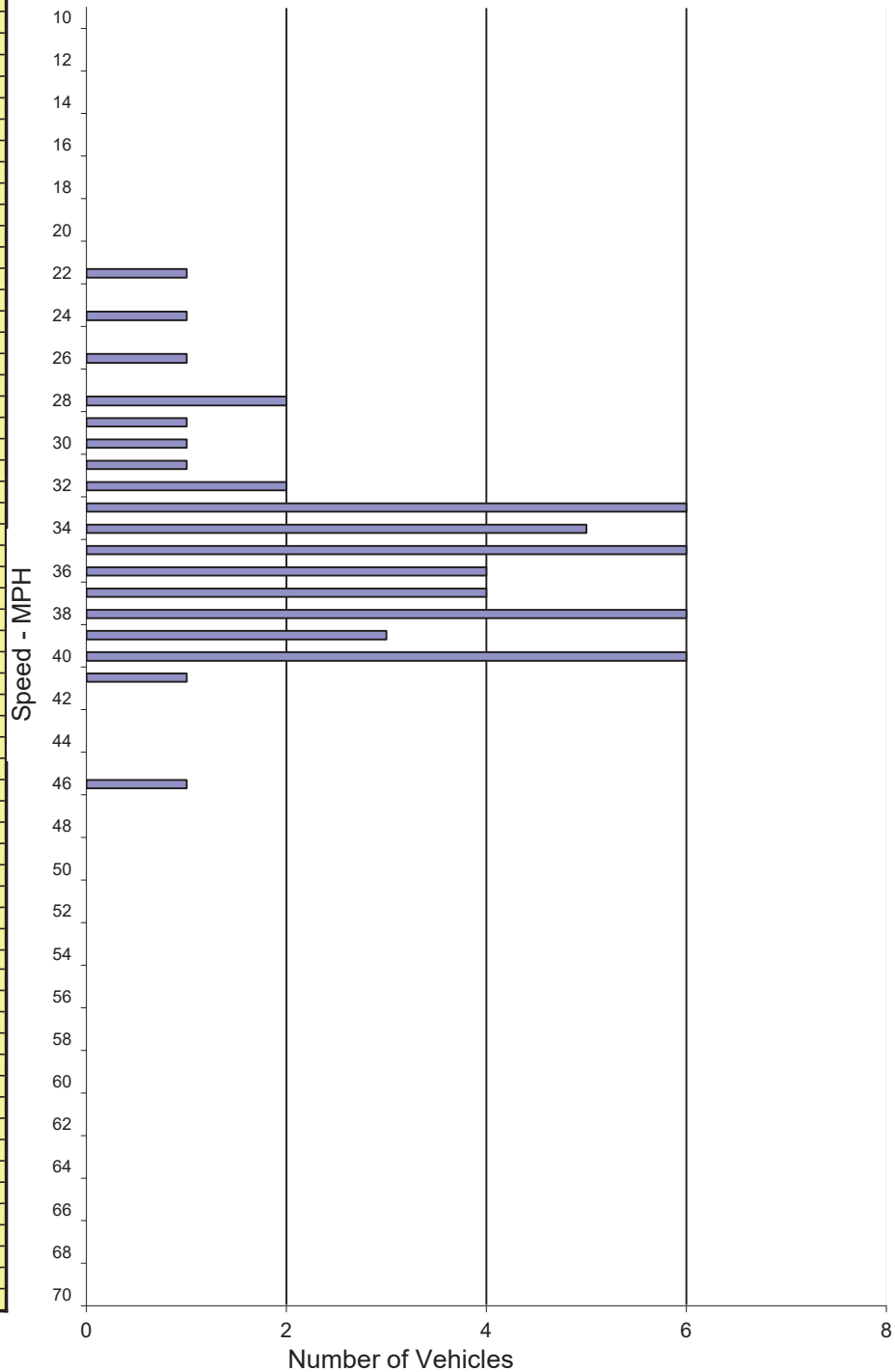
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/23/2023 **Location:** Borden Rd Bet. Twin Oaks Valley Rd & Vineyard Rd
TIME: 12:03-12:49 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-012

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	1
23	
24	1
25	
26	1
27	
28	2
29	1
30	1
31	1
32	2
33	6
34	5
35	6
36	4
37	4
38	6
39	3
40	6
41	1
42	
43	
44	
45	
46	1
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	52	22 - 46	35 mph	40 mph	31 - 40	43	83%	13% / 7	4% / 2

Spot Speed Study

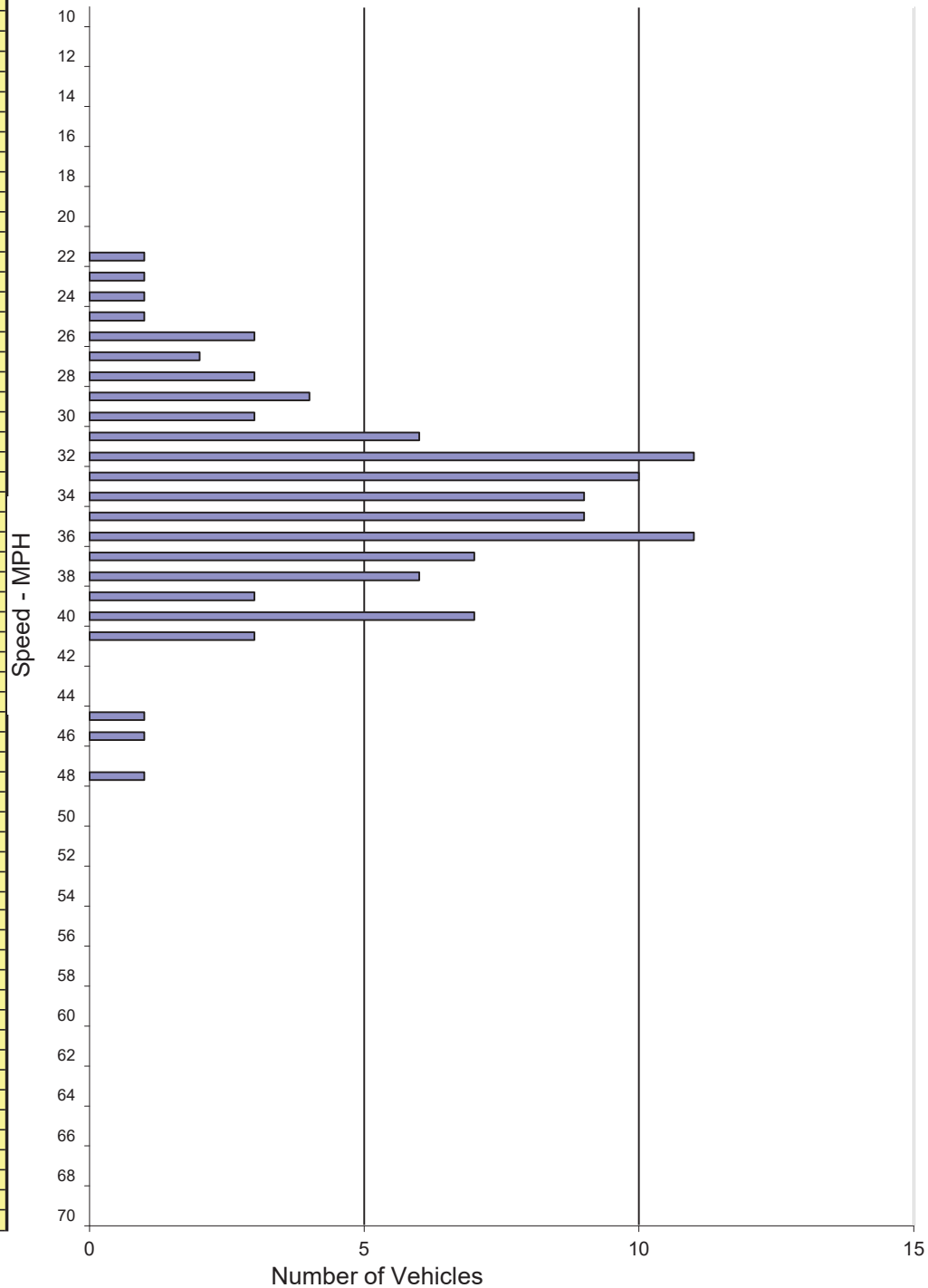
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/23/2023 **Location:** Borden Rd Bet. Twin Oaks Valley Rd & Vineyard Rd
TIME: 12:03-12:49 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-012

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	1
23	1
24	1
25	1
26	3
27	2
28	3
29	4
30	3
31	6
32	11
33	10
34	9
35	9
36	11
37	7
38	6
39	3
40	7
41	3
42	
43	
44	
45	1
46	1
47	
48	1
49	
50	
51	
52	
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55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	104	22 - 48	34 mph	39 mph	31 - 40	79	76%	18% / 19	6% / 6

Roadway	Borden Road		
Segment	Mulberry Dr to Rose Ranch Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	43
Roadway Width (feet)	44	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.81/1.33
Median	Center Left Turn Lane	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

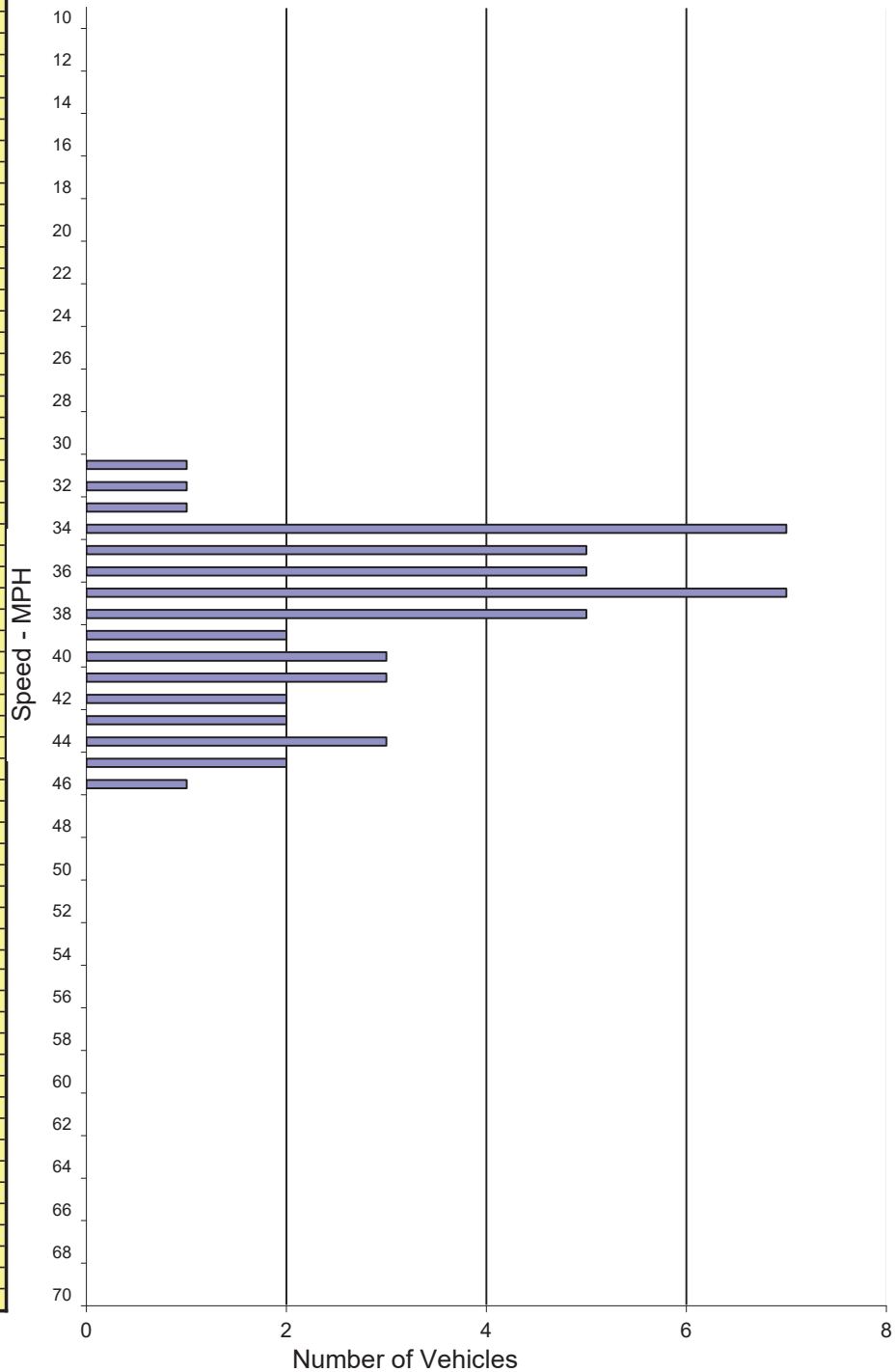
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** W Borden Rd E/O Mission Hills Ct
TIME: 12:25-12:50 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-095

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	1
32	1
33	1
34	7
35	5
36	5
37	7
38	5
39	2
40	3
41	3
42	2
43	2
44	3
45	2
46	1
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	31 - 46	37 mph	43 mph	34 - 43	41	82%	6% / 3	12% / 6

Spot Speed Study

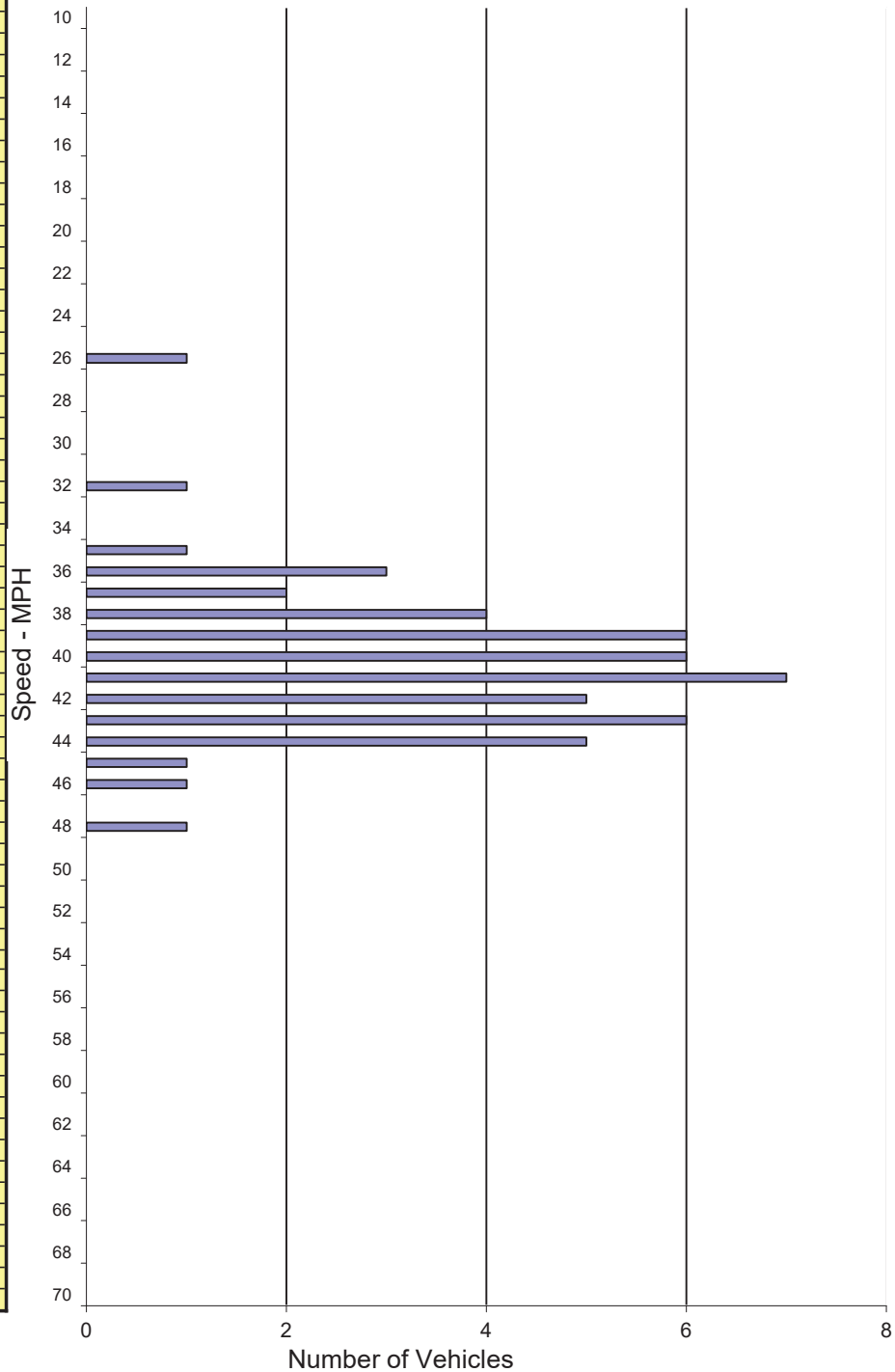
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** W Borden Rd E/O Mission Hills Ct
TIME: 12:25-12:50 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-095

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	1
27	
28	
29	
30	
31	
32	1
33	
34	
35	1
36	3
37	2
38	4
39	6
40	6
41	7
42	5
43	6
44	5
45	1
46	1
47	
48	1
49	
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51	
52	
53	
54	
55	
56	
57	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	26 - 48	41 mph	44 mph	35 - 44	45	90%	4% / 2	6% / 3

Spot Speed Study

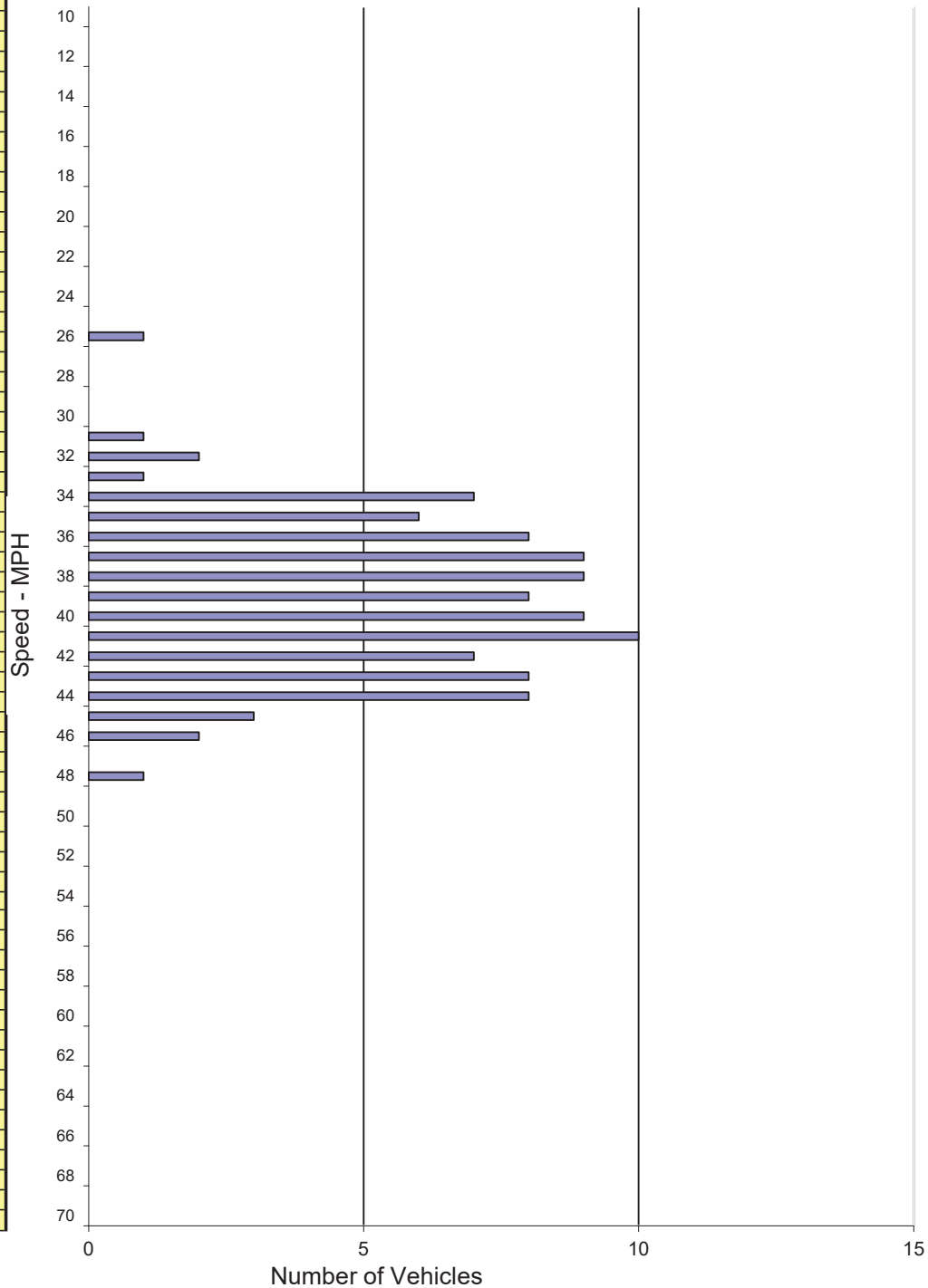
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** W Borden Rd E/O Mission Hills Ct
TIME: 12:25-12:50 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-095

Eastbound & Westbound Spot Speeds

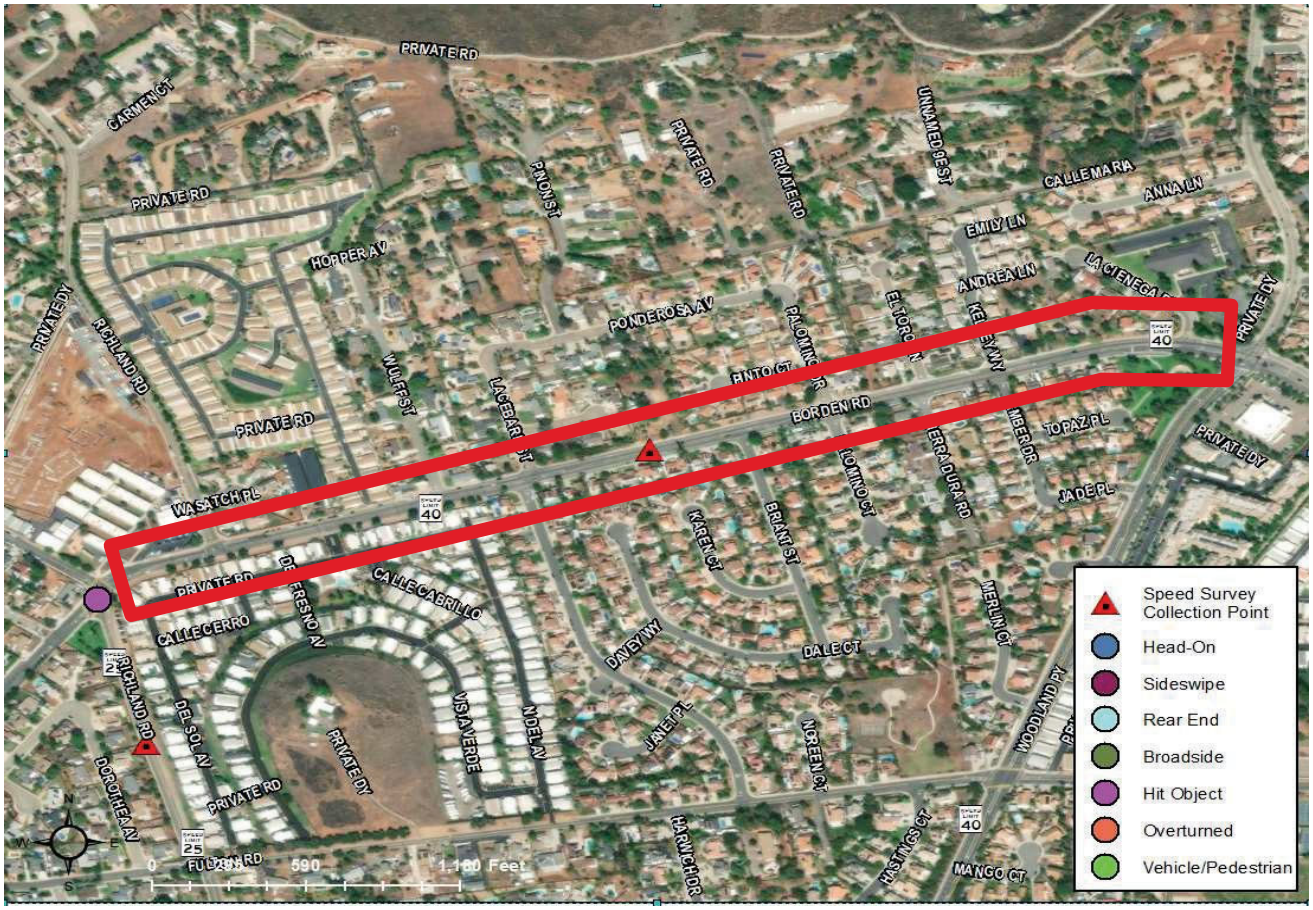
Speed mph	ALL Vehicles
<=10	
11	
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19	
20	
21	
22	
23	
24	
25	
26	1
27	
28	
29	
30	
31	1
32	2
33	1
34	7
35	6
36	8
37	9
38	9
39	8
40	9
41	10
42	7
43	8
44	8
45	3
46	2
47	
48	1
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	26 - 48	39 mph	43 mph	35 - 44	82	82%	12% / 12	6% / 6

Roadway	Borden Road		
Segment	Rose Ranch Rd to Woodland Pkwy		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	43
Roadway Width (feet)	64	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.21/1.33
Median	Center Left Turn Lane	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

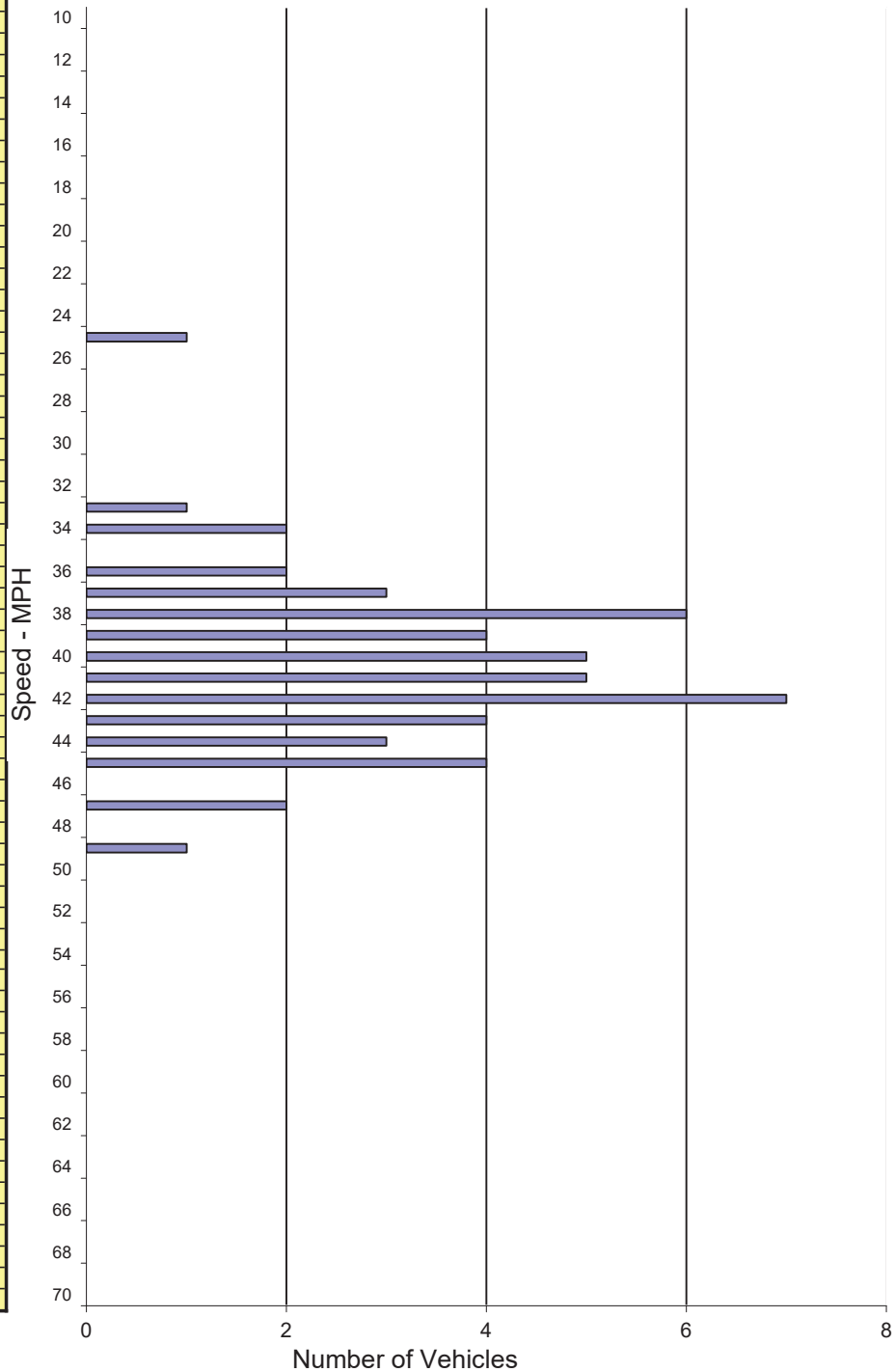
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** W Borden Rd W/O Brian St
TIME: 09:37-09:59 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-096

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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25	1
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33	1
34	2
35	
36	2
37	3
38	6
39	4
40	5
41	5
42	7
43	4
44	3
45	4
46	
47	2
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49	1
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	25 - 49	41 mph	44 mph	36 - 45	43	86%	8% / 4	6% / 3

Spot Speed Study

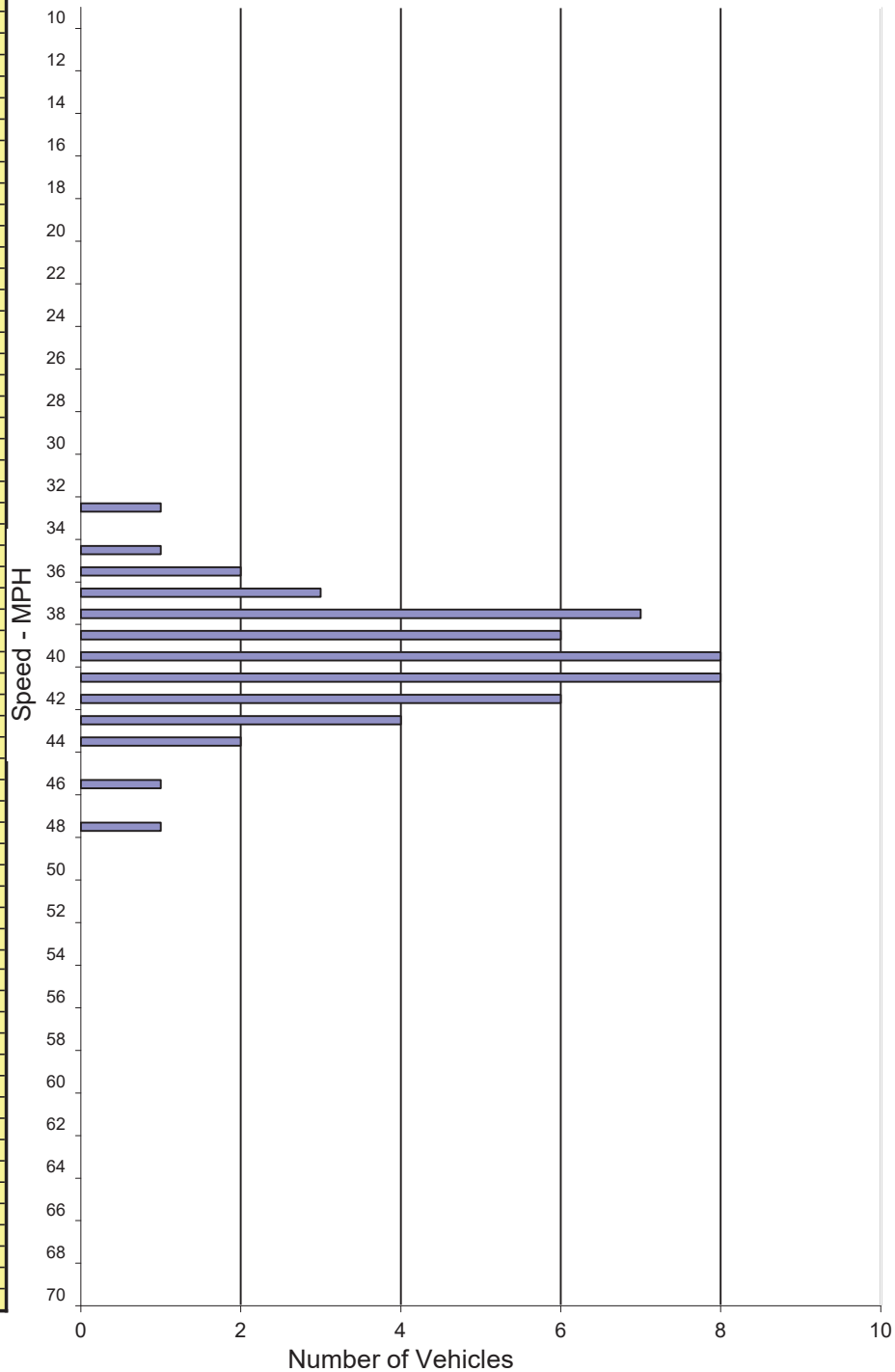
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** W Borden Rd W/O Brian St
TIME: 09:37-09:59 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-096

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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31	
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33	1
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35	1
36	2
37	3
38	7
39	6
40	8
41	8
42	6
43	4
44	2
45	
46	1
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48	1
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68	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	33 - 48	40 mph	43 mph	35 - 44	47	94%	2% / 1	4% / 2

Spot Speed Study

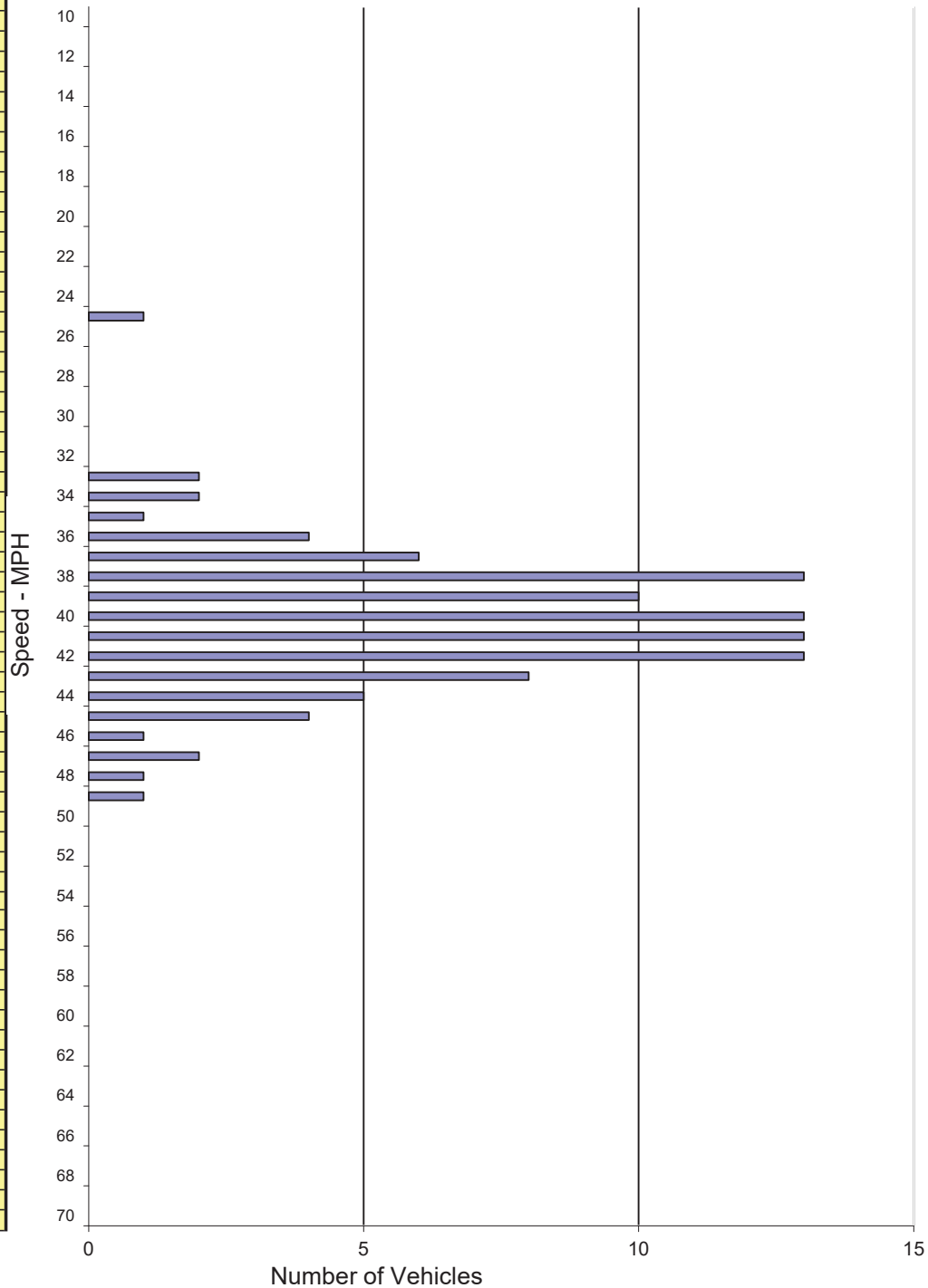
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** W Borden Rd W/O Brian St
TIME: 09:37-09:59 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-096

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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25	1
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30	
31	
32	
33	2
34	2
35	1
36	4
37	6
38	13
39	10
40	13
41	13
42	13
43	8
44	5
45	4
46	1
47	2
48	1
49	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	25 - 49	40 mph	43 mph	36 - 45	89	89%	6% / 6	5% / 5

Roadway	Boulderidge Drive		
Segment	Rancho Santa Fe Rd to Melrose Dr		
Pedestrian Facilities	Intermittent	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	39
Roadway Width (feet)	40	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.88/1.33
Median	None	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

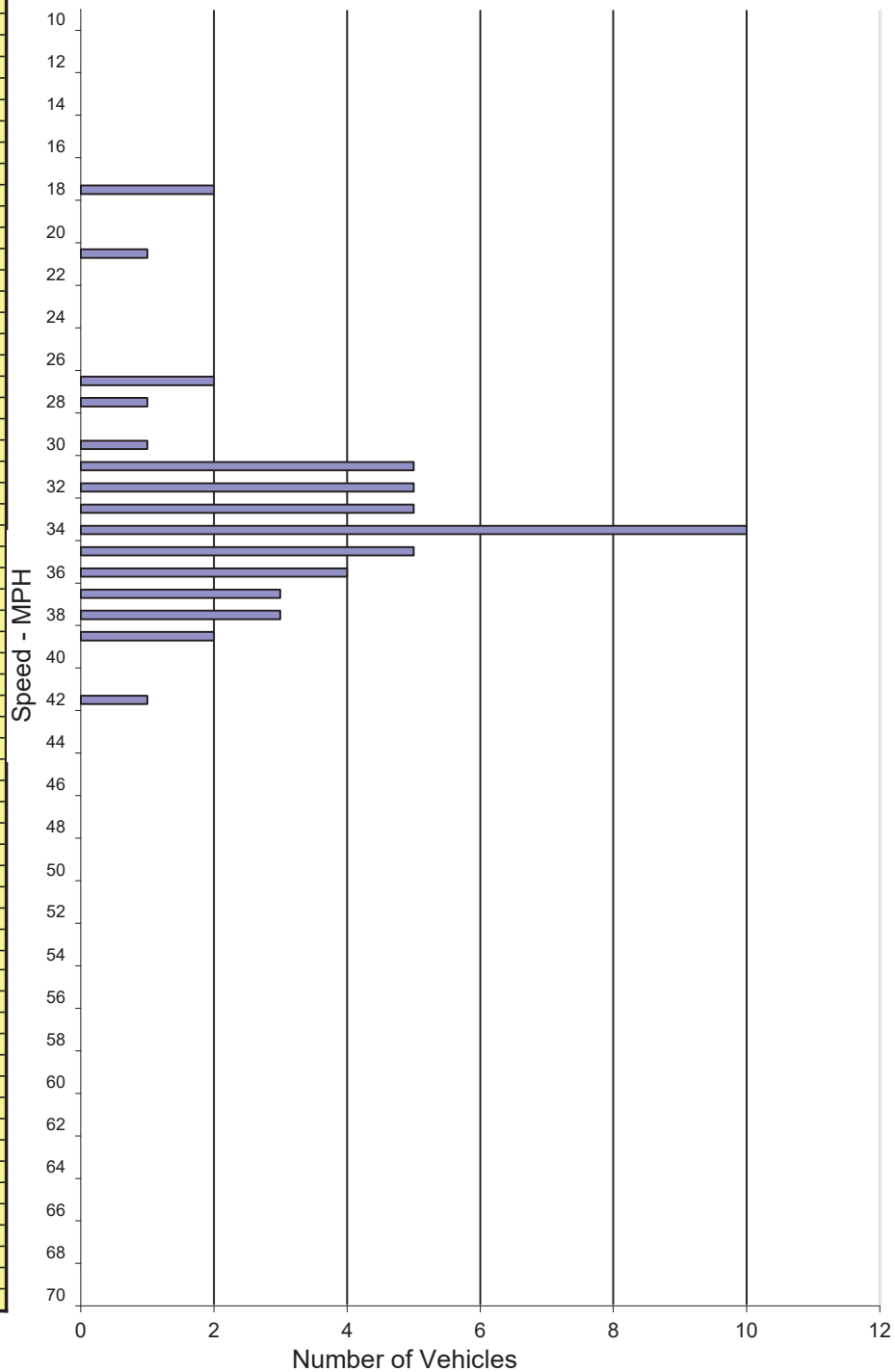
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 12/29/2022 **Location:** Boulderidge Dr W/O Marble Ln
TIME: 09:00-10:42 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-011

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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18	2
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21	1
22	
23	
24	
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26	
27	2
28	1
29	
30	1
31	5
32	5
33	5
34	10
35	5
36	4
37	3
38	3
39	2
40	
41	
42	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	18 - 42	34 mph	37 mph	30 - 39	43	86%	12% / 6	2% / 1

Spot Speed Study

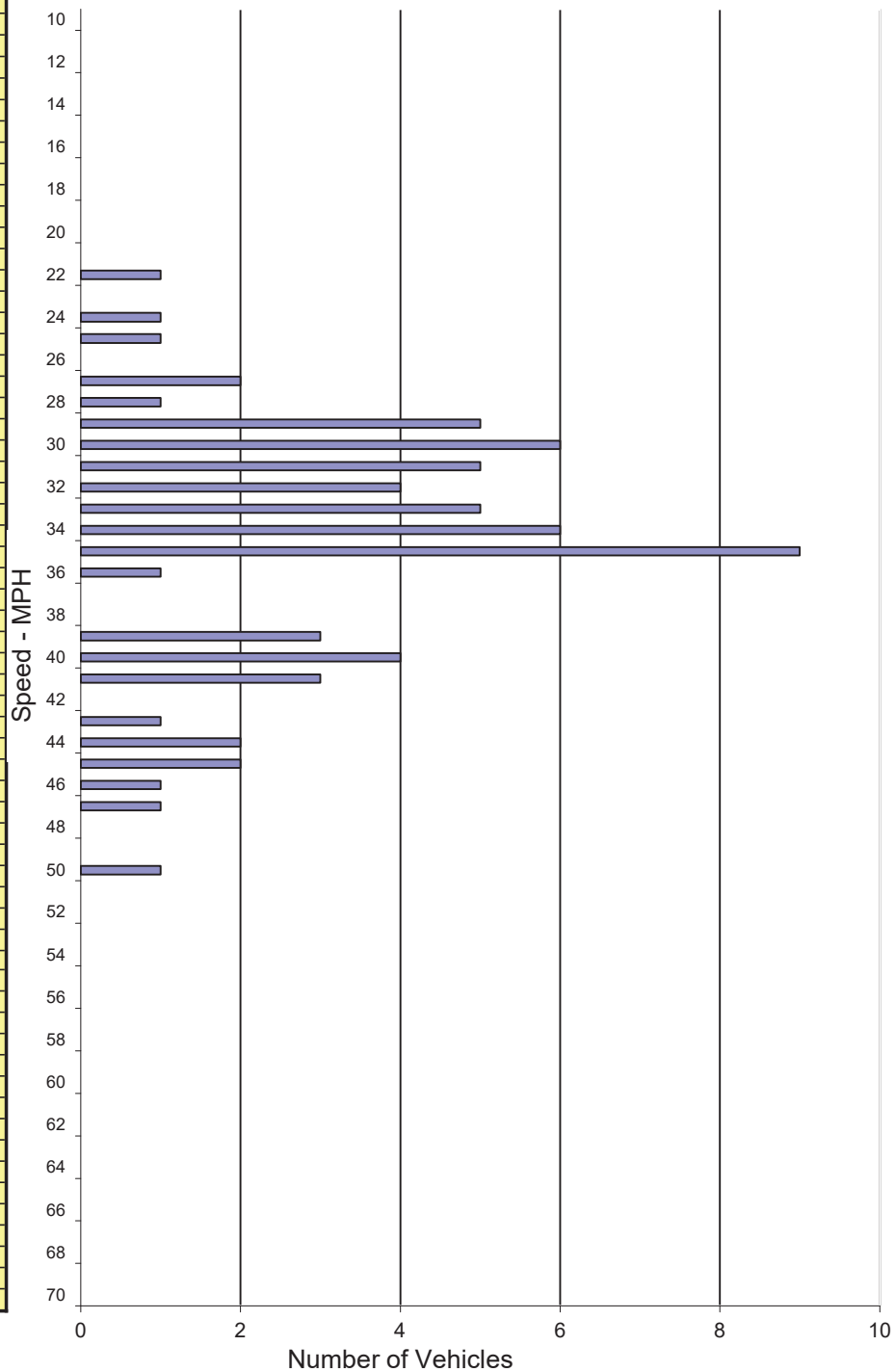
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 12/29/2022 **Location:** Boulderidge Dr W/O Marble Ln
TIME: 09:00-10:42 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-011

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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22	1
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24	1
25	1
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27	2
28	1
29	5
30	6
31	5
32	4
33	5
34	6
35	9
36	1
37	
38	
39	3
40	4
41	3
42	
43	1
44	2
45	2
46	1
47	1
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50	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	65	22 - 50	34 mph	41 mph	27 - 36	44	68%	4% / 3	28% / 18

Spot Speed Study

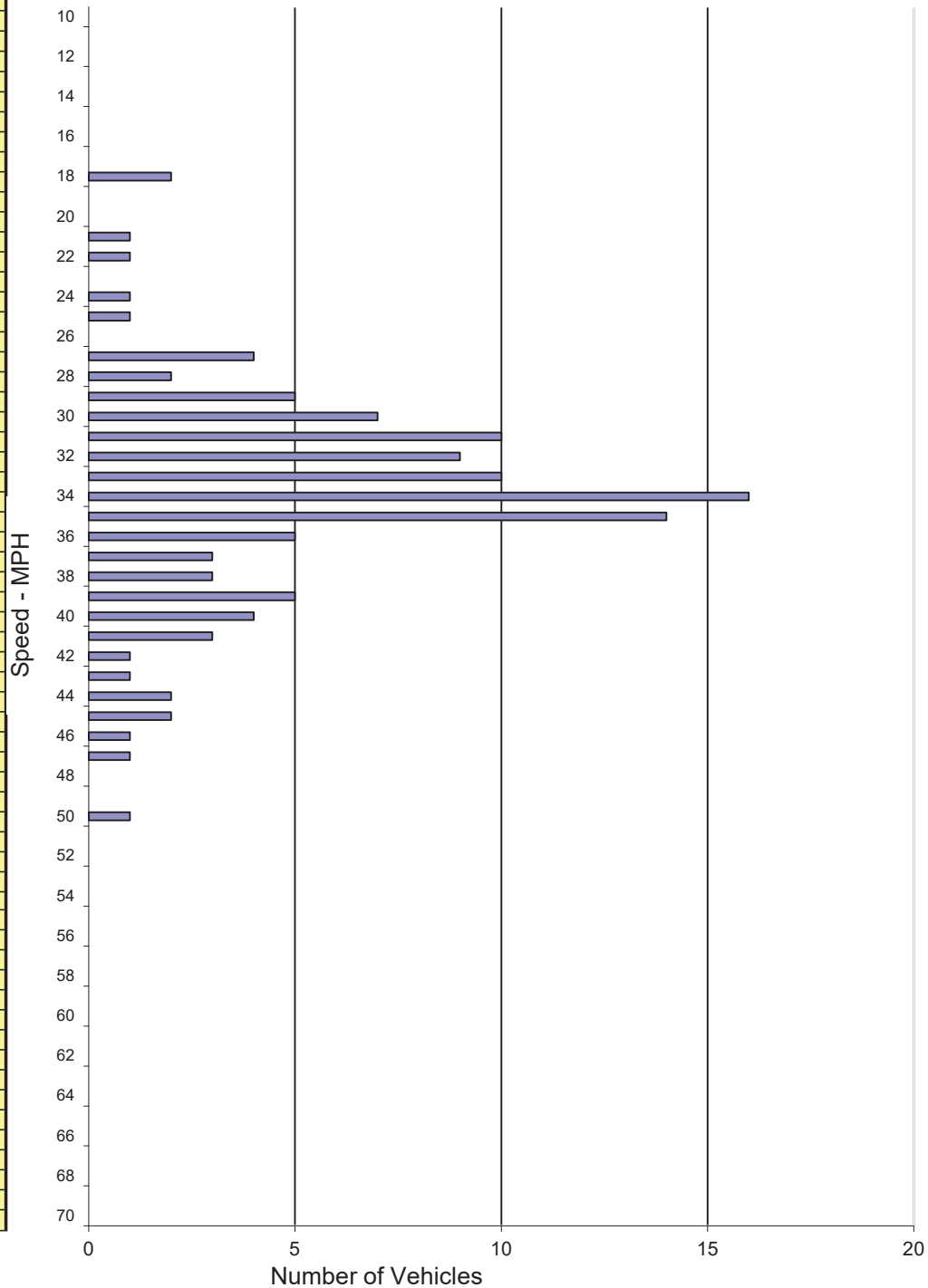
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 12/29/2022 **Location:** Boulderidge Dr W/O Marble Ln
TIME: 09:00-10:42 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-011

Eastbound & Westbound Spot Speeds

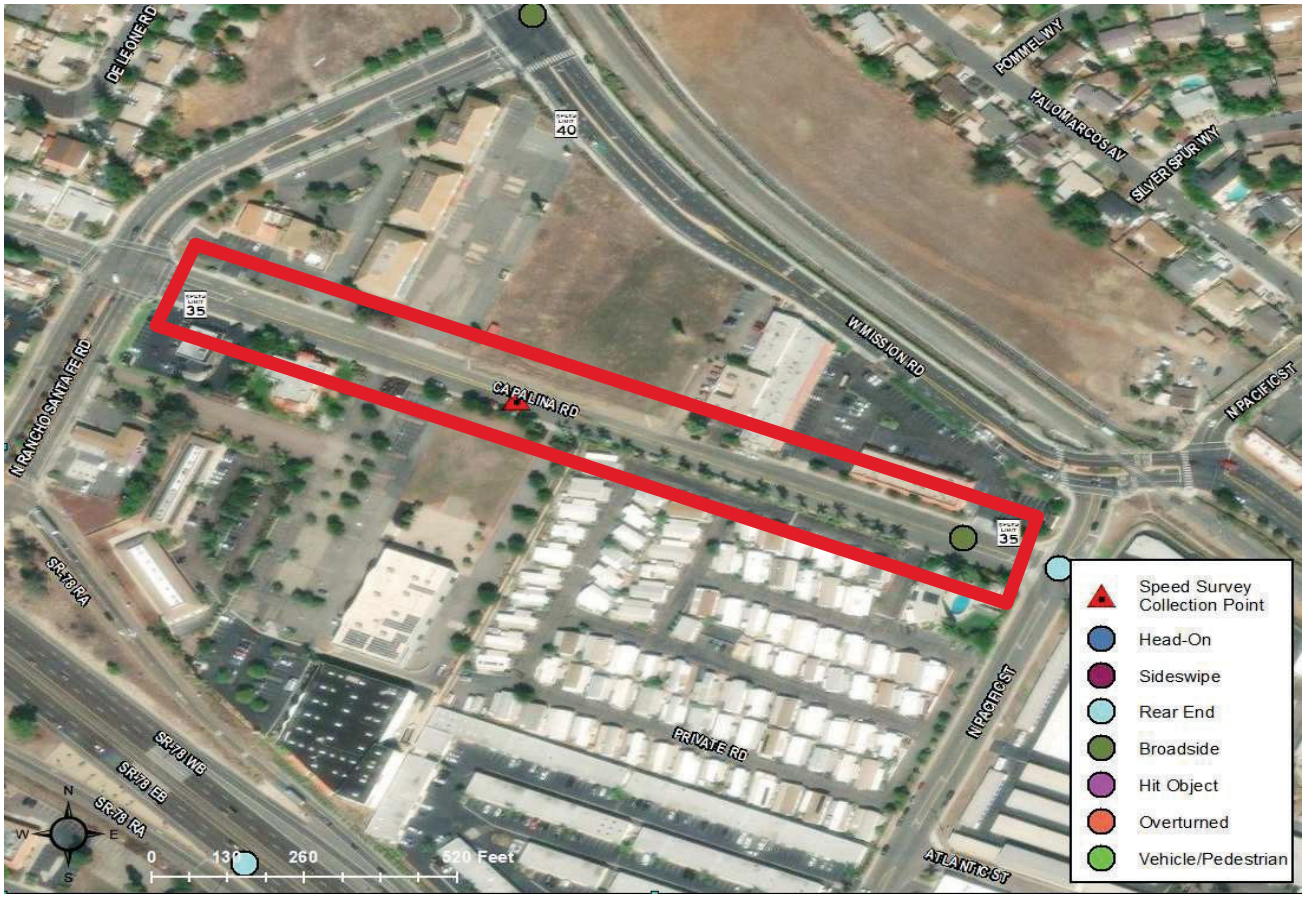
Speed mph	ALL Vehicles
<=10	
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18	2
19	
20	
21	1
22	1
23	
24	1
25	1
26	
27	4
28	2
29	5
30	7
31	10
32	9
33	10
34	16
35	14
36	5
37	3
38	3
39	5
40	4
41	3
42	1
43	1
44	2
45	2
46	1
47	1
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68	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	115	18 - 50	34 mph	39 mph	27 - 36	82	71%	5% / 6	24% / 27

Roadway	Capalina Road		
Segment	Rancho Santa Fe Rd to N. Pacific St		
Pedestrian Facilities	Intermittent	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	37
Roadway Width (feet)	60	Recommended Speed Limit	30
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	2.09/1.33
Median	Center Left Turn Lane	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

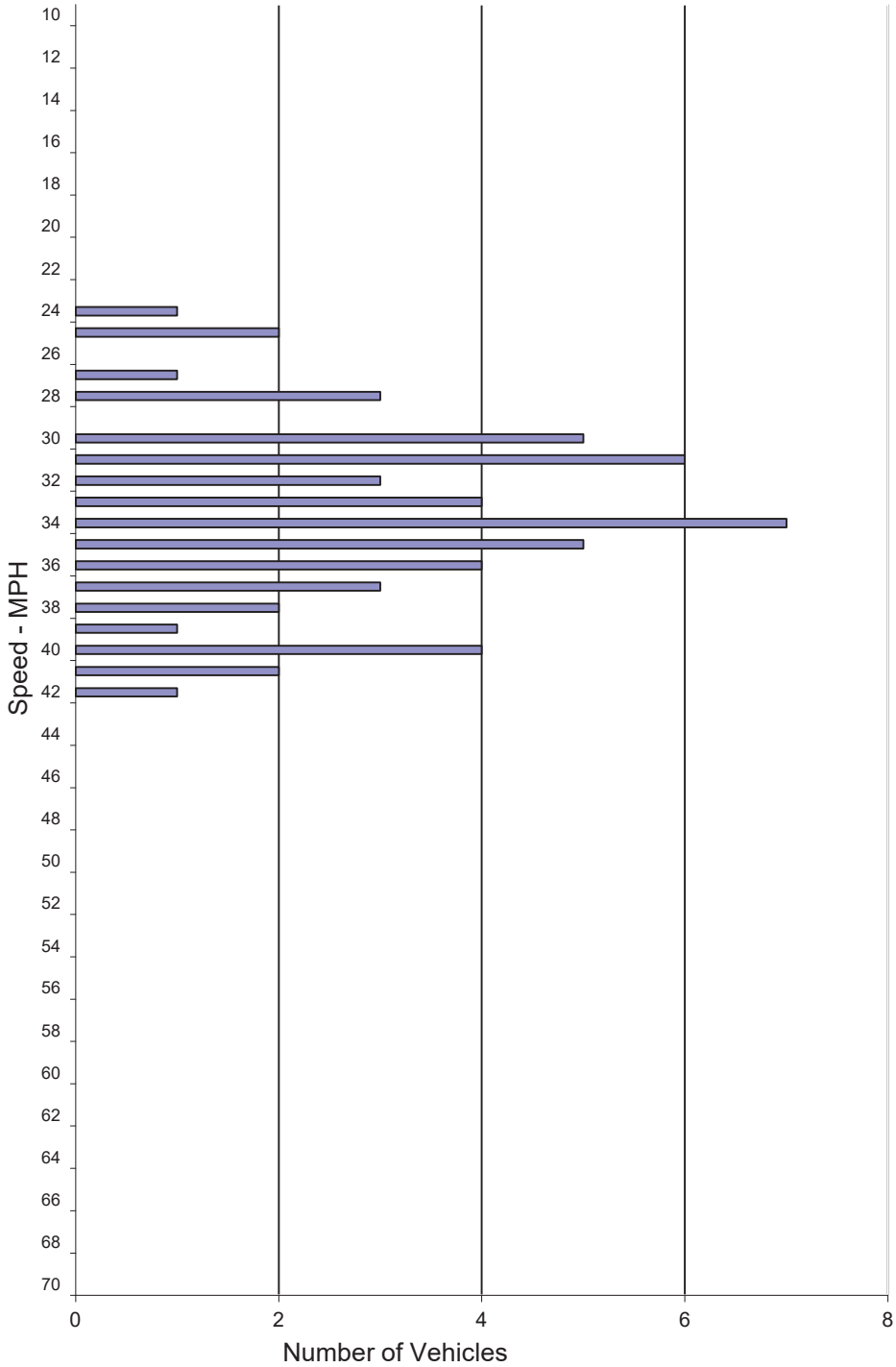
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** Capalina Rd Bet. Rancho Santa Fe Rd & N Pacific St
TIME: 09:50-10:30 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-089

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	1
25	2
26	
27	1
28	3
29	
30	5
31	6
32	3
33	4
34	7
35	5
36	4
37	3
38	2
39	1
40	4
41	2
42	1
43	
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65	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	54	24 - 42	34 mph	38 mph	28 - 37	40	74%	7% / 4	19% / 10

Spot Speed Study

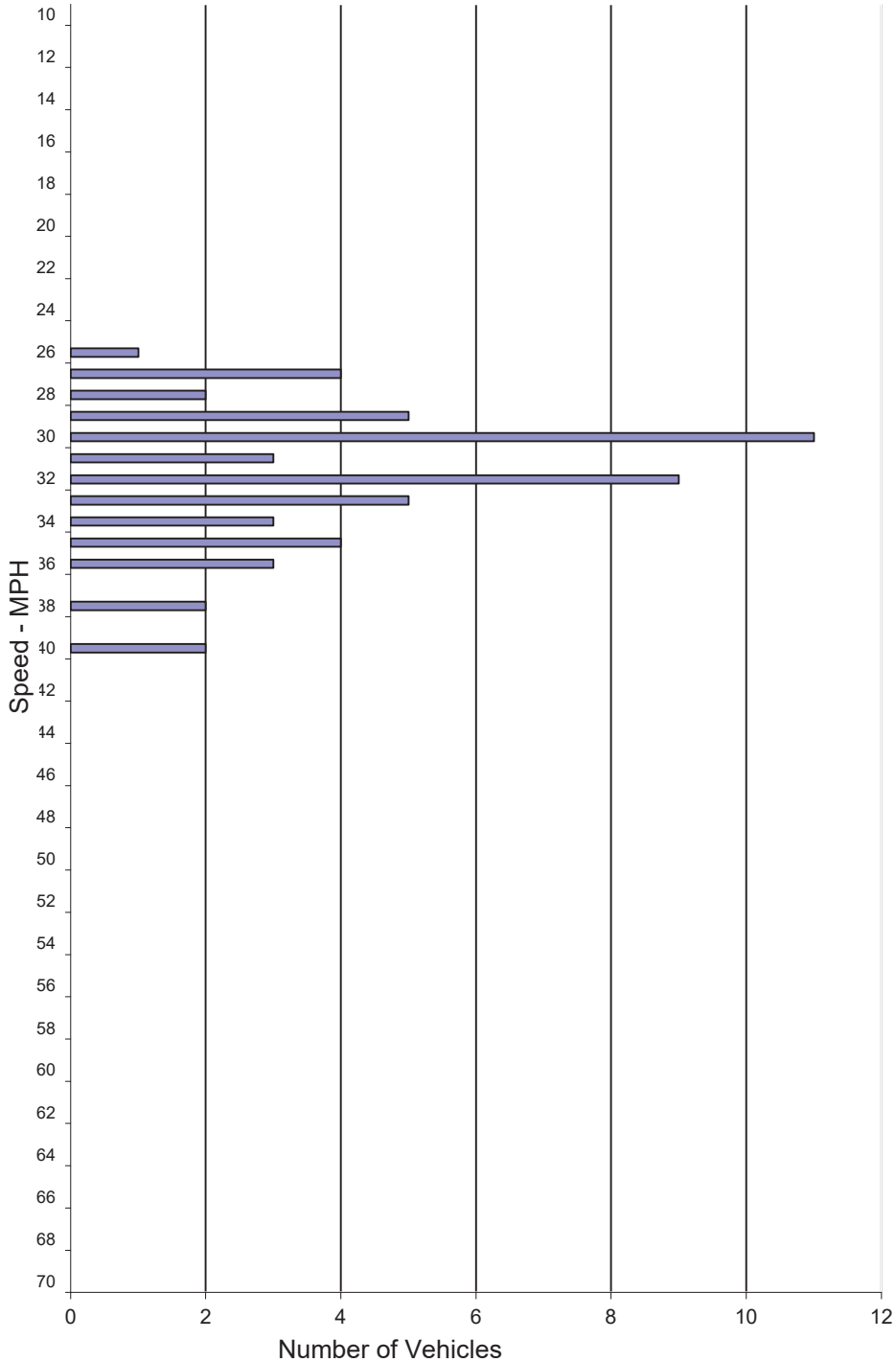
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** Capalina Rd Bet. Rancho Santa Fe Rd & N Pacific St
TIME: 09:50-10:30 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-089

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	**1**
27	**4**
28	**2**
29	**5**
30	**11**
31	**3**
32	**9**
33	**5**
34	**3**
35	**4**
36	**3**
37	
38	**2**
39	
40	**2**
41	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	54	26 - 40	32 mph	35 mph	27 - 36	49	91%	1% / 1	8% / 4

Spot Speed Study

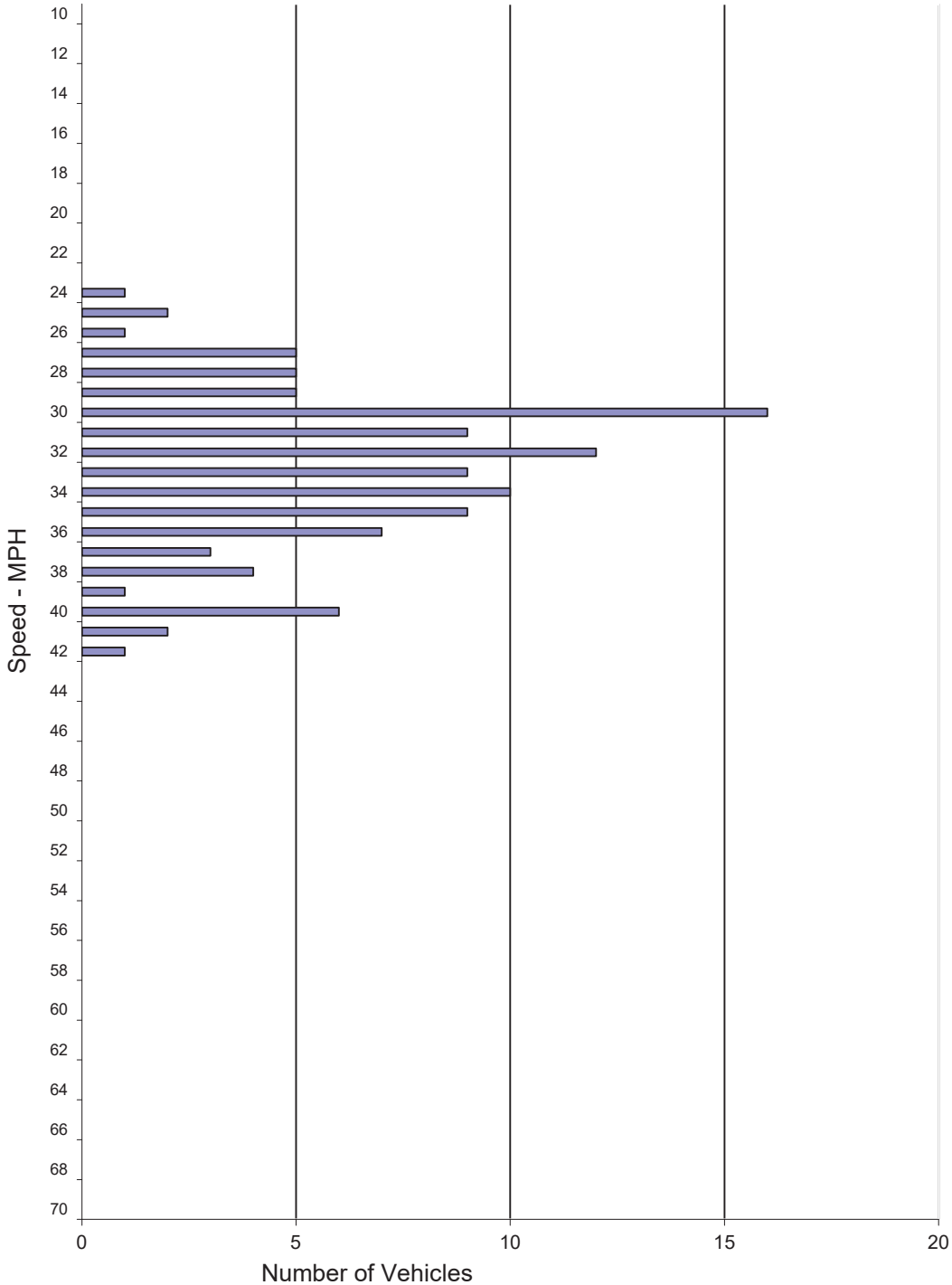
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** Capalina Rd Bet. Rancho Santa Fe Rd & N Pacific St
TIME: 09:50-10:30 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-089

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	1
25	2
26	1
27	5
28	5
29	5
30	16
31	9
32	12
33	9
34	10
35	9
36	7
37	3
38	4
39	1
40	6
41	2
42	1
43	
44	
45	
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69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	108	24 - 42	32 mph	37 mph	27 - 36	87	81%	3% / 4	16% / 17

Roadway	Carmel Street		
Segment	Twin Oaks Valley Rd to Hill St		
Pedestrian Facilities	Intermittent	Posted Speed Limit	40
Bicycle Facilities	No	85th Percentile Speed	41
Roadway Width (feet)	40	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.5/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

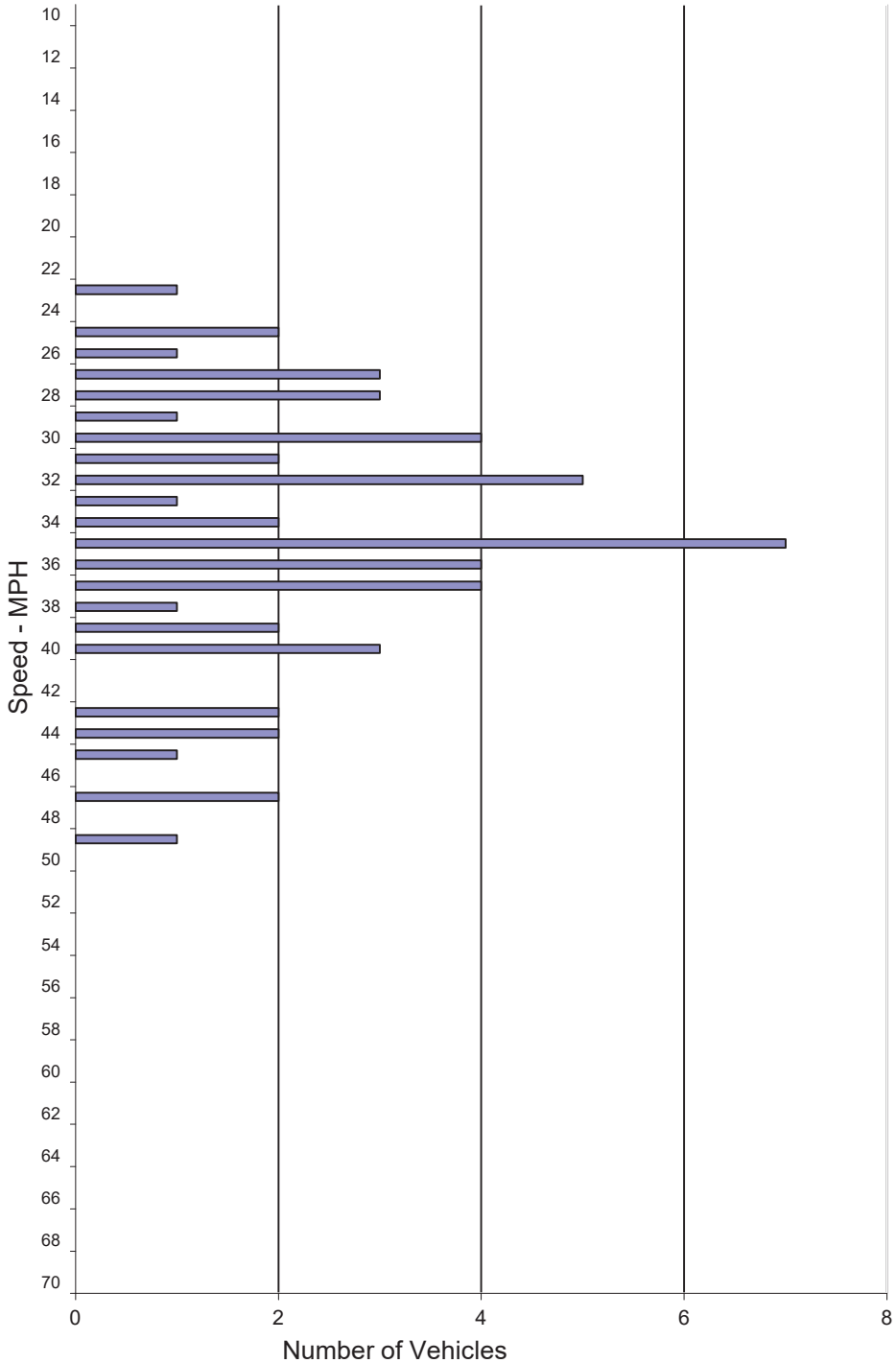
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** E Carmel St E/O Industrial St
TIME: 13:10-14:40 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-091

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
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16	
17	
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19	
20	
21	
22	
23	1
24	
25	2
26	1
27	3
28	3
29	1
30	4
31	2
32	5
33	1
34	2
35	7
36	4
37	4
38	1
39	2
40	3
41	
42	
43	2
44	2
45	1
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47	2
48	
49	1
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67	
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69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	54	23 - 49	35 mph	40 mph	28 - 37	33	61%	12% / 7	26% / 14

Spot Speed Study

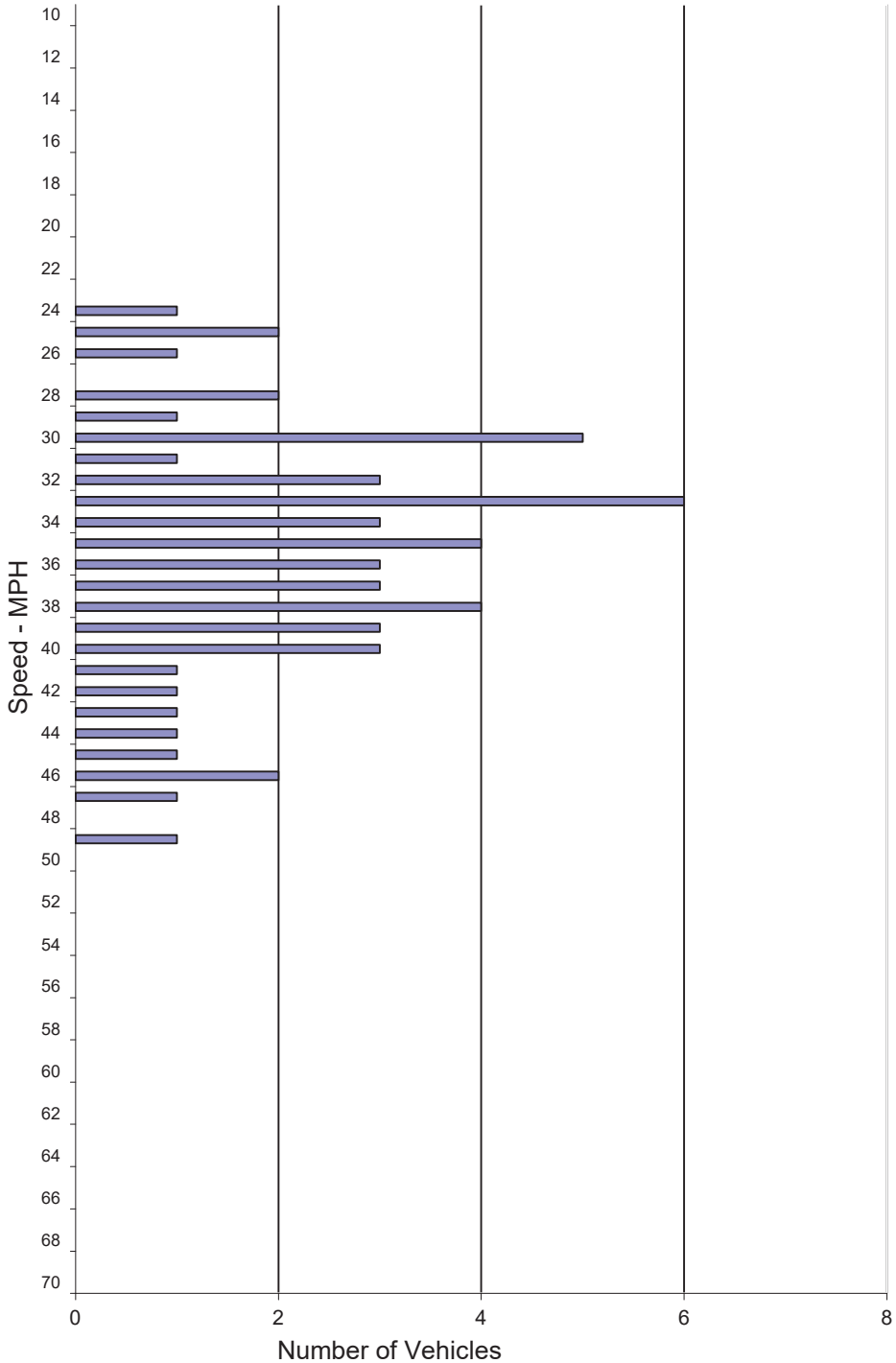
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** E Carmel St E/O Industrial St
TIME: 13:10-14:40 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-091

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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24	1
25	2
26	1
27	
28	2
29	1
30	5
31	1
32	3
33	6
34	3
35	4
36	3
37	3
38	4
39	3
40	3
41	1
42	1
43	1
44	1
45	1
46	2
47	1
48	
49	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	54	24 - 49	35 mph	41 mph	30 - 39	35	65%	12% / 7	23% / 12

Spot Speed Study

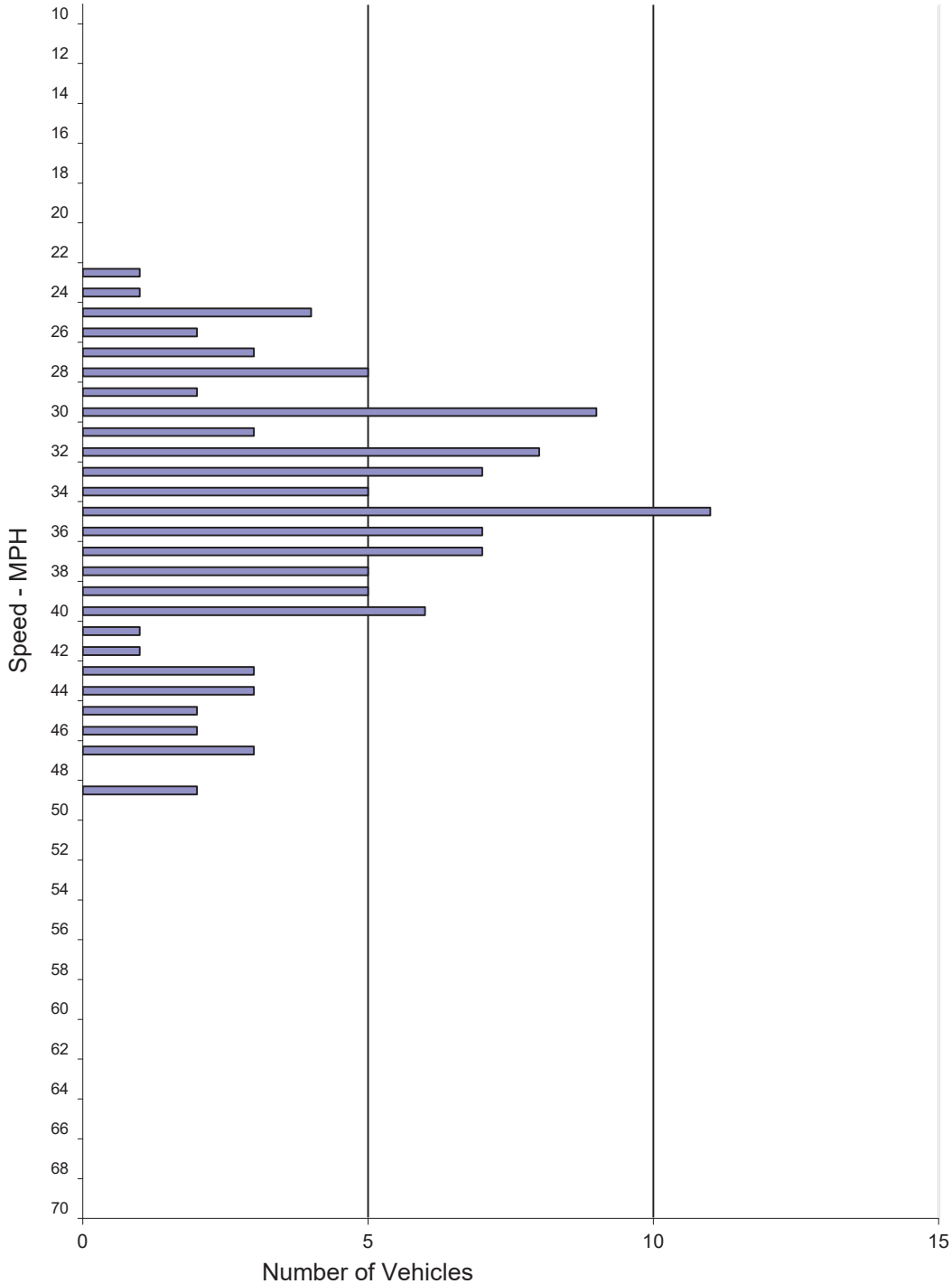
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** E Carmel St E/O Industrial St
TIME: 13:10-14:40 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-091

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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23	1
24	1
25	4
26	2
27	3
28	5
29	2
30	9
31	3
32	8
33	7
34	5
35	11
36	7
37	7
38	5
39	5
40	6
41	1
42	1
43	3
44	3
45	2
46	2
47	3
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49	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	108	23 - 49	35 mph	41 mph	30 - 39	67	62%	16% / 18	22% / 23

Roadway	Cassou Road		
Segment	Western City Limits to Twin Oaks Valley Rd		
Pedestrian Facilities	No	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	35
Roadway Width (feet)	24	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Cassou Rd **Segment:** W City Limits to Twin Oaks Valley Rd

Date/Time: 5/1/2024 9:10 AM - 11:55 AM **Direction:** East-West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
	X	1%	100%
40	X X	2%	99%
	X X	2%	97%
	X X X X X X	6%	95%
35	X X X X X X	6%	89%
	X X X X X X	6%	83%
	X X X X X X X X	8%	77%
	X X X X X X X X X X X X	12%	69%
	X X X X X X	6%	57%
30	X X X X X X	6%	51%
	X X X X X	5%	45%
	X X X X X X X X X	9%	40%
	X X X X X	5%	31%
	X X X X	4%	26%
25	X X X	3%	22%
	X X X X X	5%	19%
	X X X X	4%	14%
	X X X	3%	10%
	X X	2%	7%
20	X X X X	4%	5%
	X	1%	1%
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	30 mph	35 mph	27-36 mph	69	69%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Cassou Rd **Segment:** W City Limits to Twin Oaks Valley Rd

Date/Time: 5/1/2024 9:10 AM - 11:55 AM **Direction:** East

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
	X	2%	100%
40			
	X	2%	98%
	X X X X	8%	96%
35	X X X X X	10%	88%
	X X	4%	78%
	X X X X	8%	74%
	X X X X X X X	14%	66%
	X X X X	8%	52%
30	X X X	6%	44%
	X X	4%	38%
	X X X X X	10%	34%
	X X	4%	24%
	X X	4%	20%
25	X X	4%	16%
	X	2%	12%
	X	2%	10%
	X	2%	8%
20	X X	4%	6%
	X	2%	2%
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	31 mph	35 mph	27-36 mph	38	76%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Cassou Rd **Segment:** W City Limits to Twin Oaks Valley Rd

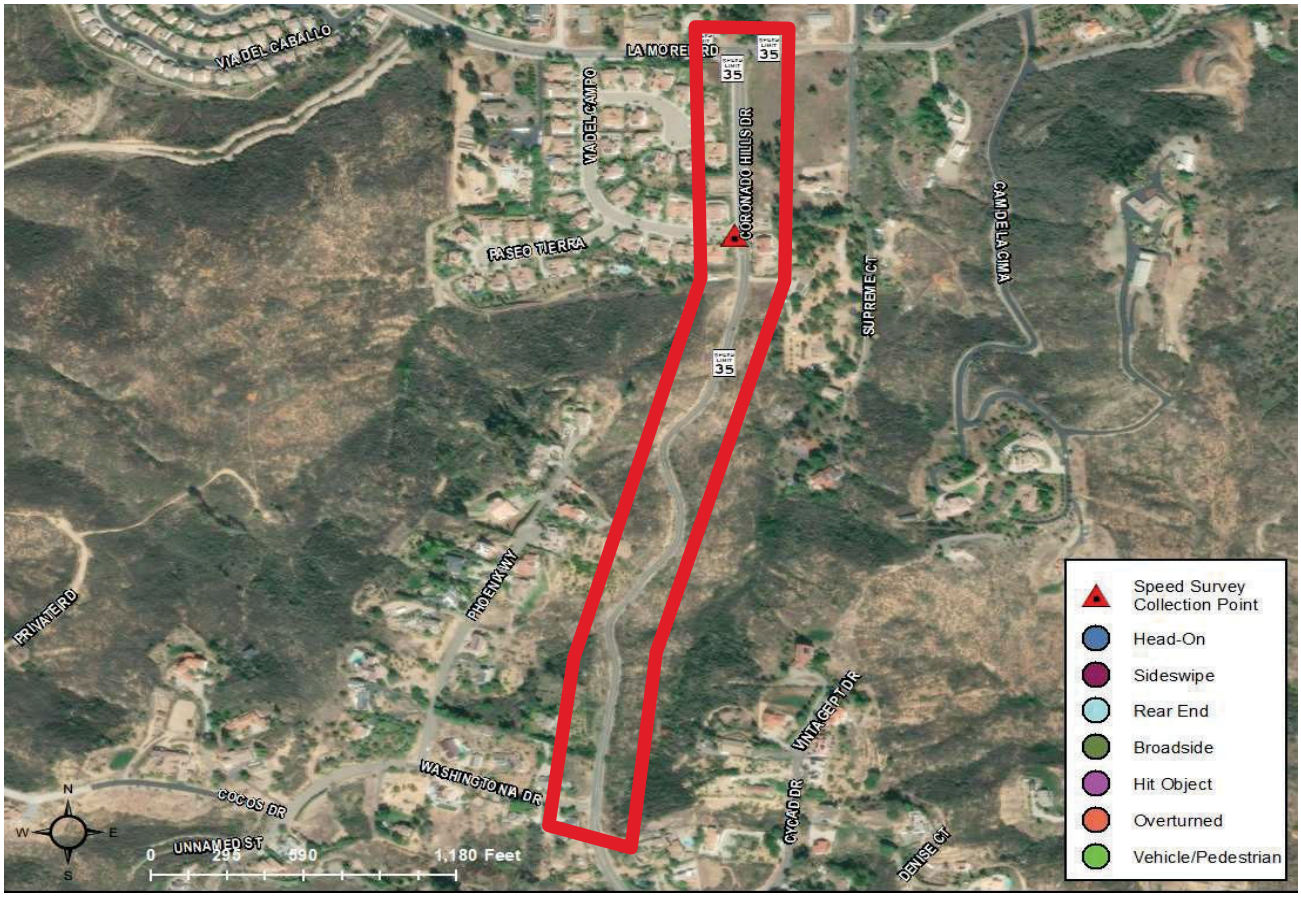
Date/Time: 5/1/2024 9:10 AM - 11:55 AM **Direction:** West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
40	XX	4%	100%
	X	2%	96%
	XX	4%	94%
35	X	2%	90%
	XXXX	8%	88%
	XXXX	8%	80%
	XXXXX	10%	72%
	XX	4%	62%
30	XXX	6%	58%
	XXX	6%	52%
	XXXX	8%	46%
	XXX	6%	38%
	XX	4%	32%
25	X	2%	28%
	XXXX	8%	26%
	XXX	6%	18%
	XX	4%	12%
	XX	4%	8%
20	XX	4%	4%
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	29 mph	34 mph	26-35 mph	31	62%

Roadway	Coronado Hills Drive		
Segment	La Moree Rd to Washingtonia Dr		
Pedestrian Facilities	No	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	41
Roadway Width (feet)	34	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	2.01/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

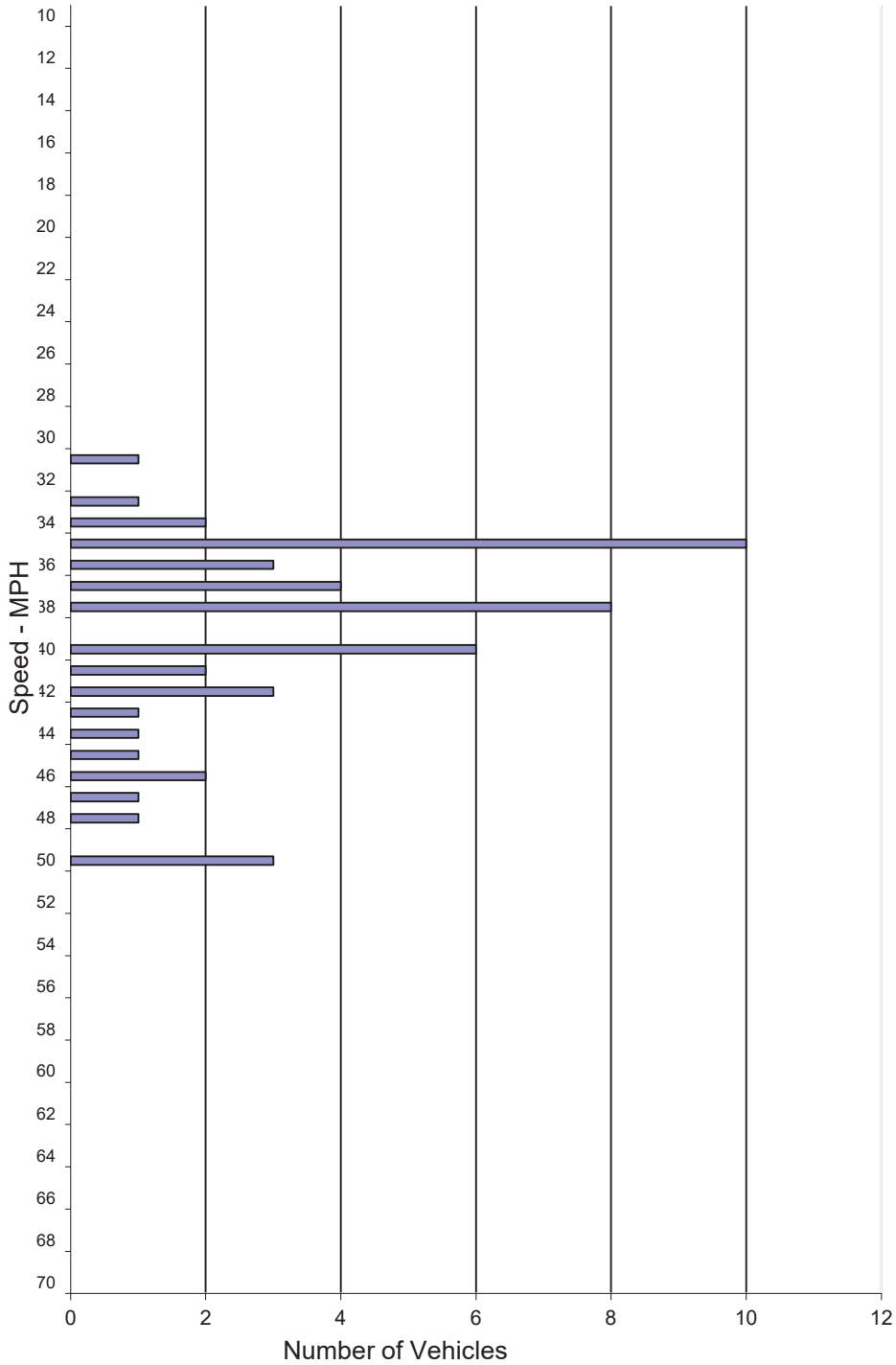
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Coronado Hills Dr S/O Via Del Campo
TIME: 12:40-13:40 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-084

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	1
32	
33	1
34	2
35	10
36	3
37	4
38	8
39	
40	6
41	2
42	3
43	1
44	1
45	1
46	2
47	1
48	1
49	
50	3
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	31 - 50	38 mph	45 mph	33 - 42	39	78%	2% / 1	20% / 10

Spot Speed Study

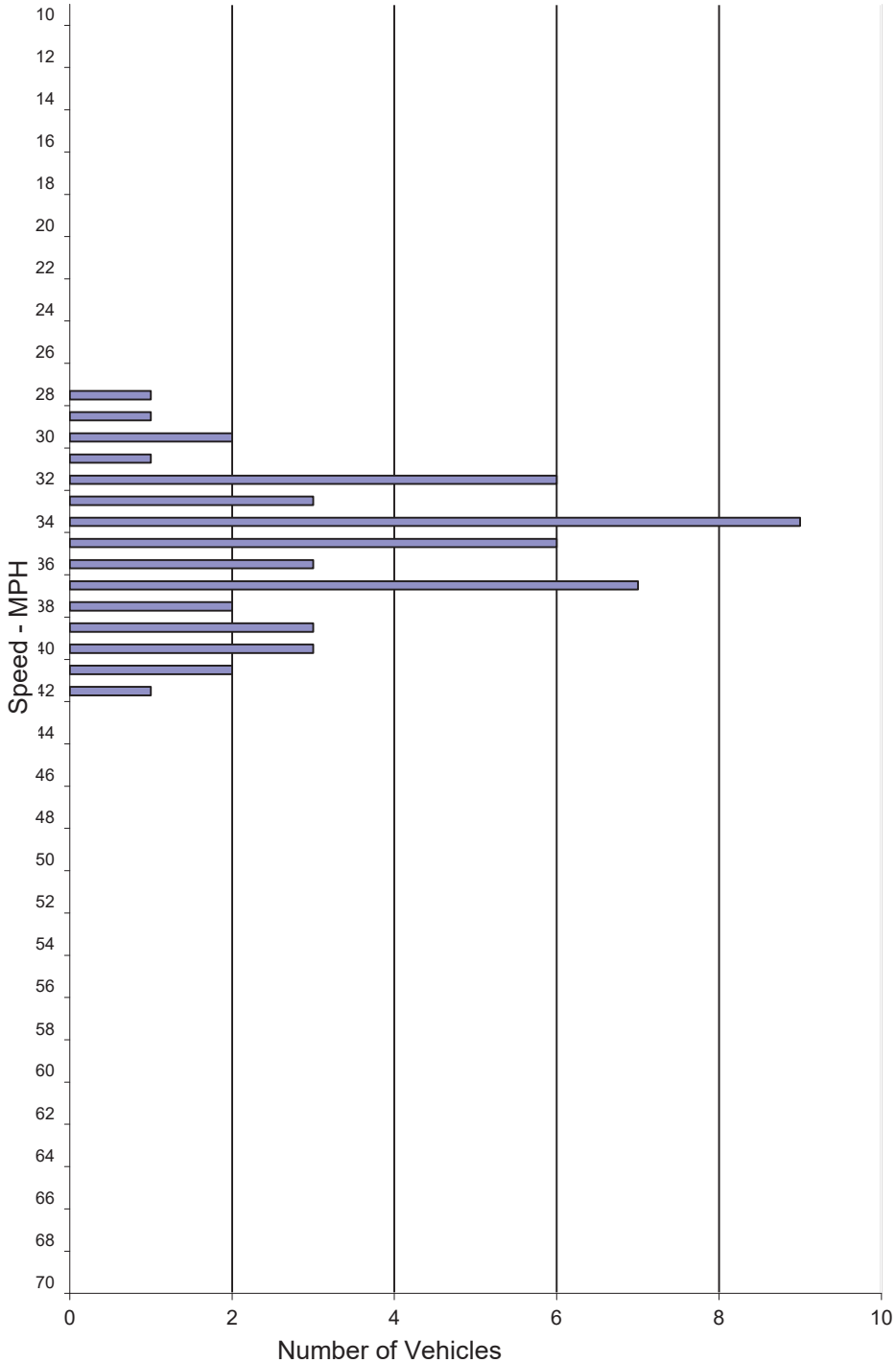
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Coronado Hills Dr S/O Via Del Campo
TIME: 12:40-13:40 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-084

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	1
29	1
30	2
31	1
32	6
33	3
34	9
35	6
36	3
37	7
38	2
39	3
40	3
41	2
42	1
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	28 - 42	35 mph	39 mph	32 - 41	44	88%	10% / 5	2% / 1

Spot Speed Study

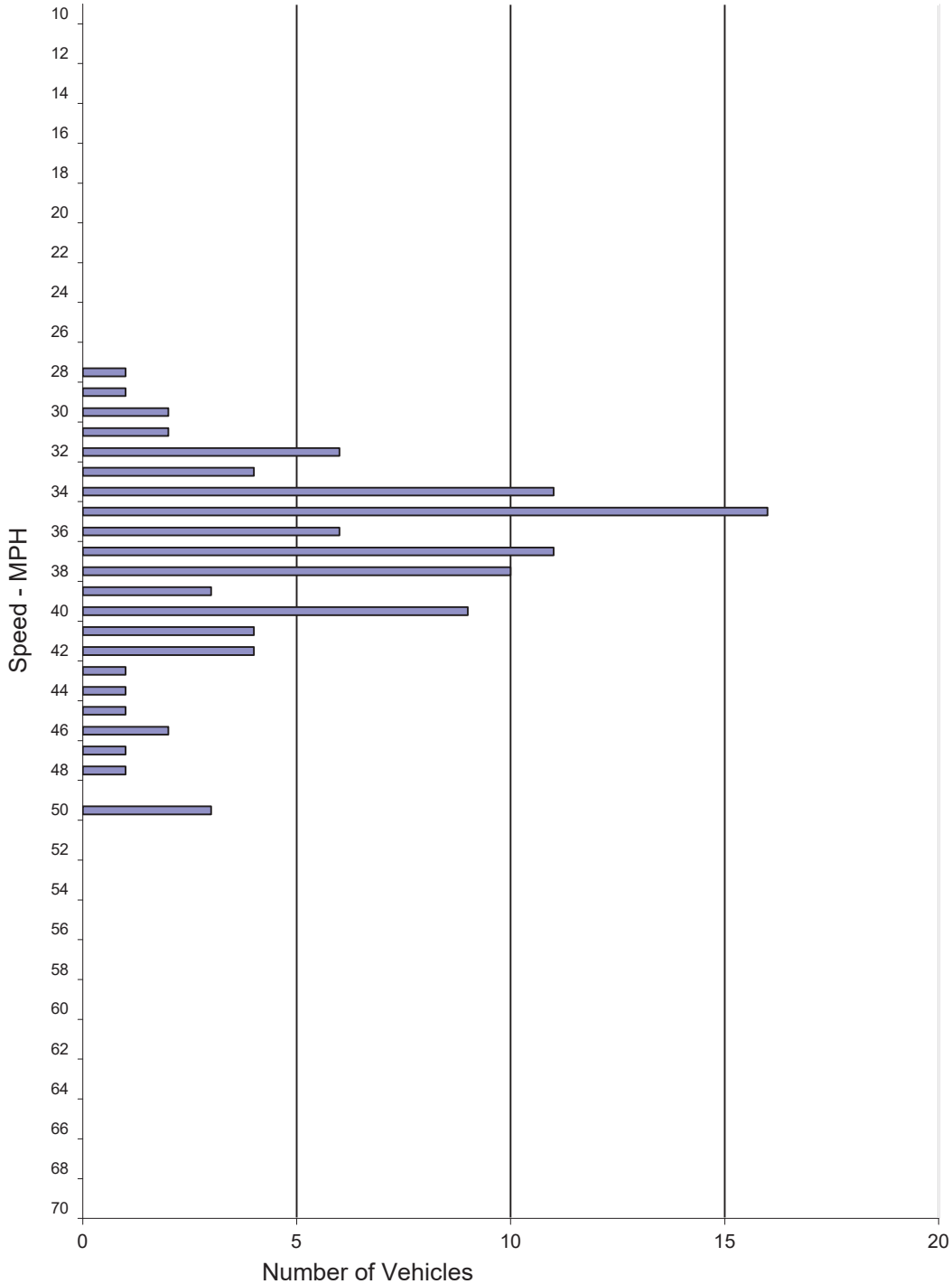
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Coronado Hills Dr S/O Via Del Campo
TIME: 12:40-13:40 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-084

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	1
29	1
30	2
31	2
32	6
33	4
34	11
35	16
36	6
37	11
38	10
39	3
40	9
41	4
42	4
43	1
44	1
45	1
46	2
47	1
48	1
49	
50	3
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	28 - 50	37 mph	41 mph	32 - 41	80	80%	6% / 6	14% / 14

Roadway	Cox Road		
Segment	Sycamore Dr to Birchwood Dr		
Pedestrian Facilities	No	Posted Speed Limit	30
Bicycle Facilities	No	85th Percentile Speed	32
Roadway Width (feet)	32	Recommended Speed Limit	30
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

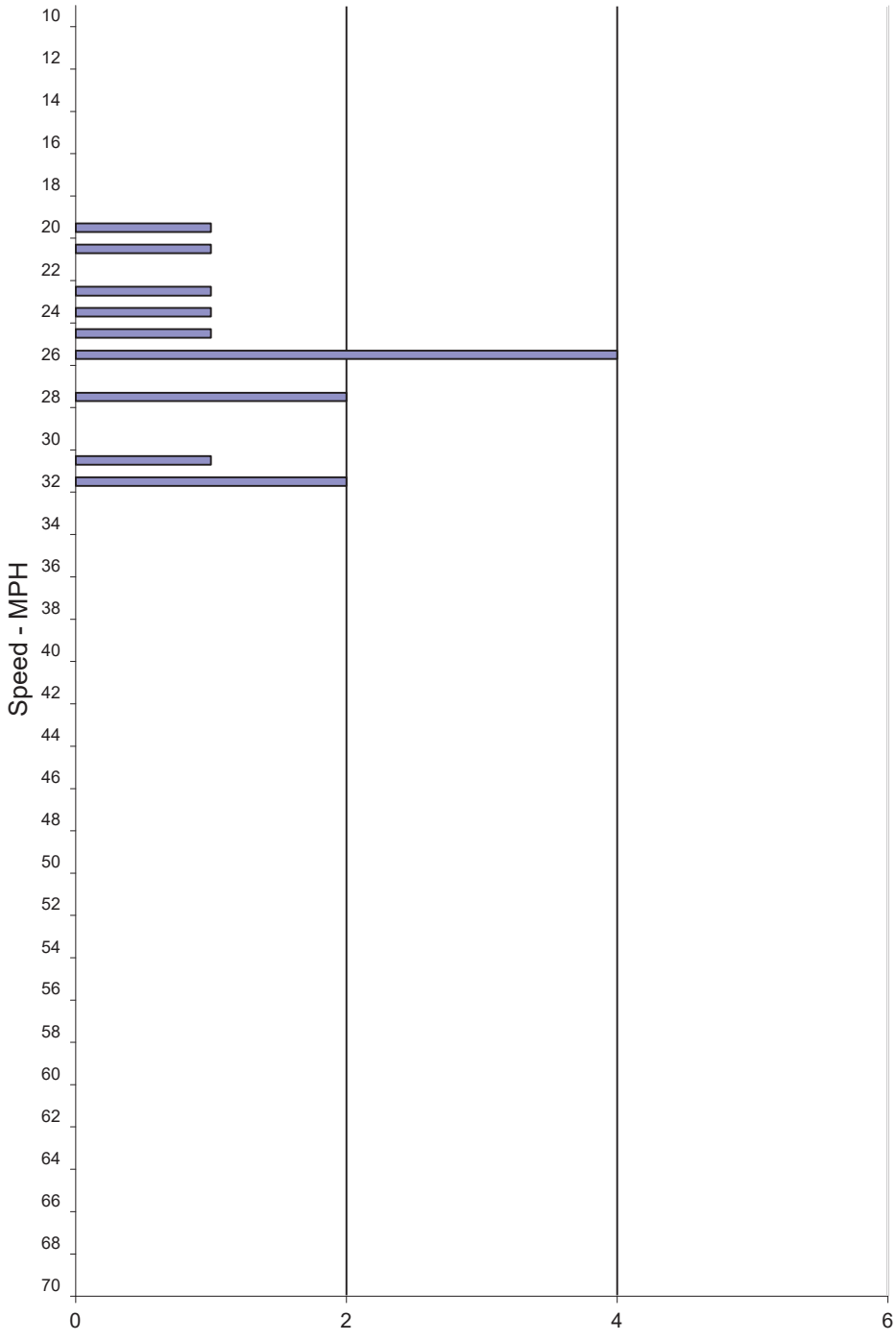
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Cox Rd W/O Savannah Way
TIME: 10:40-12:40 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-102

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	1
22	
23	1
24	1
25	1
26	4
27	
28	2
29	
30	
31	1
32	2
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	14	20 - 32	26 mph	31 mph	23 - 32	12	86%	14% / 2	0% / 0

Spot Speed Study

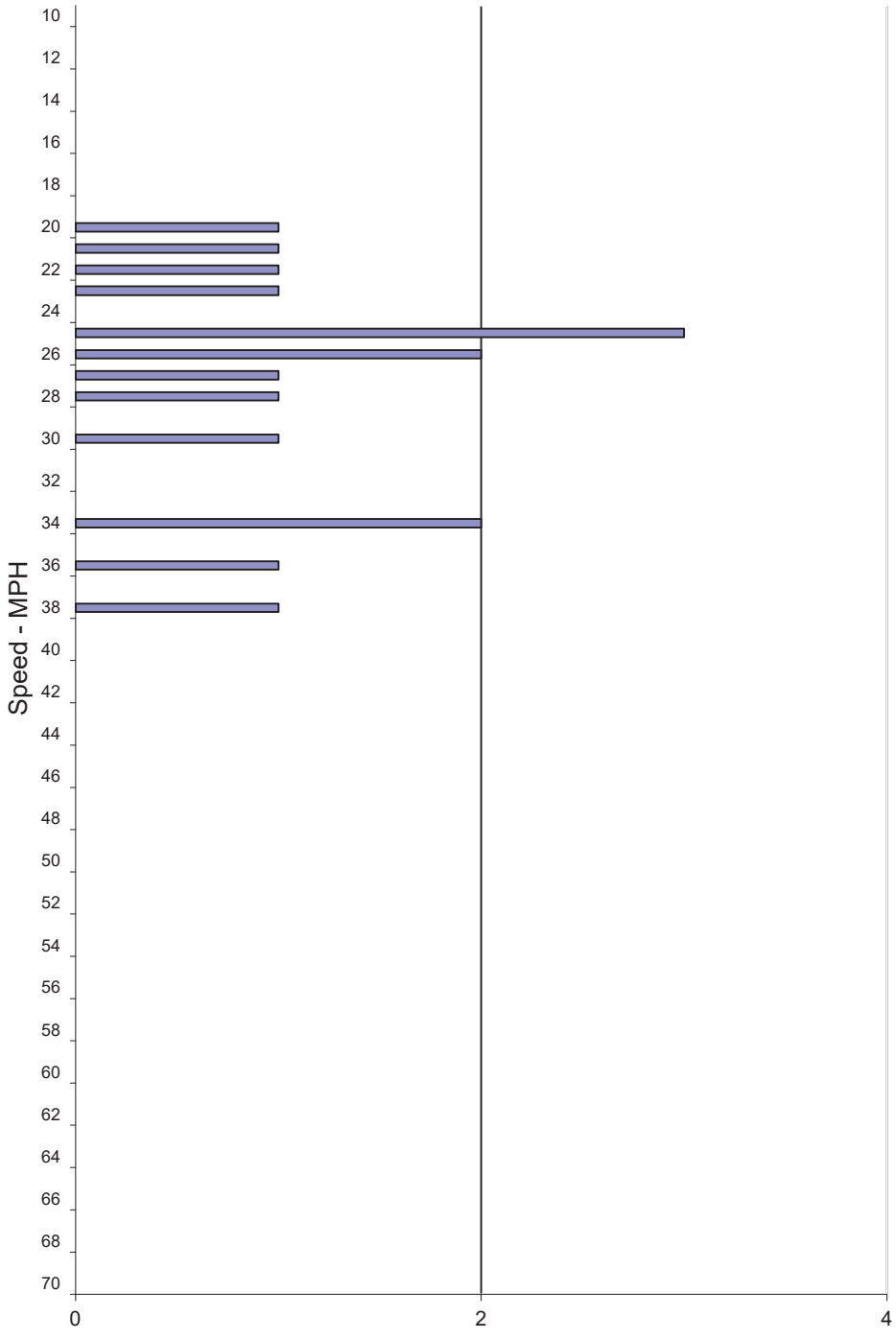
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Cox Rd W/O Savannah Way
TIME: 10:40-12:40 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-102

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	1
22	1
23	1
24	
25	3
26	2
27	1
28	1
29	
30	1
31	
32	
33	
34	2
35	
36	1
37	
38	1
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	16	20 - 38	26 mph	34 mph	19 - 28	11	69%	0% / 0	32% / 5

Spot Speed Study

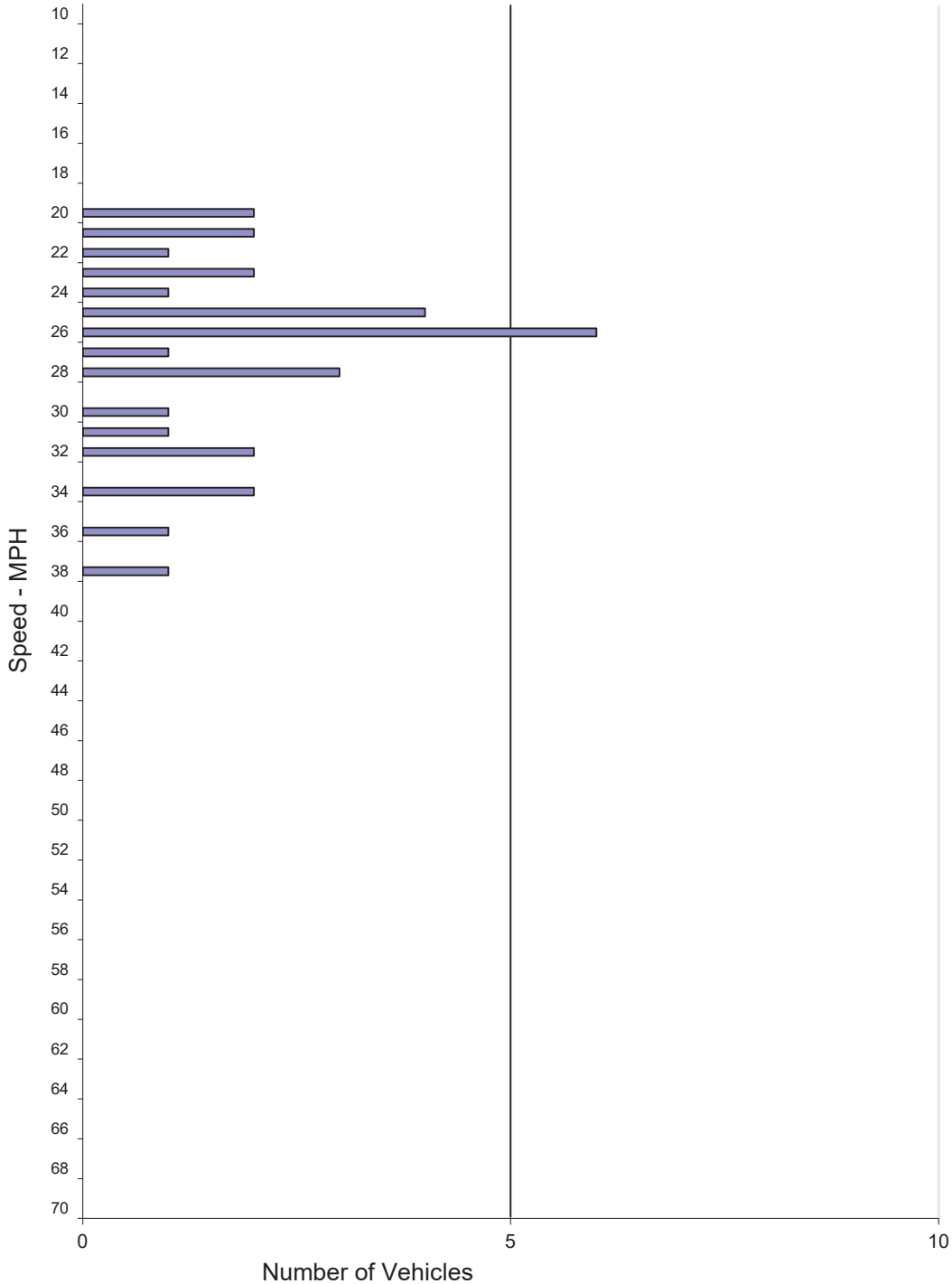
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Cox Rd W/O Savannah Way
TIME: 10:40-12:40 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-102

Eastbound & Westbound Spot Speeds

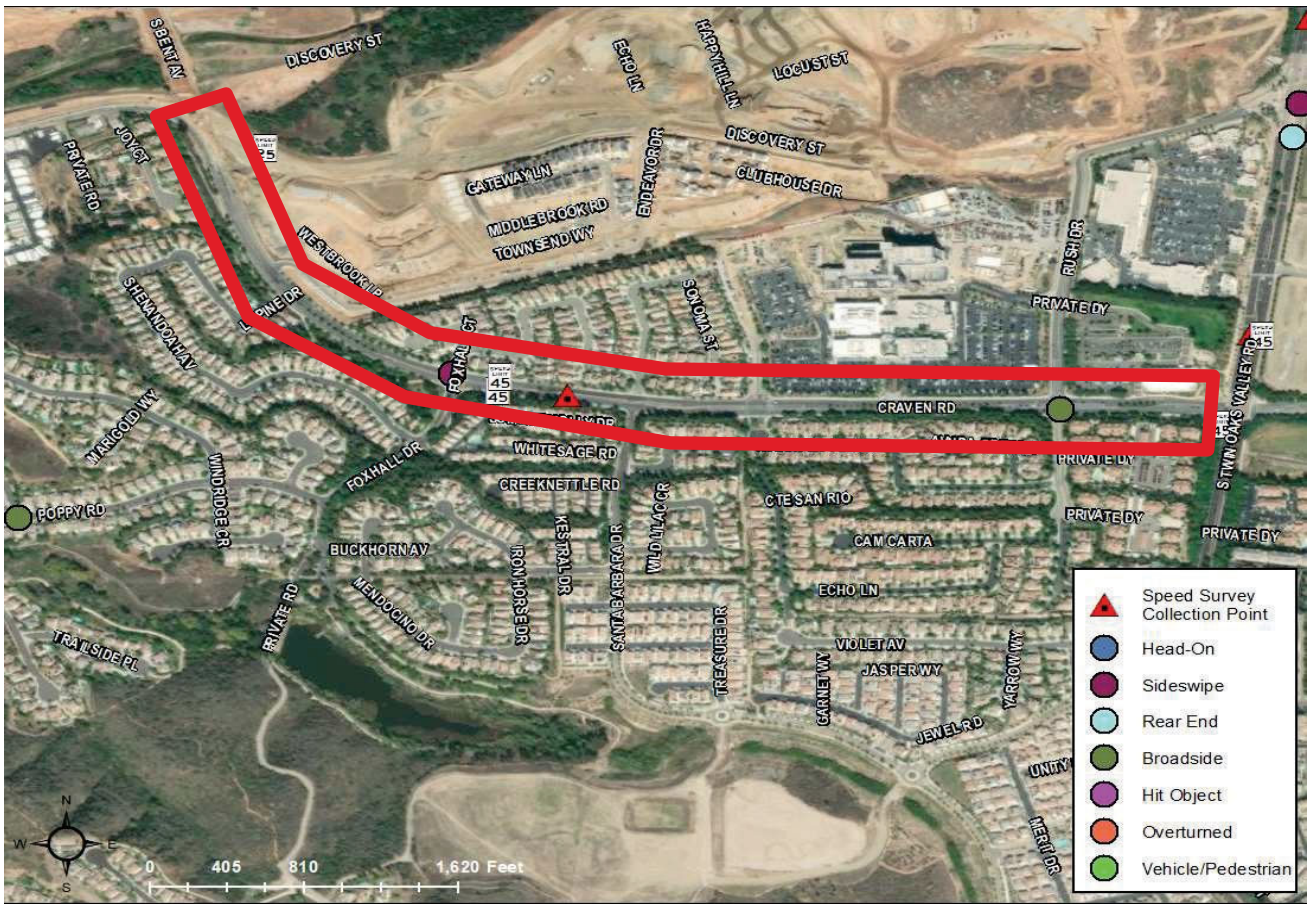
Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	2
21	2
22	1
23	2
24	1
25	4
26	6
27	1
28	3
29	
30	1
31	1
32	2
33	
34	2
35	
36	1
37	
38	1
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	30	20 - 38	26 mph	32 mph	19 - 28	22	73%	0% / 0	27% / 8

Roadway	Craven Road		
Segment	Discovery St to Twin Oaks Valley Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	44
Roadway Width (feet)	78	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.25/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

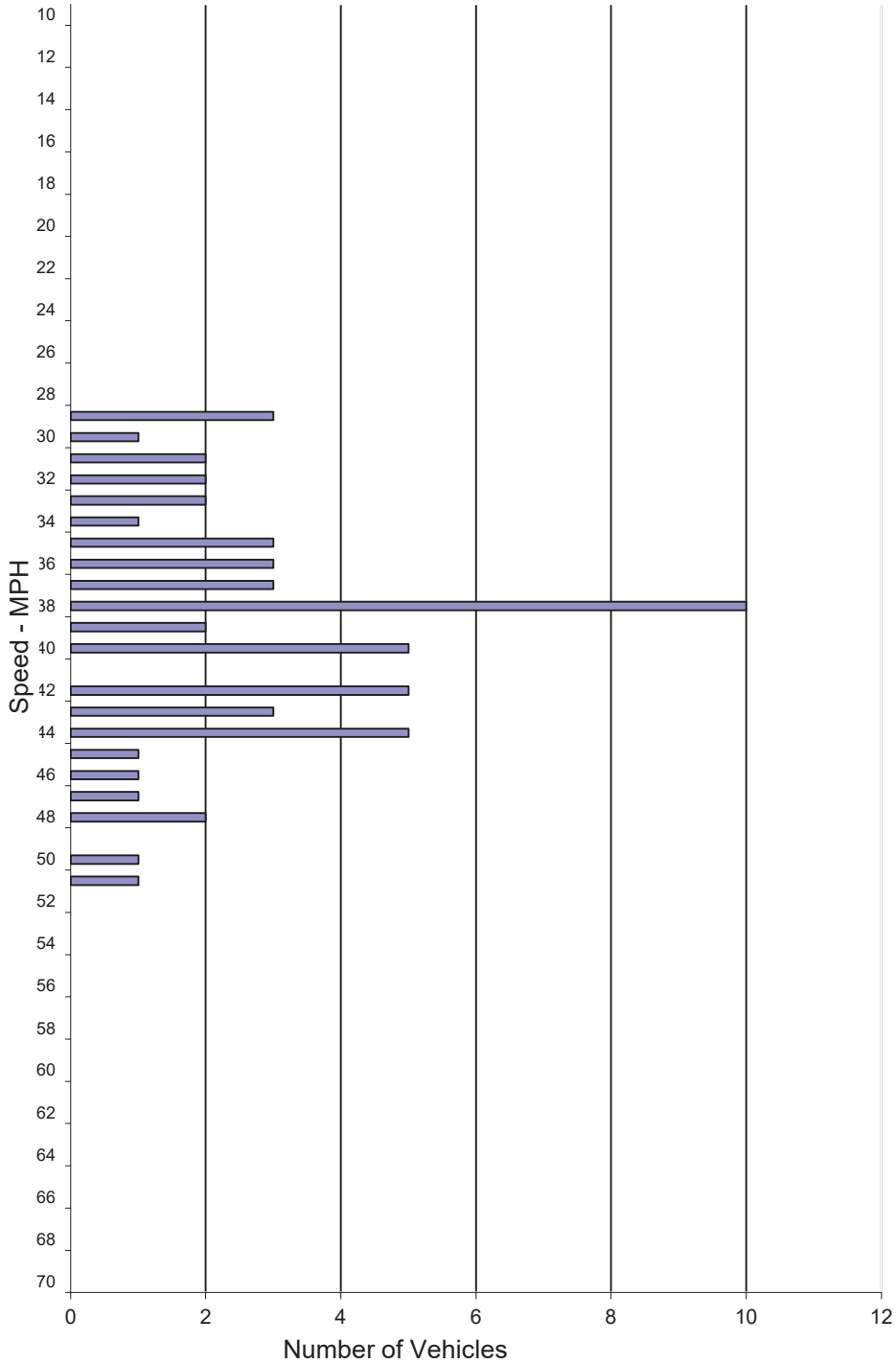
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Craven Rd W/O Santa Barbara Dr
TIME: 14:09-14:58 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-073

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	3
30	1
31	2
32	2
33	2
34	1
35	3
36	3
37	3
38	10
39	2
40	5
41	
42	5
43	3
44	5
45	1
46	1
47	1
48	2
49	
50	1
51	1
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	57	29 - 51	38 mph	44 mph	35 - 44	39	68%	19% / 11	13% / 7

Spot Speed Study

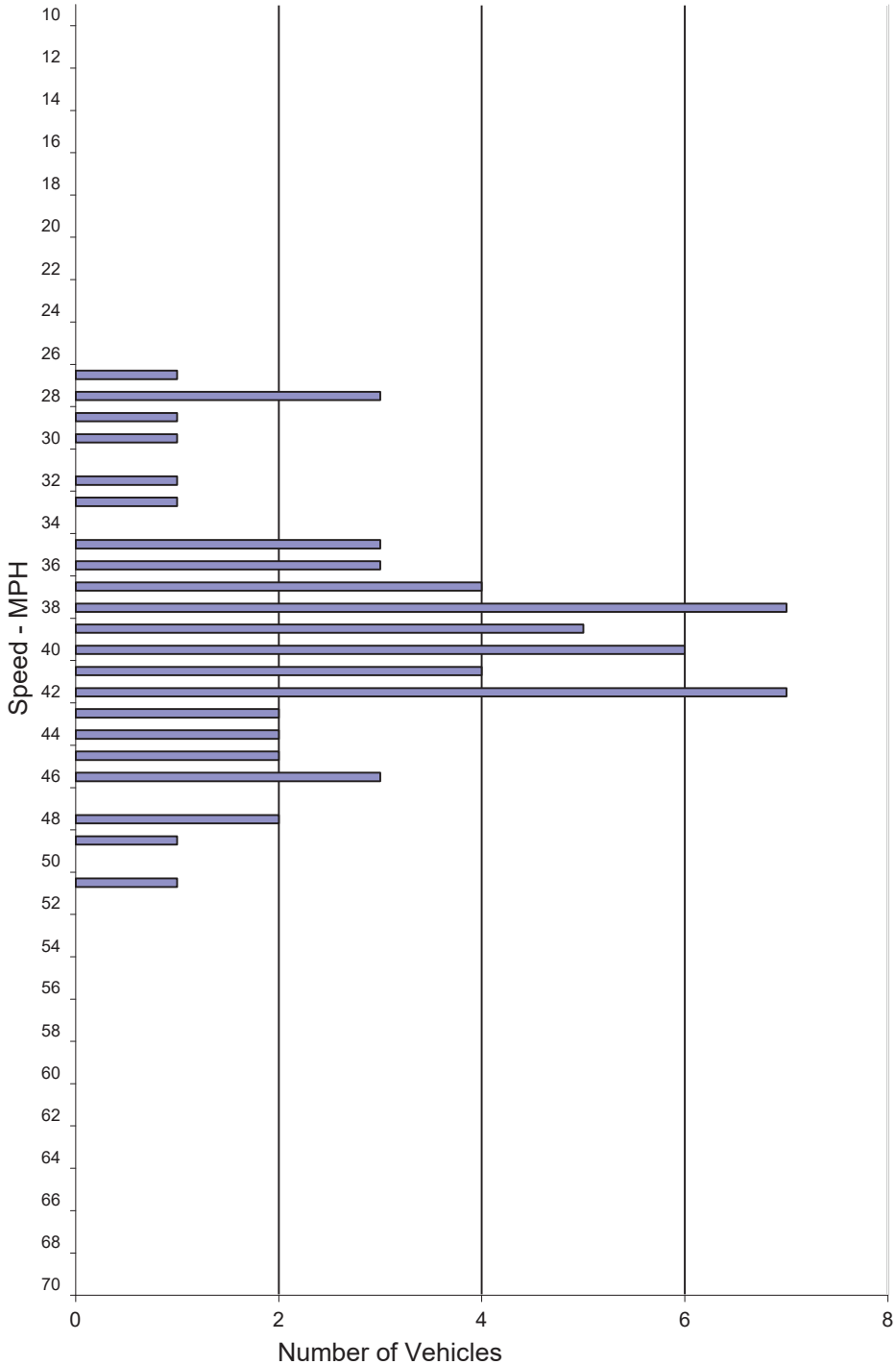
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Craven Rd W/O Santa Barbara Dr
TIME: 14:09-14:58 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-073

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	1
28	3
29	1
30	1
31	
32	1
33	1
34	
35	3
36	3
37	4
38	7
39	5
40	6
41	4
42	7
43	2
44	2
45	2
46	3
47	
48	2
49	1
50	
51	1
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	60	27 - 51	39 mph	44 mph	35 - 44	43	72%	13% / 8	15% / 9

Spot Speed Study

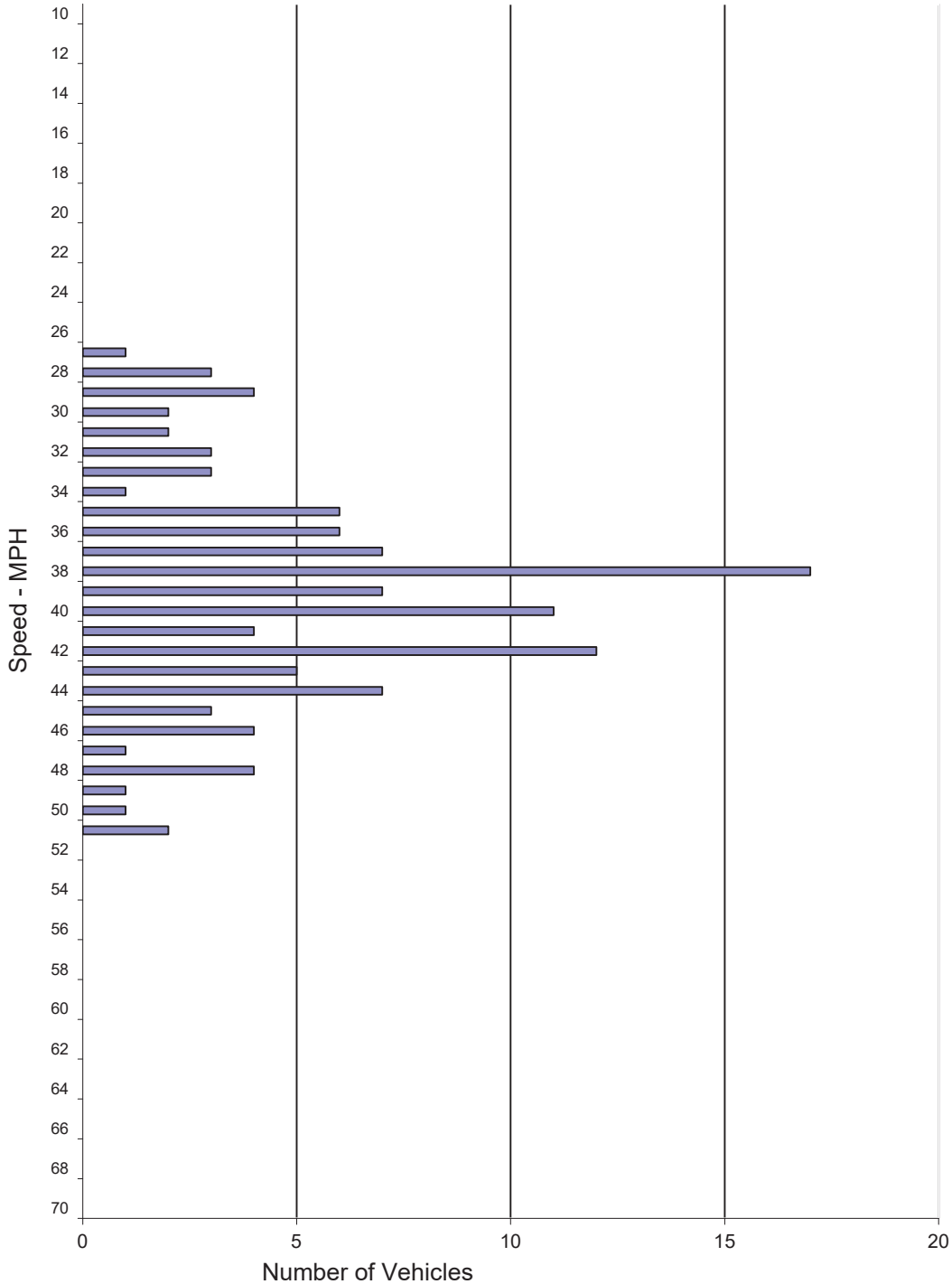
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Craven Rd W/O Santa Barbara Dr
TIME: 14:09-14:58 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-073

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	1
28	3
29	4
30	2
31	2
32	3
33	3
34	1
35	6
36	6
37	7
38	17
39	7
40	11
41	4
42	12
43	5
44	7
45	3
46	4
47	1
48	4
49	1
50	1
51	2
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	117	27 - 51	39 mph	44 mph	35 - 44	82	70%	16% / 19	14% / 16

Roadway	Deer Springs Road		
Segment	Northern City Limits to Twin Oaks Valley Rd		
Pedestrian Facilities	No	Posted Speed Limit	45
Bicycle Facilities	No	85th Percentile Speed	45
Roadway Width (feet)	25	Recommended Speed Limit	45
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.44/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

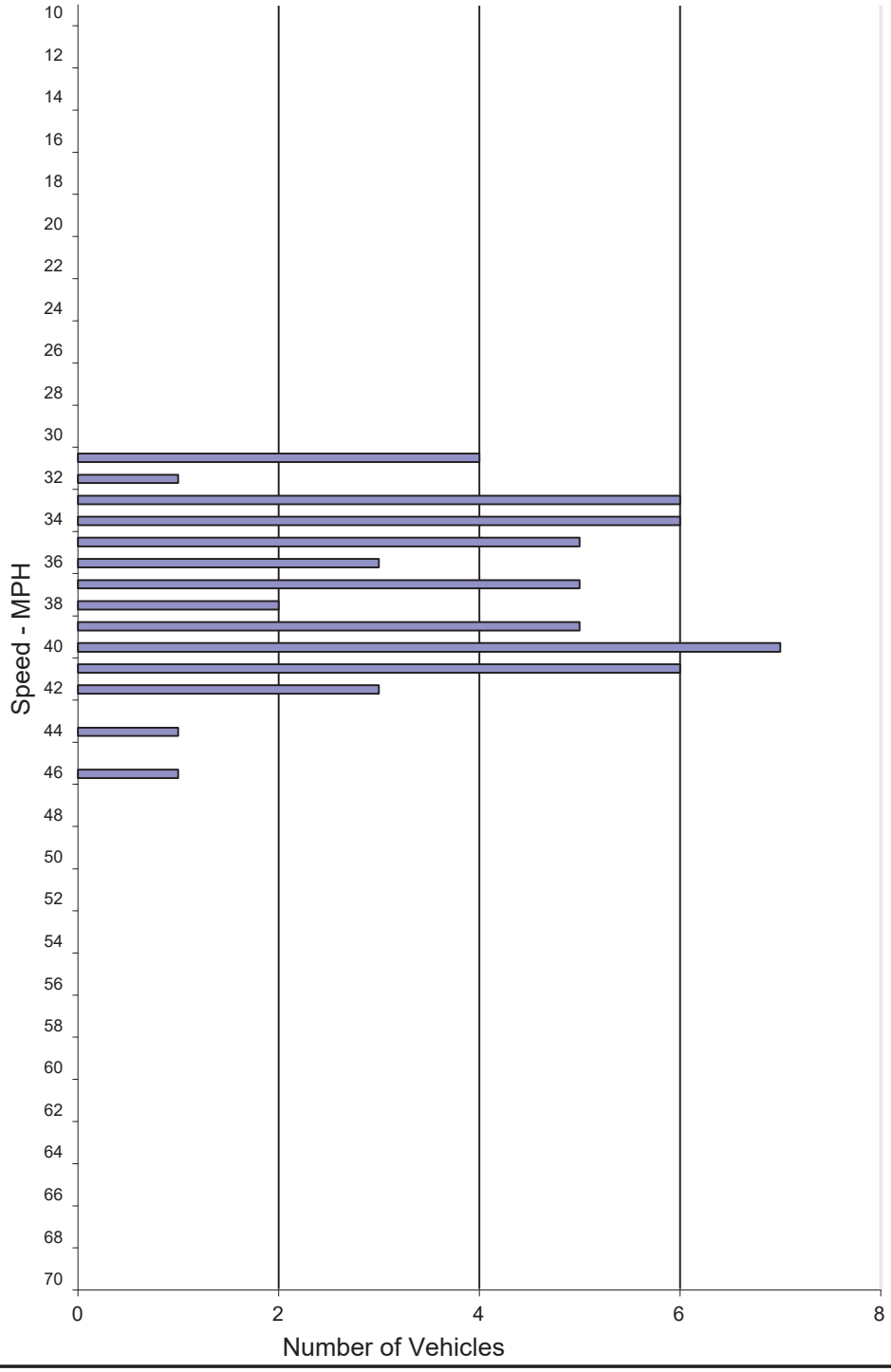
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Deer Springs Rd/CR S12 N/O Sycamore Dr
TIME: 15:02-15:24 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-050

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	4
32	1
33	6
34	6
35	5
36	3
37	5
38	2
39	5
40	7
41	6
42	3
43	
44	1
45	
46	1
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	31 - 46	37 mph	41 mph	33 - 42	48	87%	9% / 5	4% / 2

Spot Speed Study

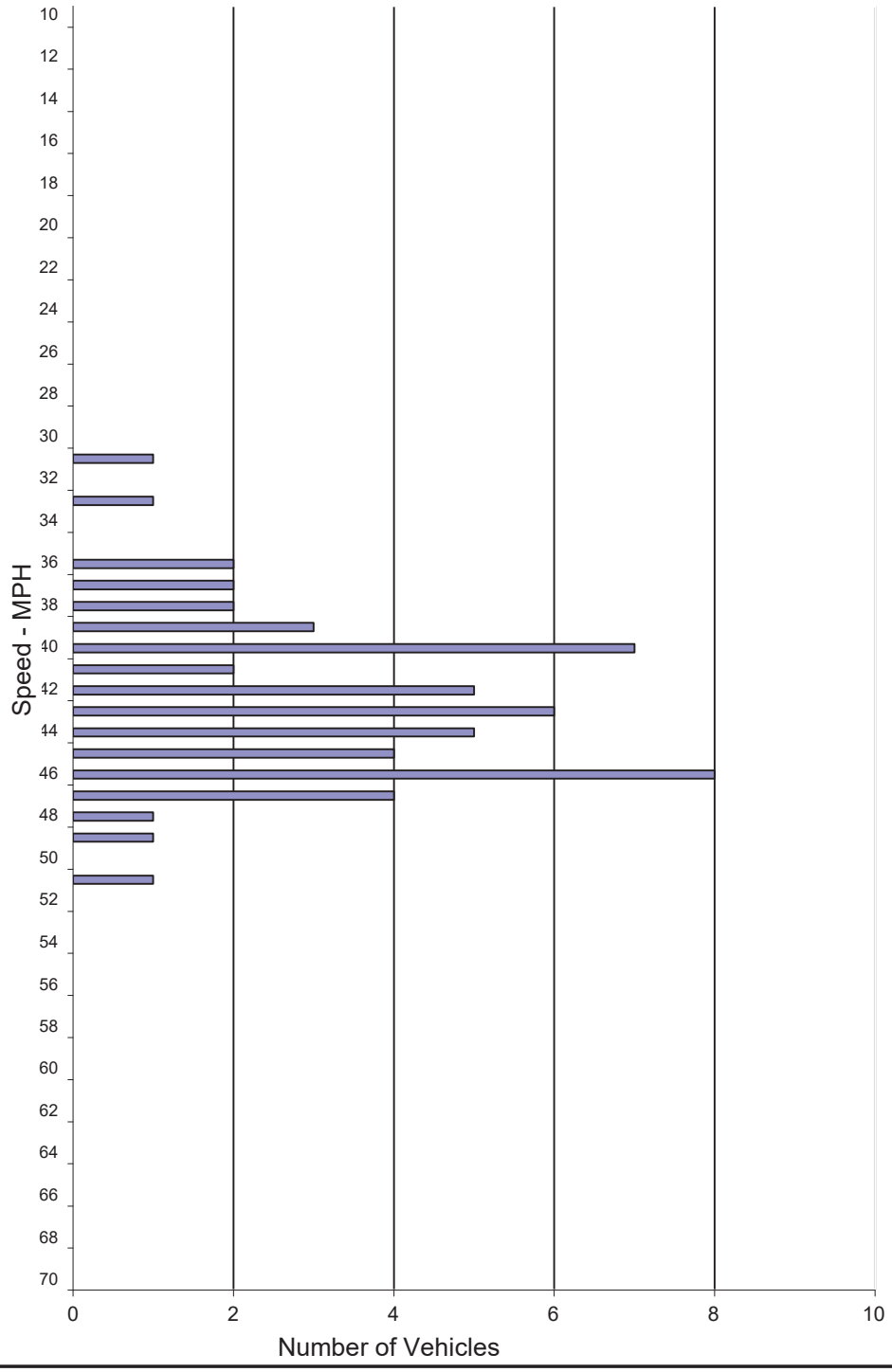
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Deer Springs Rd/CR S12 N/O Sycamore Dr
TIME: 15:02-15:24 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-050

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	1
32	
33	1
34	
35	
36	2
37	2
38	2
39	3
40	7
41	2
42	5
43	6
44	5
45	4
46	8
47	4
48	1
49	1
50	
51	1
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	31 - 51	43 mph	46 mph	38 - 47	46	84%	10% / 6	6% / 3

Spot Speed Study

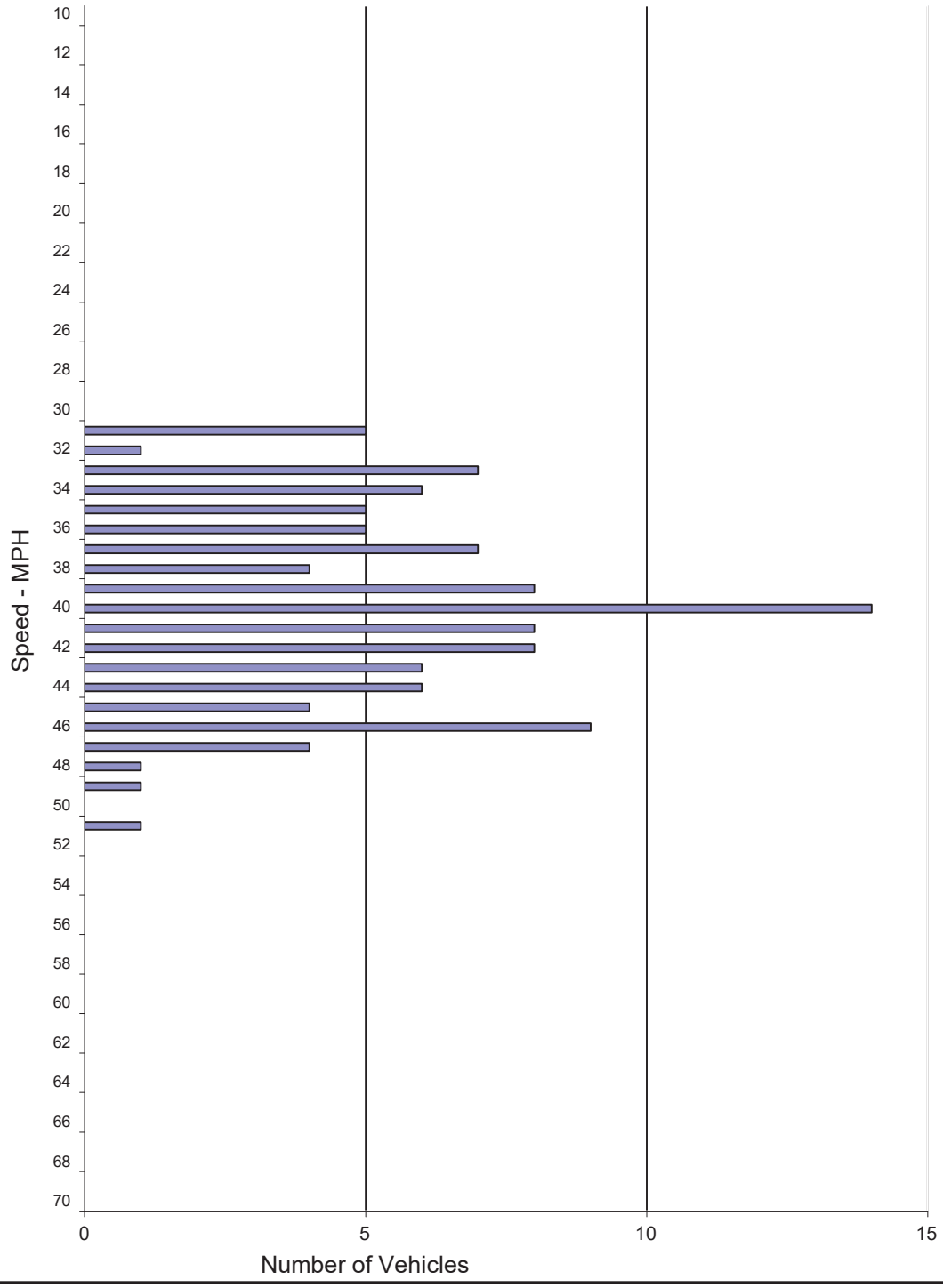
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Deer Springs Rd/CR S12 N/O Sycamore Dr
TIME: 15:02-15:24 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-050

Northbound & Southbound Spot Speeds

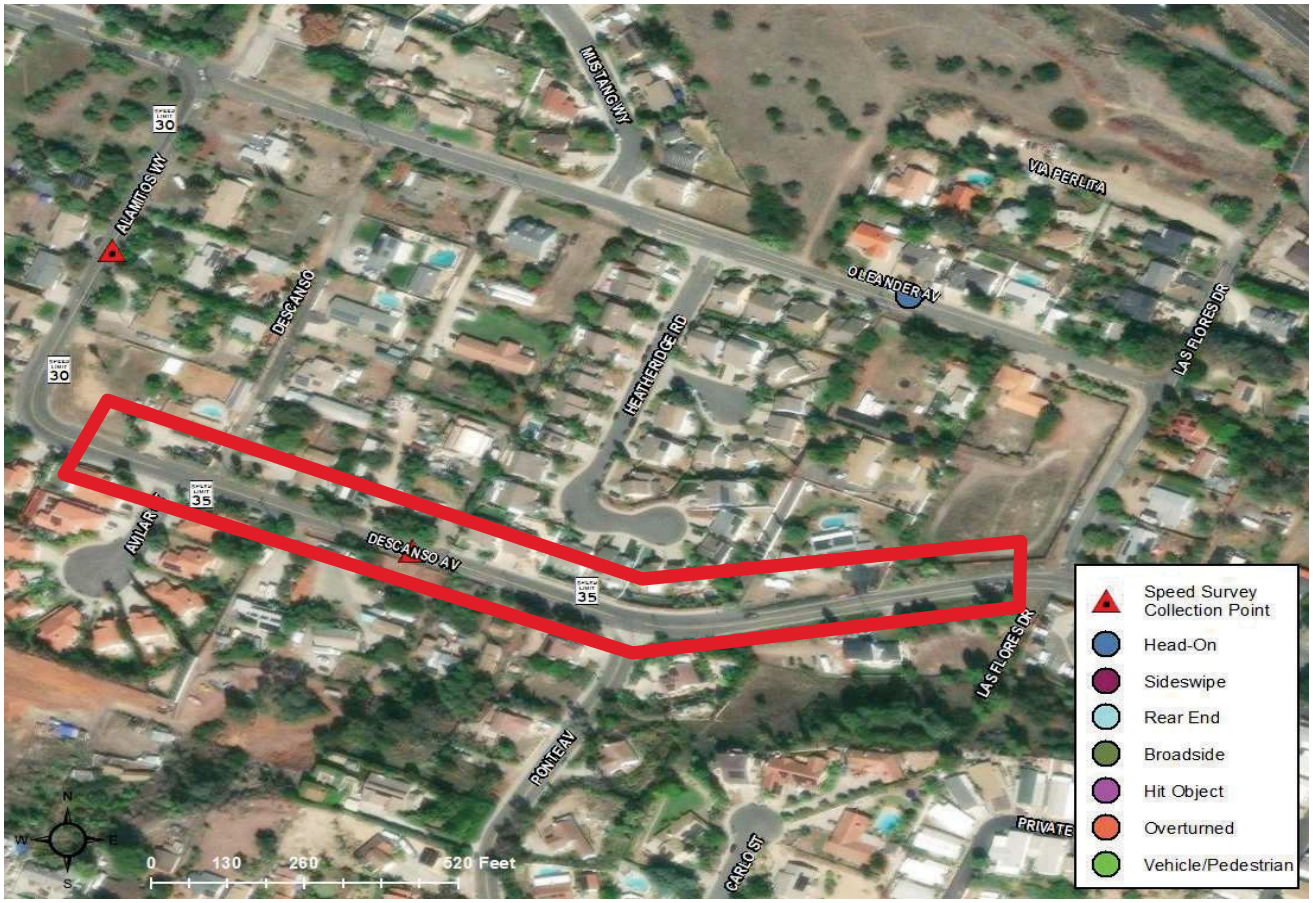
Speed mph	ALL Vehicles
<=10	
11	
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13	
14	
15	
16	
17	
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19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	5
32	1
33	7
34	6
35	5
36	5
37	7
38	4
39	8
40	14
41	8
42	8
43	6
44	6
45	4
46	9
47	4
48	1
49	1
50	
51	1
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	110	31 - 51	40 mph	45 mph	37 - 46	74	67%	26% / 29	7% / 7

Roadway	Descanso Avenue		
Segment	Alamitos Wy to Las Flores Dr		
Pedestrian Facilities	Intermittent	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	39
Roadway Width (feet)	24	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	1.52/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

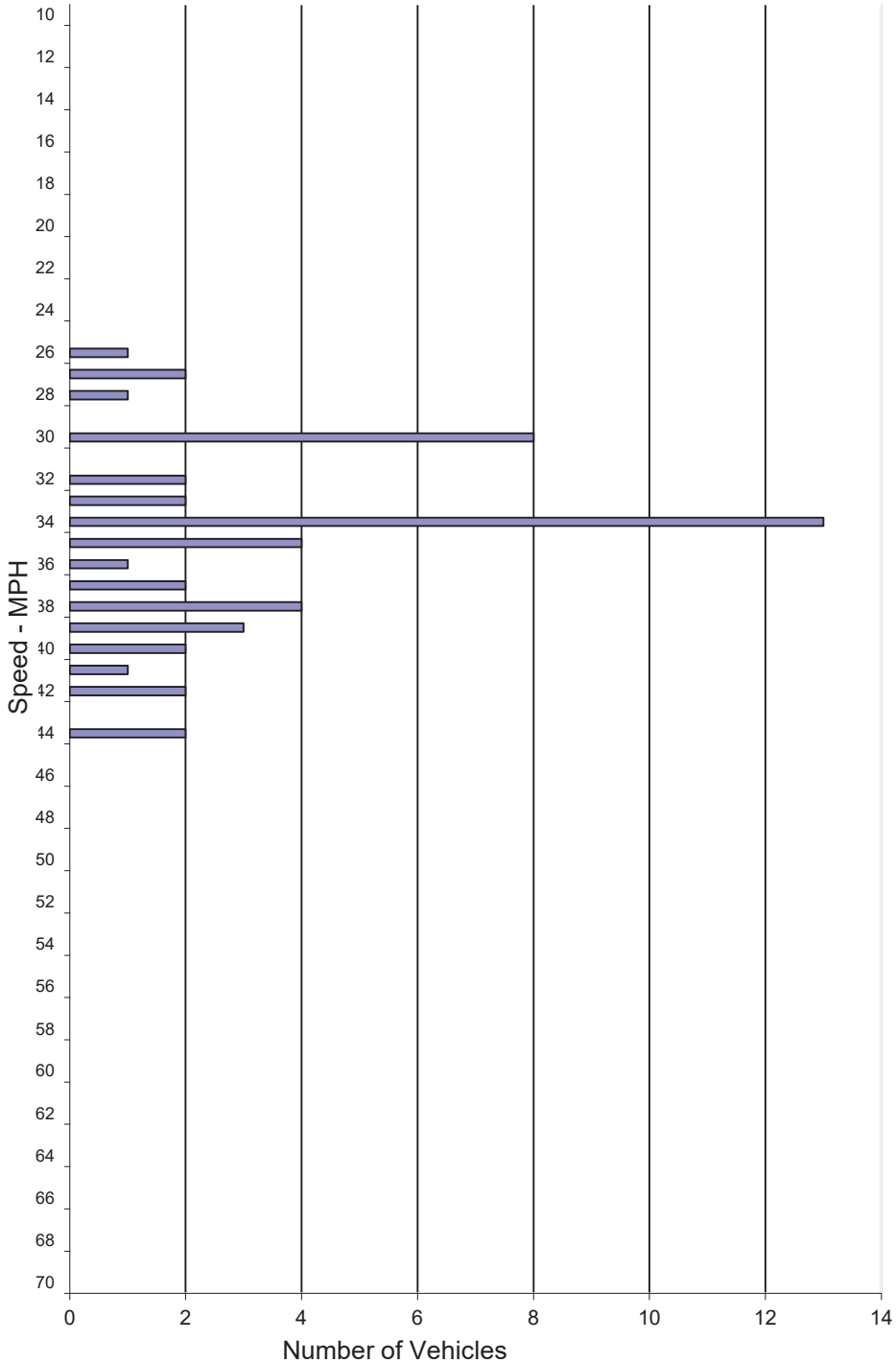
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** Descanso Ave W/O Ponte Ave
TIME: 13:00-15:30 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-022

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	1
27	2
28	1
29	
30	8
31	
32	2
33	2
34	13
35	4
36	1
37	2
38	4
39	3
40	2
41	1
42	2
43	
44	2
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	26 - 44	34 mph	39 mph	30 - 39	39	78%	8% / 4	14% / 7

Spot Speed Study

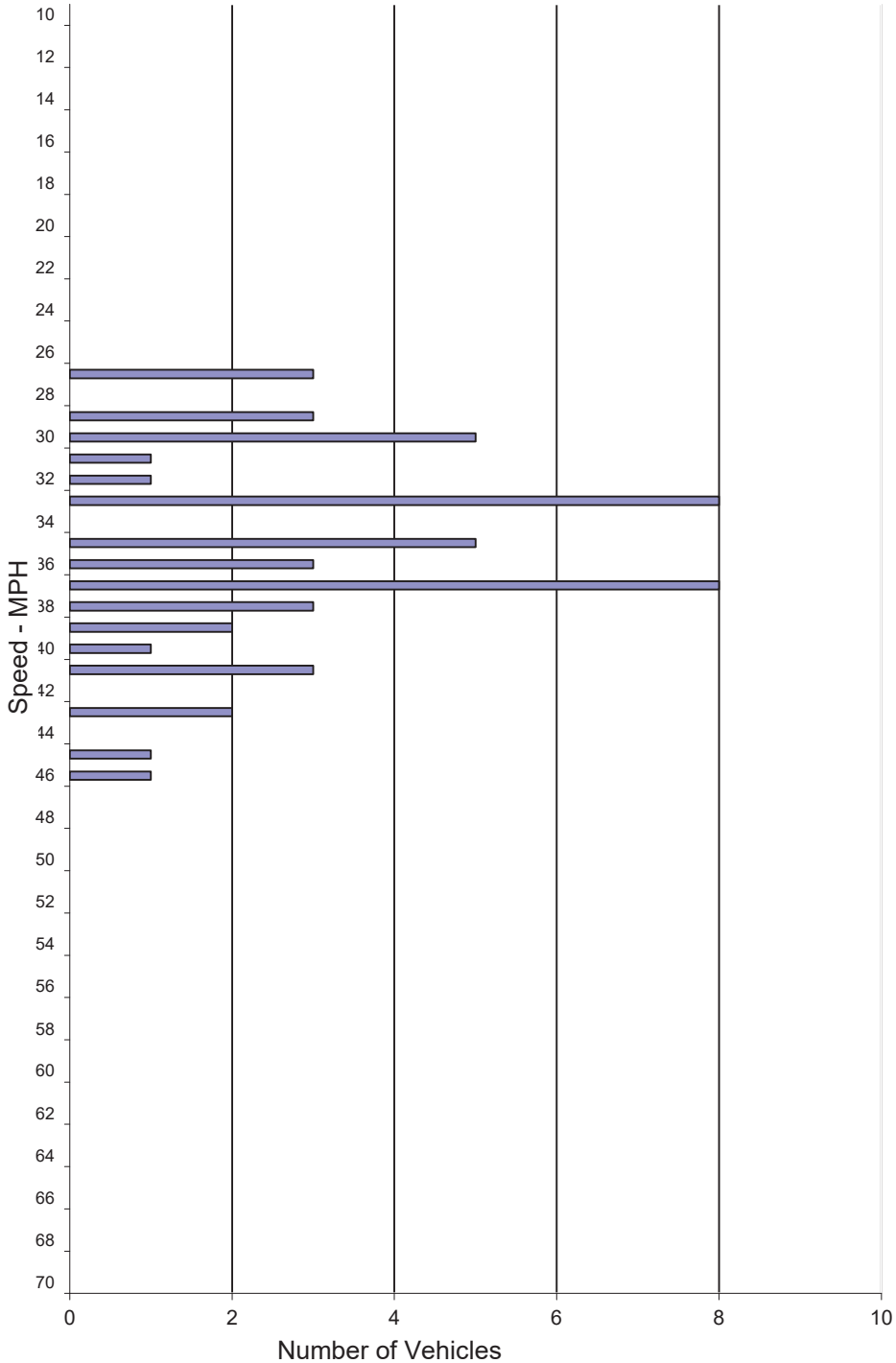
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** Descanso Ave W/O Ponte Ave
TIME: 13:00-15:30 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-022

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	3
28	
29	3
30	5
31	1
32	1
33	8
34	
35	5
36	3
37	8
38	3
39	2
40	1
41	3
42	
43	2
44	
45	1
46	1
47	
48	
49	
50	
51	
52	
53	
54	
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56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	27 - 46	35 mph	40 mph	29 - 38	37	74%	6% / 3	20% / 10

Spot Speed Study

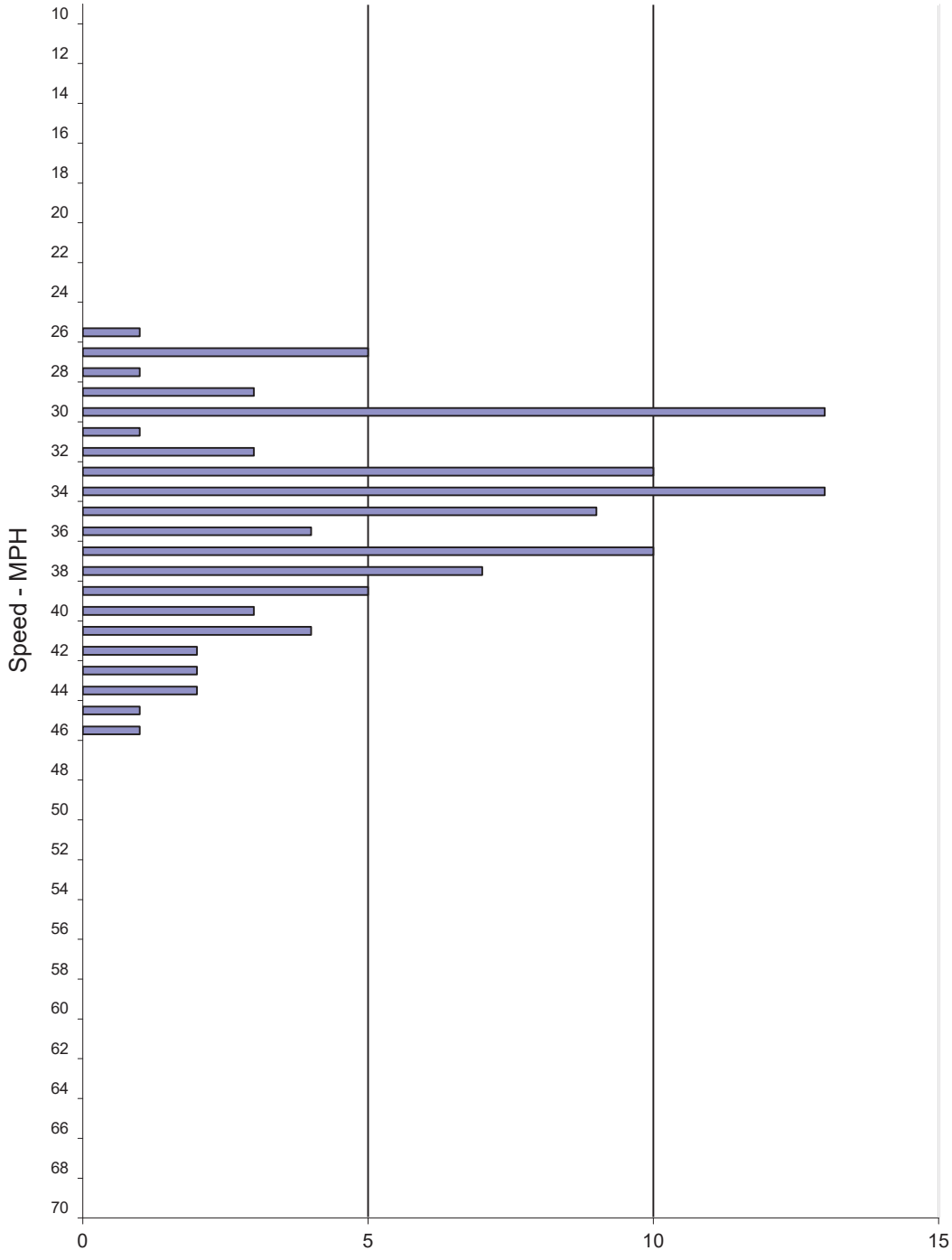
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** Descanso Ave W/O Ponte Ave
TIME: 13:00-15:30 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-022

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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22	
23	
24	
25	
26	1
27	5
28	1
29	3
30	13
31	1
32	3
33	10
34	13
35	9
36	4
37	10
38	7
39	5
40	3
41	4
42	2
43	2
44	2
45	1
46	1
47	
48	
49	
50	
51	
52	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	26 - 46	34 mph	39 mph	30 - 39	75	75%	10% / 10	15% / 15

Roadway	Descanso Avenue		
Segment	Las Flores Dr to Rancho Santa Fe Rd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	39
Roadway Width (feet)	62	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.25/1.33
Median	Striped / Raised	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

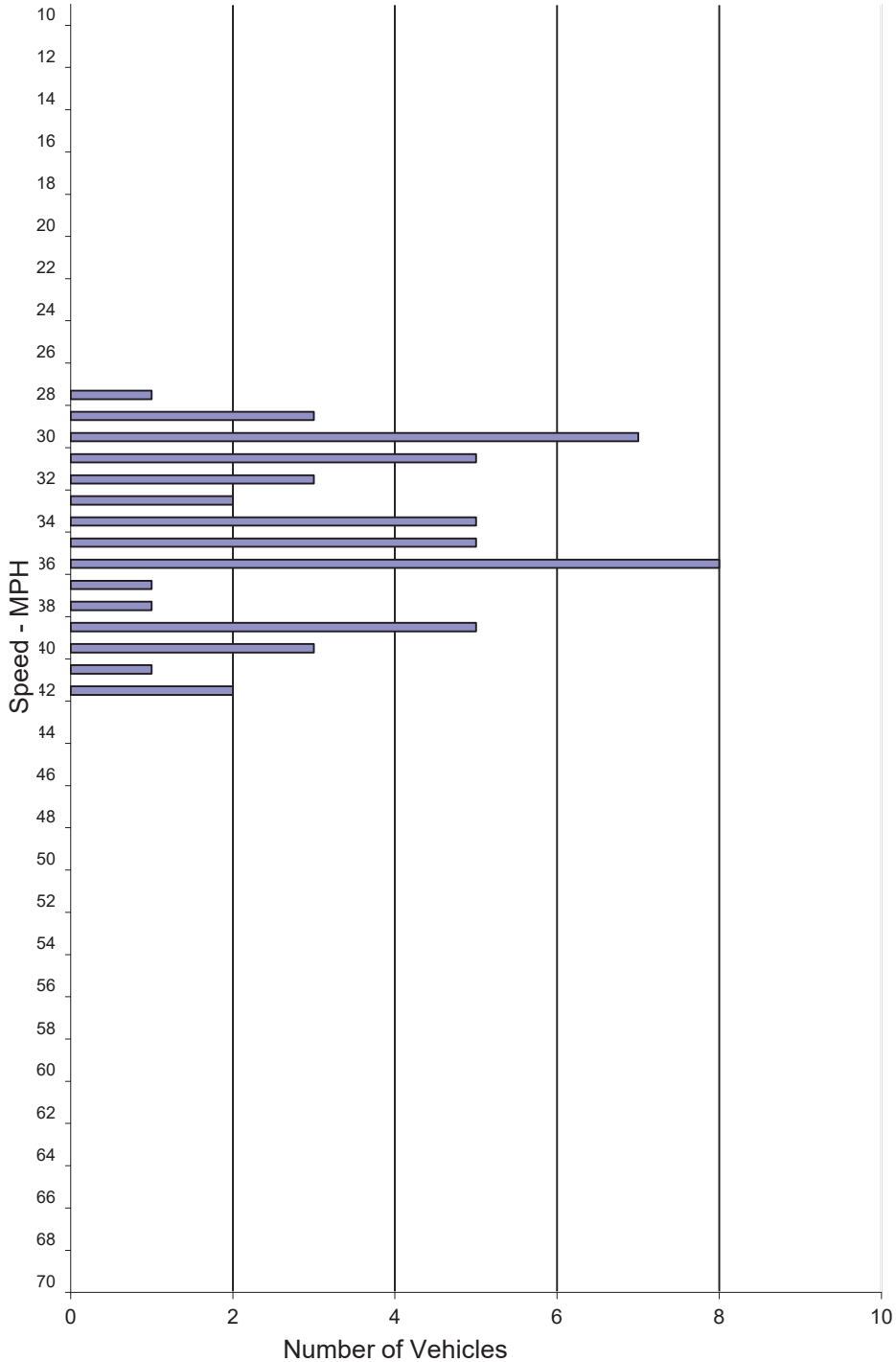
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** Descanso Ave E/O Las Flores Dr
TIME: 09:00-10:25 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-021

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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14	
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22	
23	
24	
25	
26	
27	
28	1
29	3
30	7
31	5
32	3
33	2
34	5
35	5
36	8
37	1
38	1
39	5
40	3
41	1
42	2
43	
44	
45	
46	
47	
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51	
52	
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54	
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63	
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65	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	52	28 - 42	34 mph	39 mph	30 - 39	42	81%	7% / 4	12% / 6

Spot Speed Study

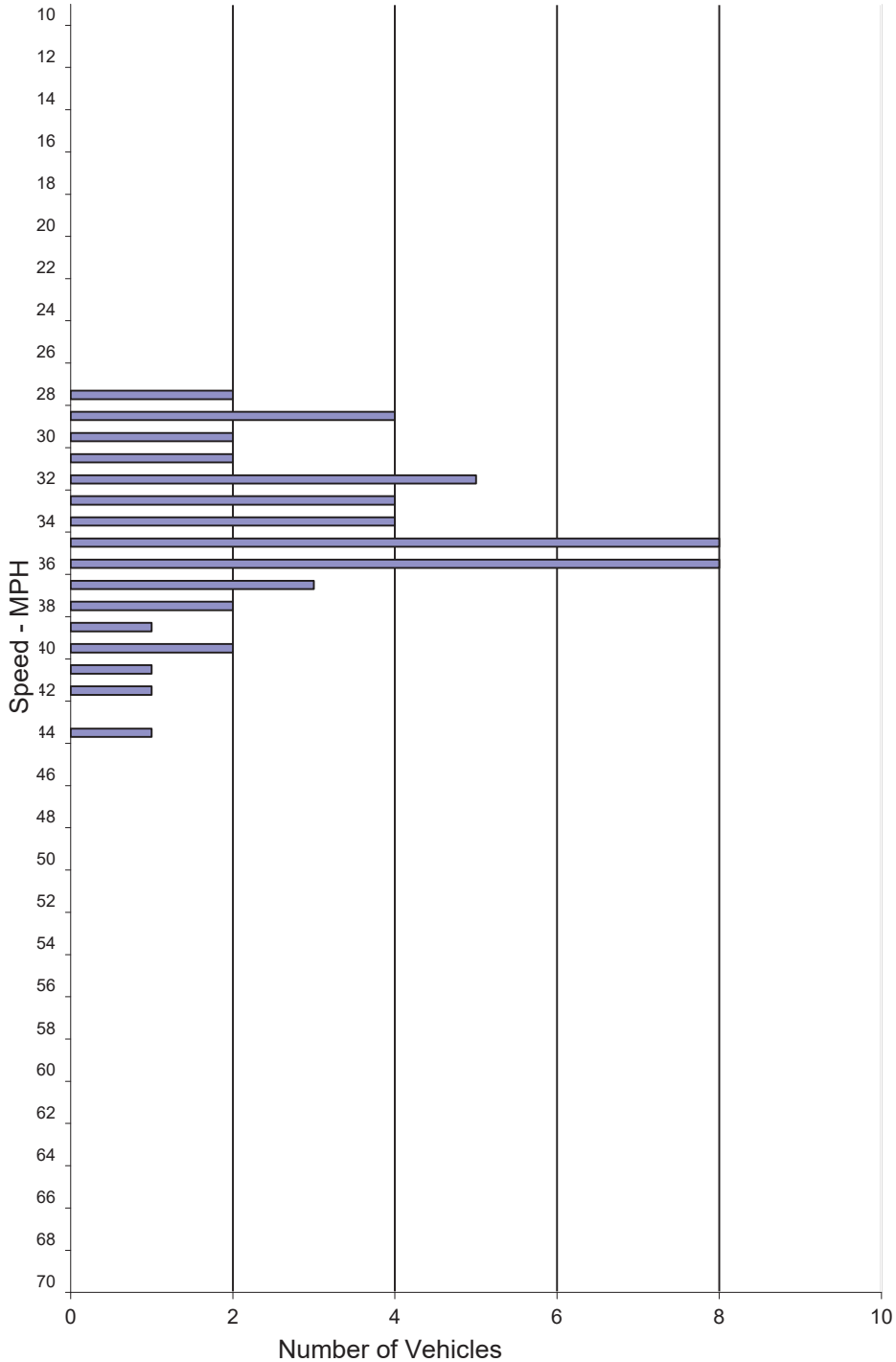
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** Descanso Ave E/O Las Flores Dr
TIME: 09:00-10:25 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-021

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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23	
24	
25	
26	
27	
28	2
29	4
30	2
31	2
32	5
33	4
34	4
35	8
36	8
37	3
38	2
39	1
40	2
41	1
42	1
43	
44	1
45	
46	
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63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	28 - 44	35 mph	38 mph	28 - 37	42	84%	0% / 0	16% / 8

Spot Speed Study

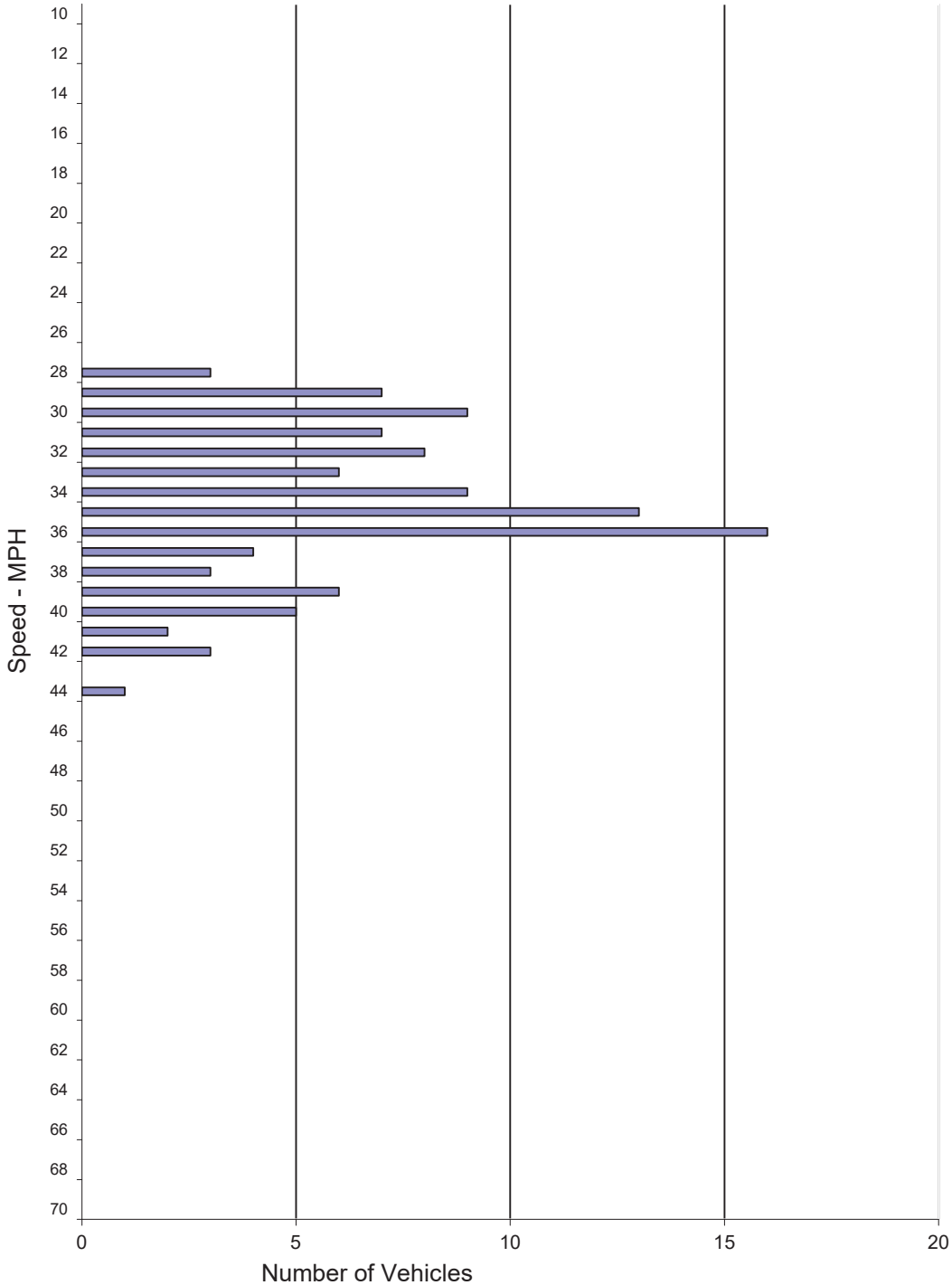
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** Descanso Ave E/O Las Flores Dr
TIME: 09:00-10:25 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-021

Eastbound & Westbound Spot Speeds

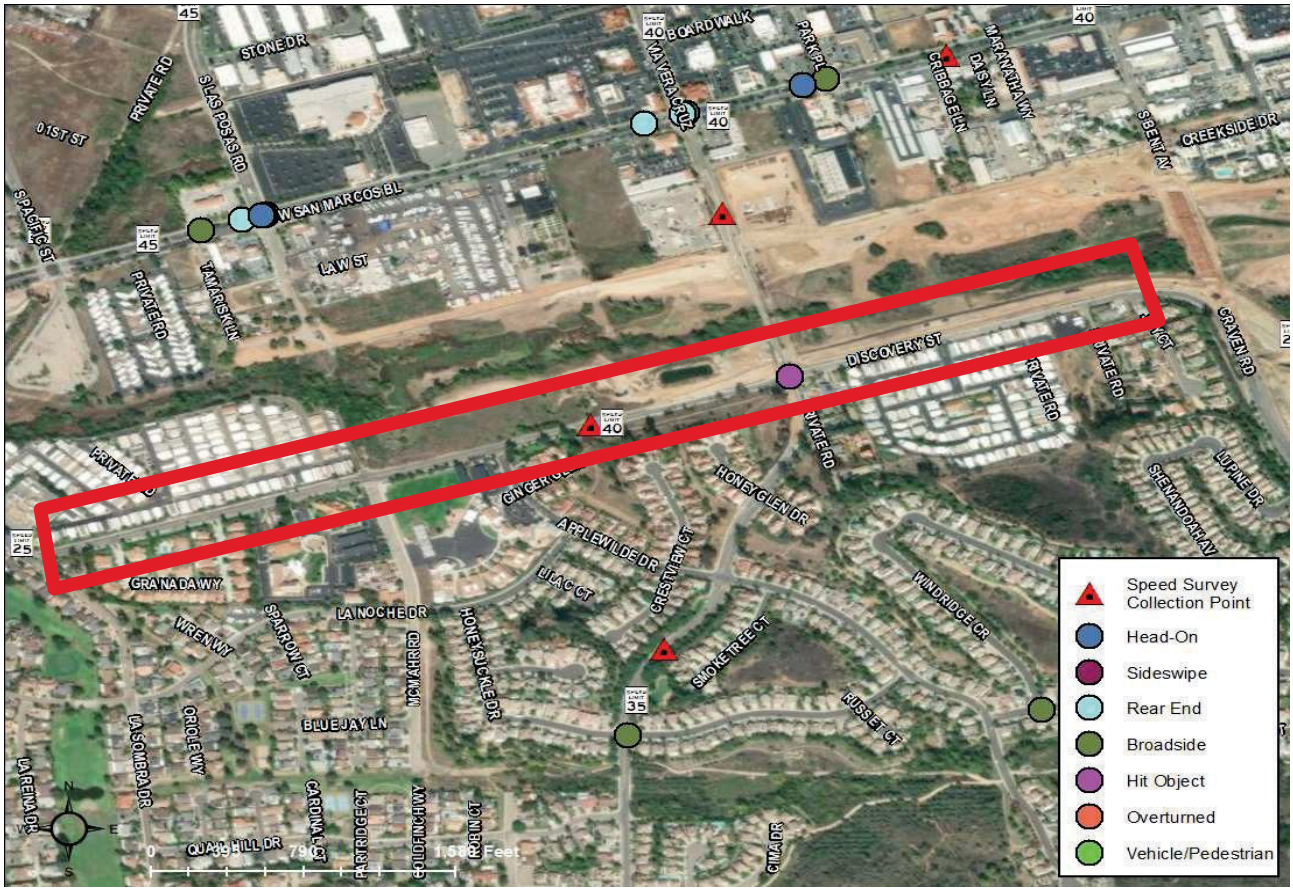
Speed mph	ALL Vehicles
<=10	
11	
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21	
22	
23	
24	
25	
26	
27	
28	3
29	7
30	9
31	7
32	8
33	6
34	9
35	13
36	16
37	4
38	3
39	6
40	5
41	2
42	3
43	
44	1
45	
46	
47	
48	
49	
50	
51	
52	
53	
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55	
56	
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58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	102	28 - 44	35 mph	39 mph	28 - 37	82	80%	0% / 0	20% / 20

Roadway	Discovery Street		
Segment	La Sombra Dr to Craven Rd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	41
Roadway Width (feet)	44	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.2/1.33
Median	Center Left Turn Lane / Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

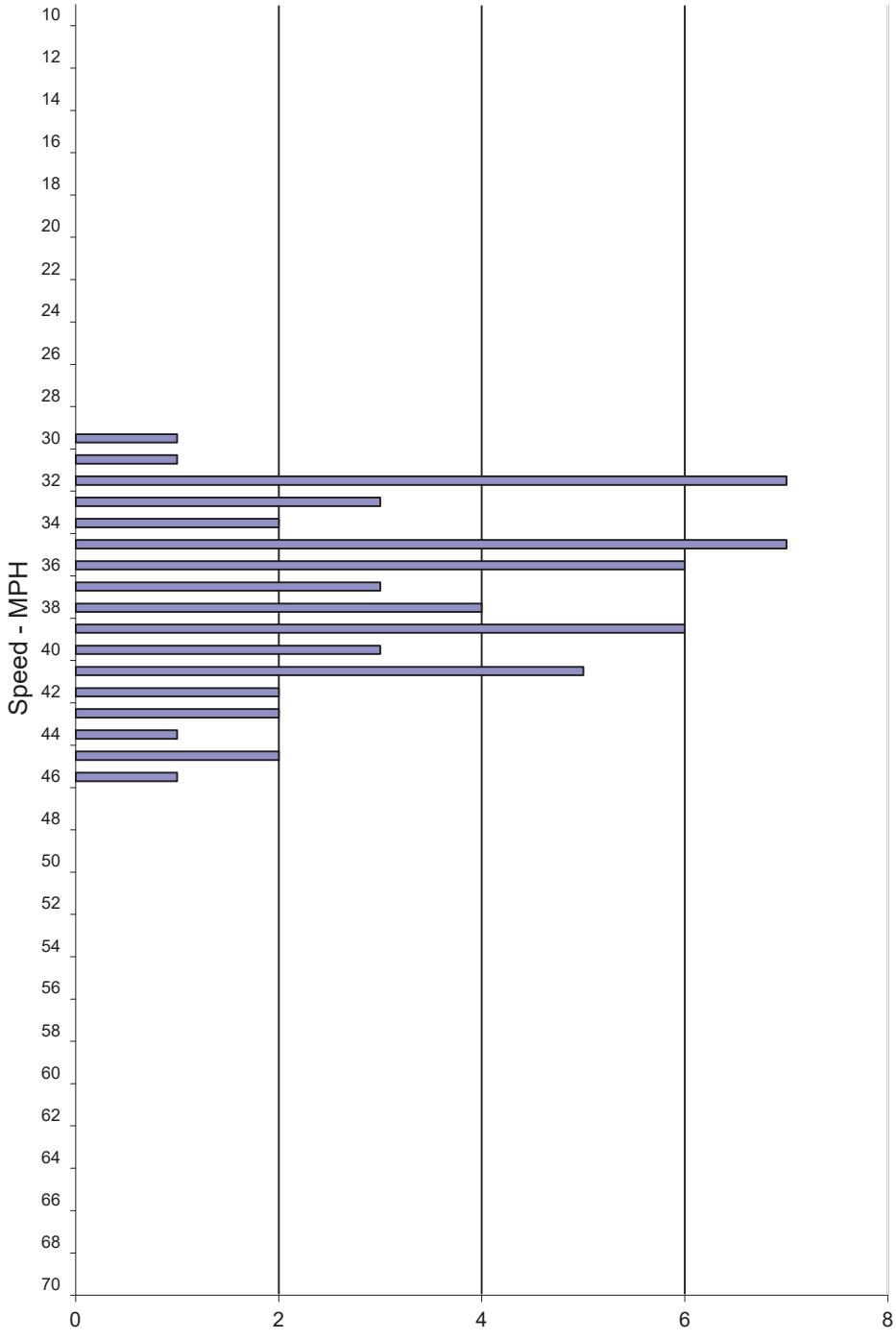
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Discovery St E/O Applewilde Dr
TIME: 11:08-11:59 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-019

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	1
31	1
32	7
33	3
34	2
35	7
36	6
37	3
38	4
39	6
40	3
41	5
42	2
43	2
44	1
45	2
46	1
47	
48	
49	
50	
51	
52	
53	
54	
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57	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	56	30 - 46	37 mph	41 mph	32 - 41	46	82%	3% / 2	15% / 8

Spot Speed Study

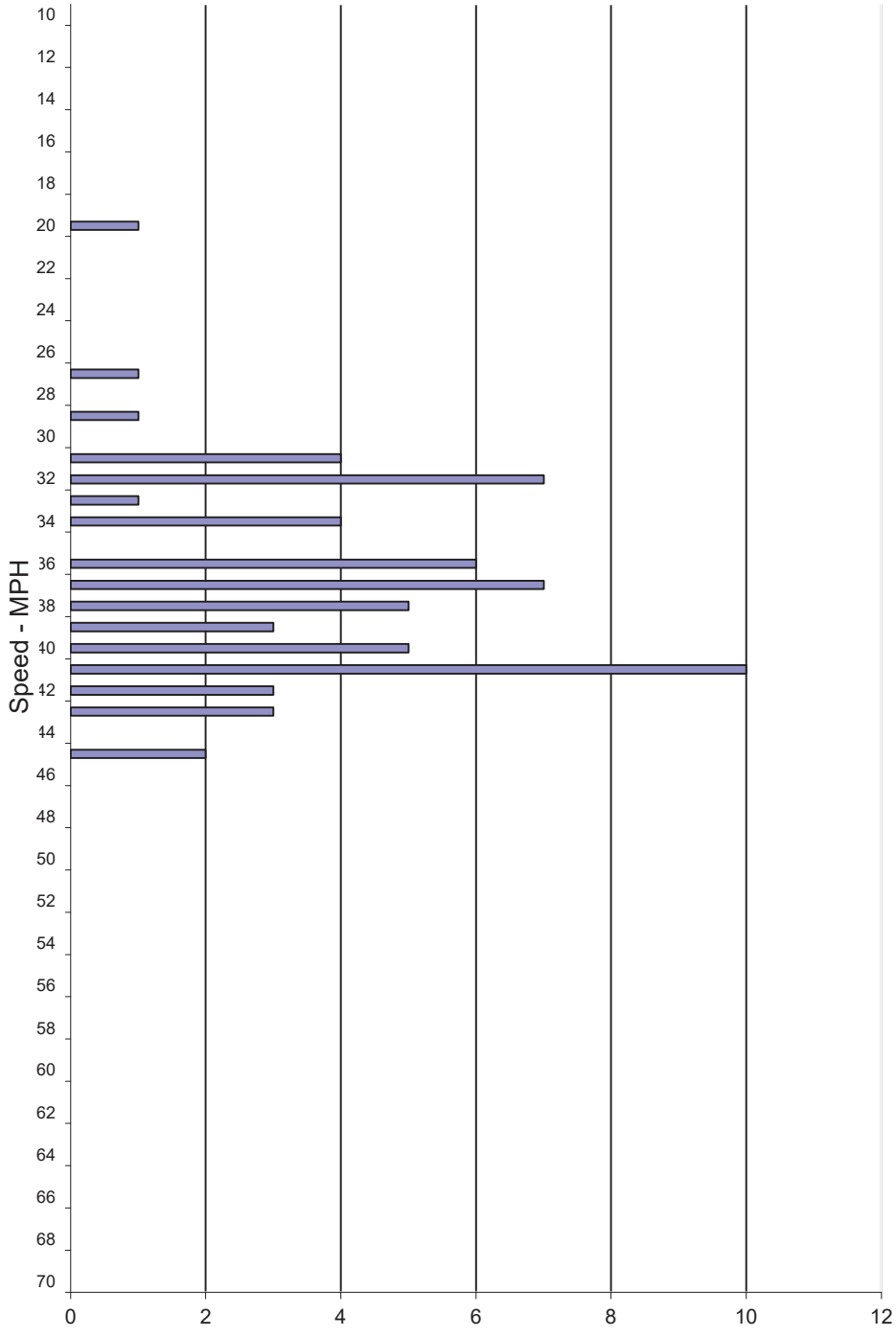
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Discovery St E/O Applewilde Dr
TIME: 11:08-11:59 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-019

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	
22	
23	
24	
25	
26	
27	1
28	
29	1
30	
31	4
32	7
33	1
34	4
35	
36	6
37	7
38	5
39	3
40	5
41	10
42	3
43	3
44	
45	2
46	
47	
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51	
52	
53	
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56	
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61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	63	20 - 45	37 mph	41 mph	32 - 41	48	76%	11% / 7	13% / 8

Spot Speed Study

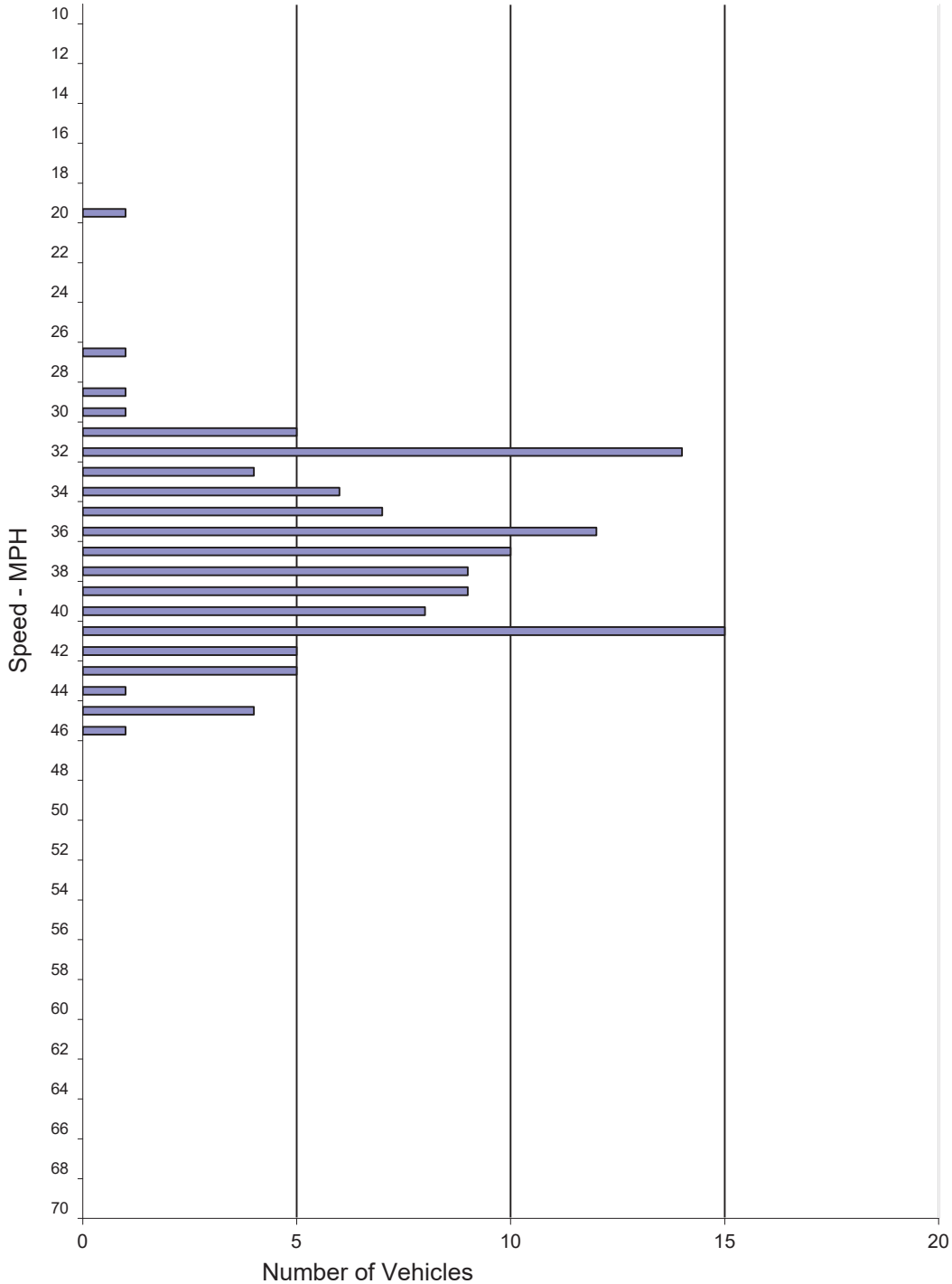
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Discovery St E/O Applewilde Dr
TIME: 11:08-11:59 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-019

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	
22	
23	
24	
25	
26	
27	1
28	
29	1
30	1
31	5
32	14
33	4
34	6
35	7
36	12
37	10
38	9
39	9
40	8
41	15
42	5
43	5
44	1
45	4
46	1
47	
48	
49	
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51	
52	
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60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	119	20 - 46	37 mph	41 mph	32 - 41	94	79%	7% / 9	14% / 16

Roadway	Double Peak Drive		
Segment	Double Peak Park Entrance to San Elijo Rd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	30
Bicycle Facilities	No	85th Percentile Speed	34
Roadway Width (feet)	36	Recommended Speed Limit	30
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	1.01/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Double Peak Drive **Segment:** Park Entrance to San Elijo Rd

Date/Time: 5/13/2024 9:15 AM - 12:20 PM **Direction:** North-South

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
40	XX	2%	100%
	XX	2%	98%
	XX	2%	96%
35	XXX	3%	94%
	XXXXXXXXXX	10%	91%
	XX	2%	81%
	XXXXXX	6%	79%
	XXXXXXXX	8%	73%
30	XXX	3%	65%
	XXXXXXXX	8%	62%
	XXXXX	5%	54%
	XXXXXXXX	8%	49%
	XXXXXXXX	8%	41%
25	XXXXXX	6%	33%
	XXXXXX	6%	27%
	XXXXX	5%	21%
	XXXXXX	6%	16%
	XXX	3%	10%
20	XXX	3%	7%
	XXX	3%	4%
	X	1%	1%
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	28 mph	34 mph	25-34 mph	64	64%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Double Peak Drive **Segment:** Park Entrance to San Elijo Rd

Date/Time: 5/13/2024 9:15 AM - 12:20 PM **Direction:** North

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
40			
35	XX	4%	100%
	XXXX	8%	96%
	X	2%	88%
	XXX	6%	86%
	XXXX	8%	80%
30	XX	4%	72%
	XXXX	8%	68%
	XX	4%	60%
	XXXX	8%	56%
	XXX	6%	48%
25	XXX	6%	42%
	XXXXX	10%	36%
	XXX	6%	26%
	XXXX	8%	20%
	X	2%	12%
20	XX	4%	10%
	XX	4%	6%
	X	2%	2%
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	27 mph	32 mph	22-31 mph	34	68%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Double Peak Drive **Segment:** Park Entrance to San Elijo Rd

Date/Time: 5/13/2024 9:15 AM - 12:20 PM **Direction:** South

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
40	X X	4%	100%
	X X	4%	96%
	X X	4%	92%
35	X	2%	88%
	X X X X X X	12%	86%
	X	2%	74%
	X X X	6%	72%
	X X X X	8%	66%
30	X	2%	58%
	X X X X	8%	56%
	X X X	6%	48%
	X X X X	8%	42%
	X X X X X	10%	34%
25	X X X	6%	24%
	X	2%	18%
	X X	4%	16%
	X X	4%	12%
	X X	4%	8%
20	X	2%	4%
	X	2%	2%
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	29 mph	34 mph	25-34 mph	34	68%

Roadway	Elfin Forest Road		
Segment	Windemere Dr to Archer Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	30
Bicycle Facilities	No	85th Percentile Speed	37
Roadway Width (feet)	42	Recommended Speed Limit	30
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0/1.33
Median	Raised	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

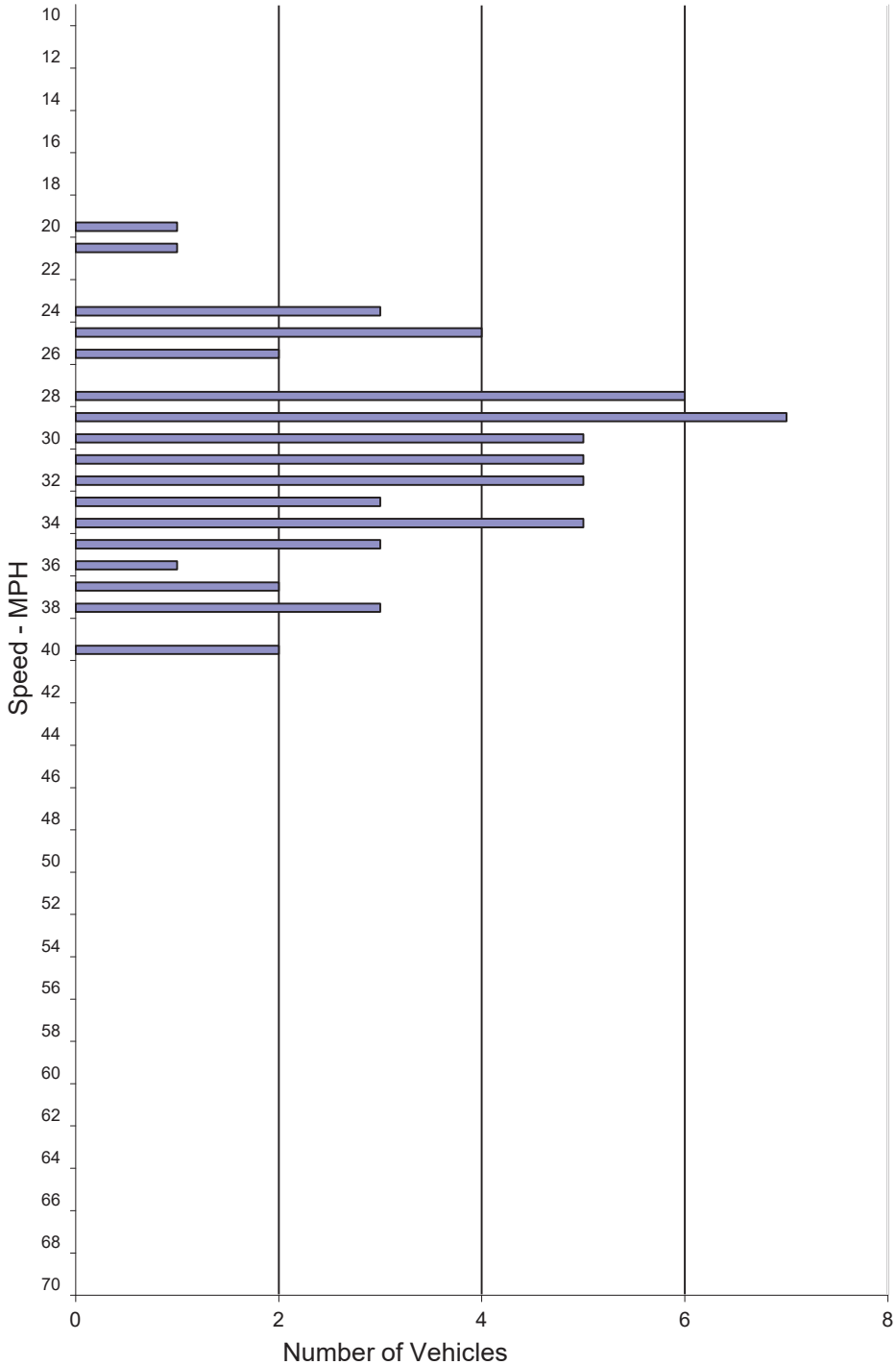
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Elfin Forest Rd W/O Archer Rd
TIME: 09:08-10:13 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-051

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	1
22	
23	
24	3
25	4
26	2
27	
28	6
29	7
30	5
31	5
32	5
33	3
34	5
35	3
36	1
37	2
38	3
39	
40	2
41	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	58	20 - 40	30 mph	35 mph	25 - 34	42	72%	8% / 5	19% / 11

Spot Speed Study

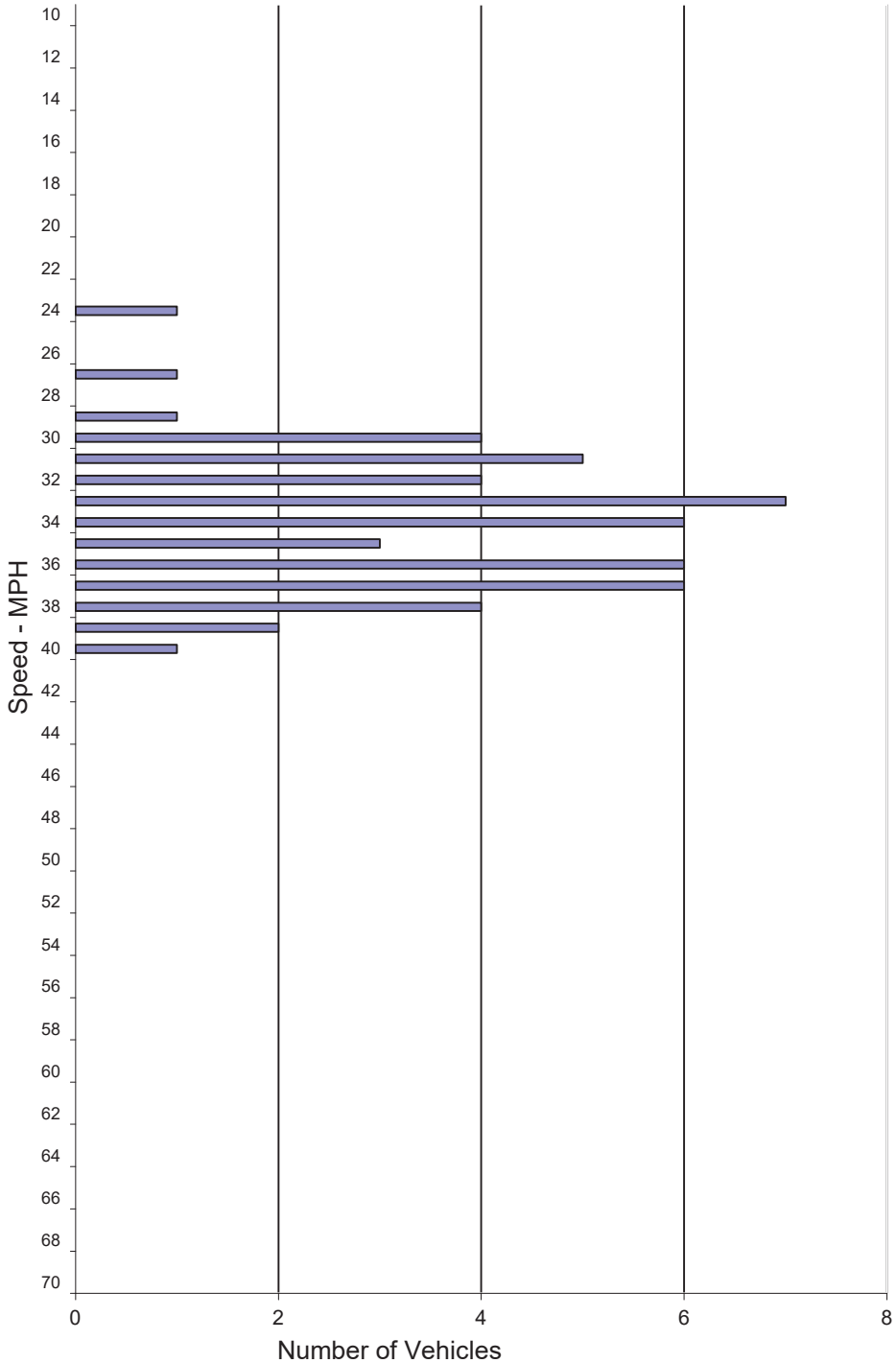
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Elfin Forest Rd W/O Archer Rd
TIME: 09:08-10:13 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-051

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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24	1
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26	
27	1
28	
29	1
30	4
31	5
32	4
33	7
34	6
35	3
36	6
37	6
38	4
39	2
40	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	51	24 - 40	34 mph	37 mph	30 - 39	47	92%	5% / 3	2% / 1

Spot Speed Study

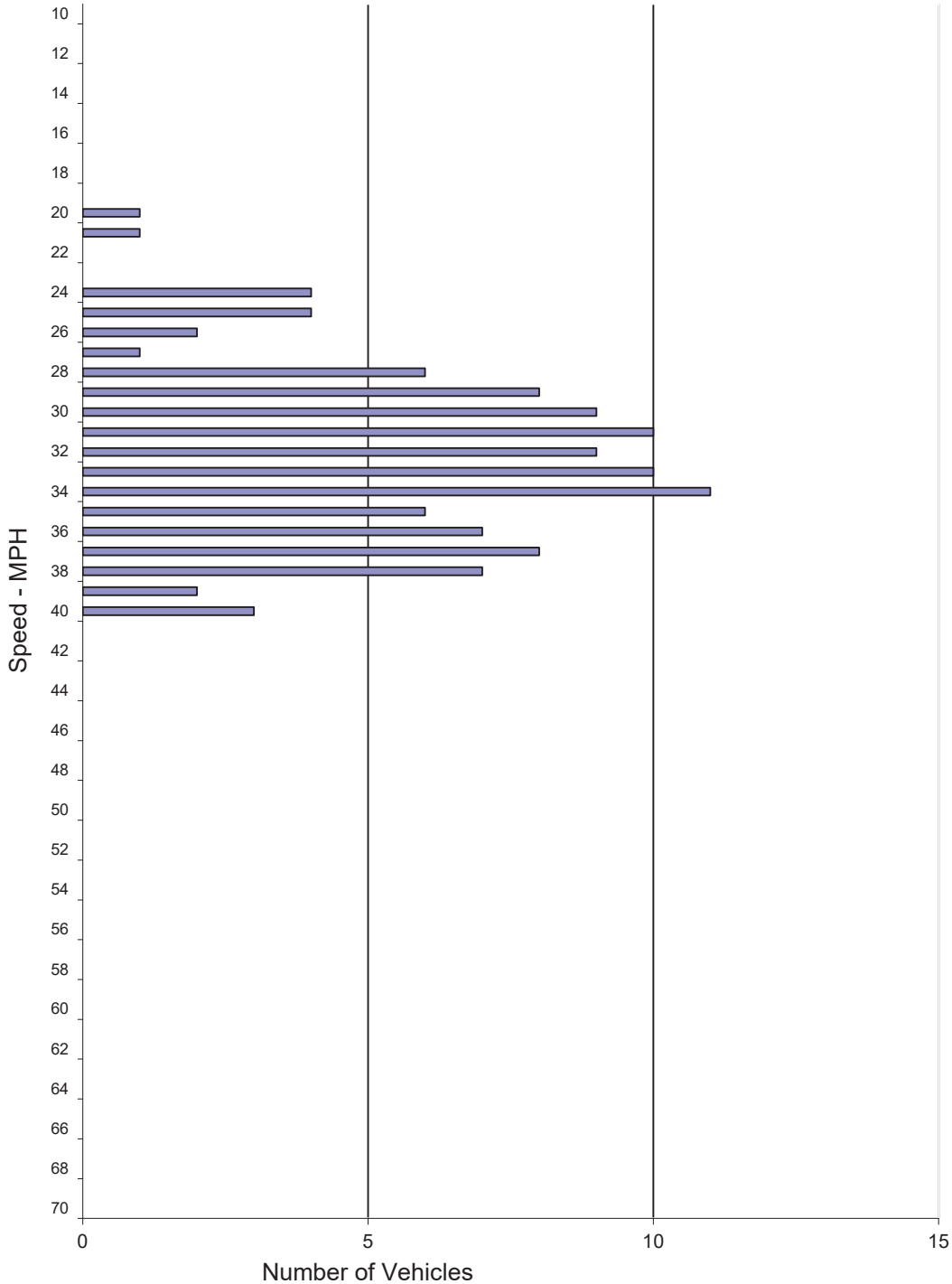
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Elfin Forest Rd W/O Archer Rd
TIME: 09:08-10:13 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-051

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
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14	
15	
16	
17	
18	
19	
20	1
21	1
22	
23	
24	4
25	4
26	2
27	1
28	6
29	8
30	9
31	10
32	9
33	10
34	11
35	6
36	7
37	8
38	7
39	2
40	3
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	109	20 - 40	32 mph	37 mph	29 - 38	85	78%	17% / 19	5% / 5

Roadway	Elfin Forest Road		
Segment	Calistoga Wy to Southern City Limits		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	Class II	85th Percentile Speed	40
Roadway Width (feet)	68	Recommended Speed Limit	35
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0/0.96
Median	Raised	2019, District 11, Urban, Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

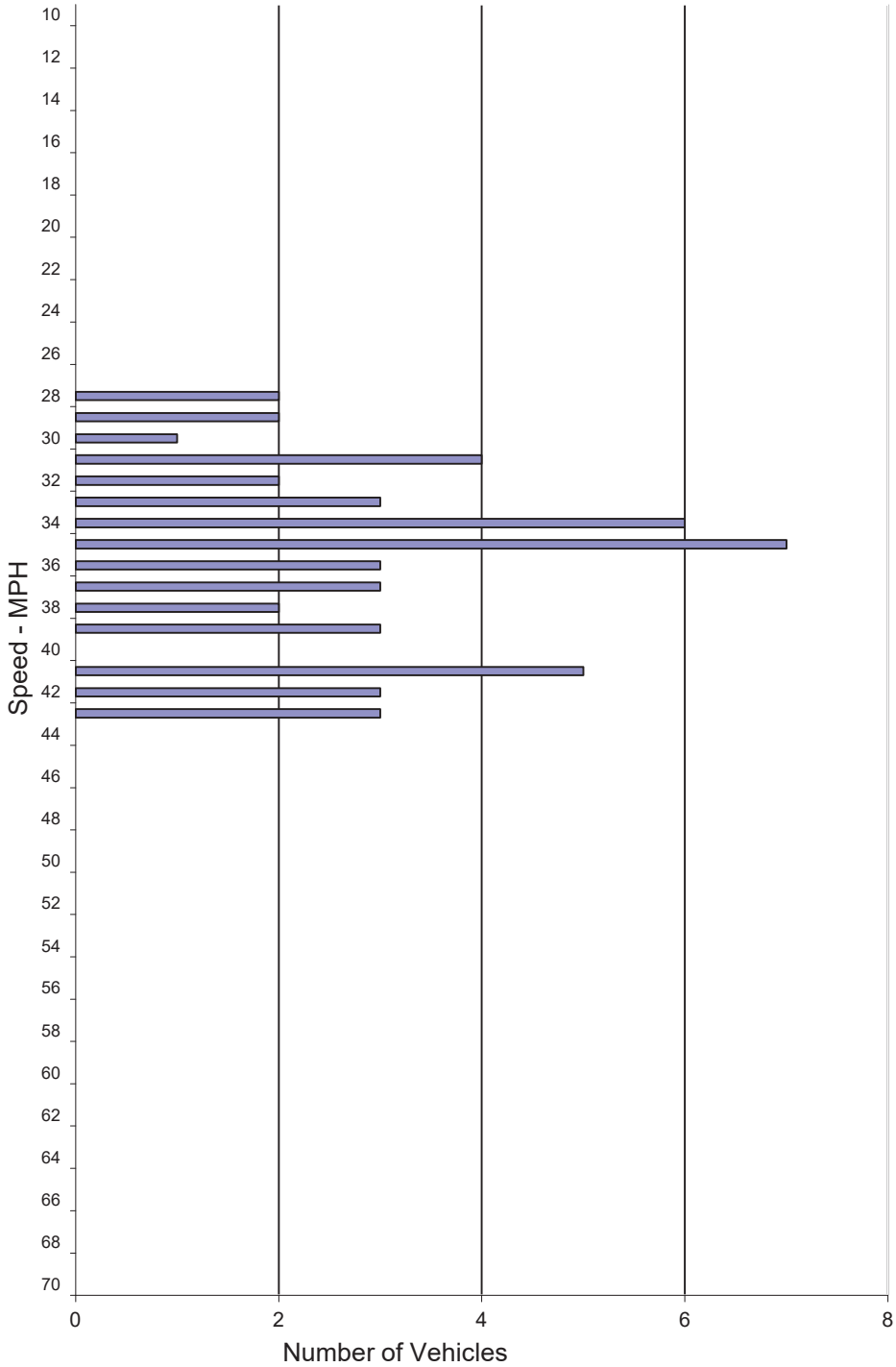
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Elfin Forest Rd S/O Copper Creek
TIME: 10:38-11:19 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-052

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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23	
24	
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26	
27	
28	2
29	2
30	1
31	4
32	2
33	3
34	6
35	7
36	3
37	3
38	2
39	3
40	
41	5
42	3
43	3
44	
45	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	49	28 - 43	35 mph	41 mph	33 - 42	35	71%	22% / 11	7% / 3

Spot Speed Study

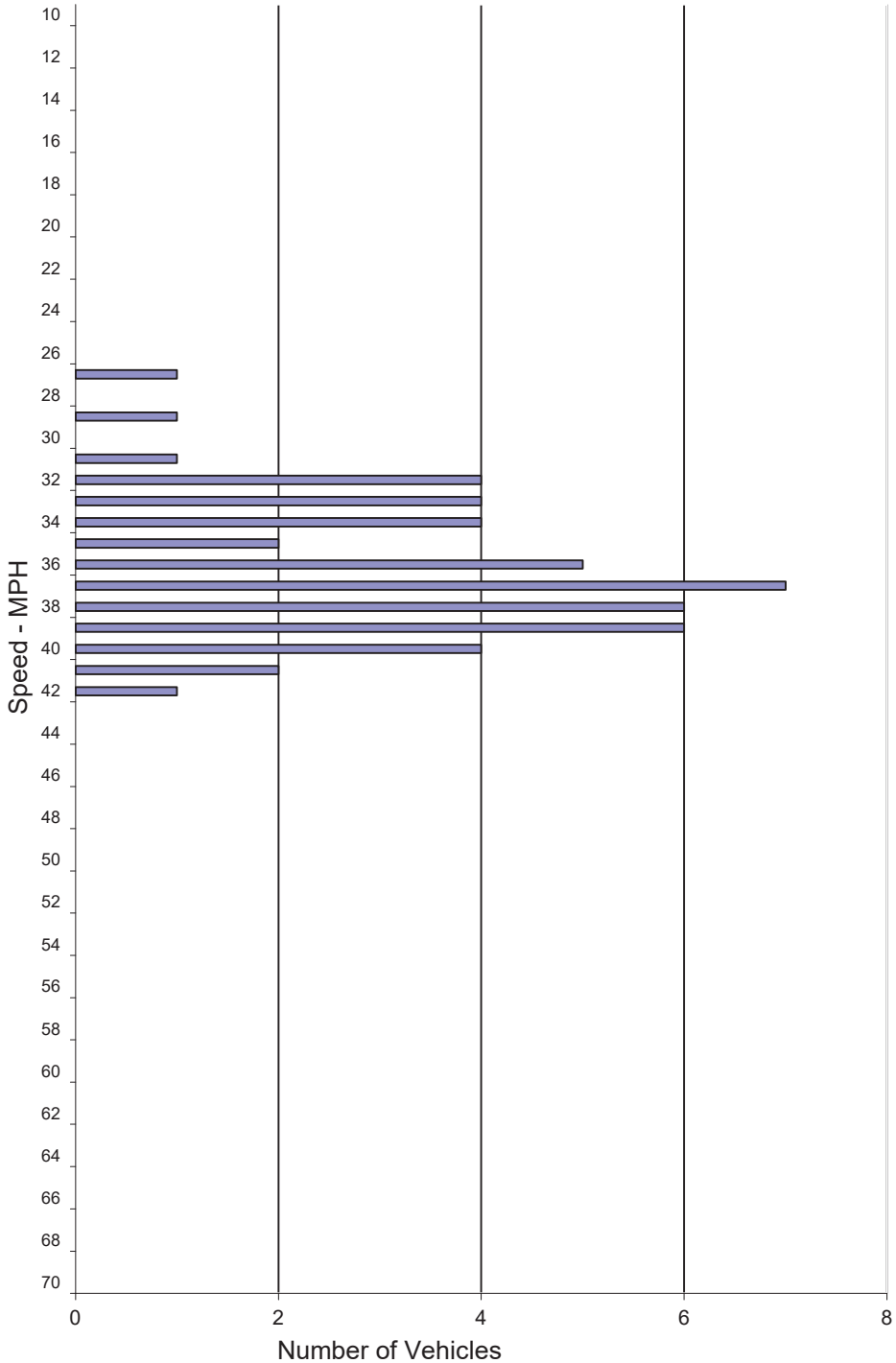
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Elfin Forest Rd S/O Copper Creek
TIME: 10:38-11:19 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-052

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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24	
25	
26	
27	1
28	
29	1
30	
31	1
32	4
33	4
34	4
35	2
36	5
37	7
38	6
39	6
40	4
41	2
42	1
43	
44	
45	
46	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	48	27 - 42	37 mph	39 mph	32 - 41	44	92%	6% / 3	3% / 1

Spot Speed Study

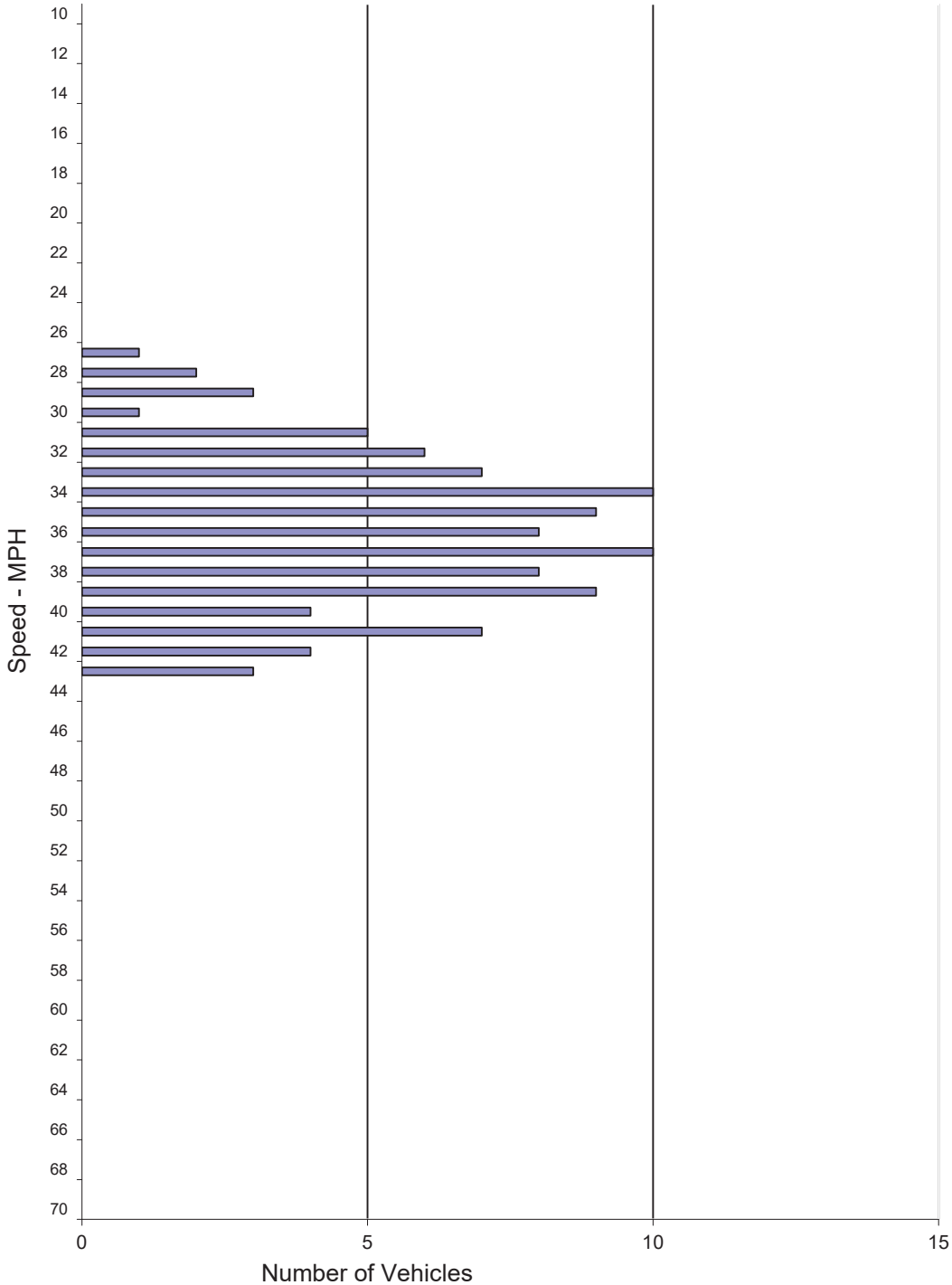
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Elfin Forest Rd S/O Copper Creek
TIME: 10:38-11:19 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-052

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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23	
24	
25	
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27	1
28	2
29	3
30	1
31	5
32	6
33	7
34	10
35	9
36	8
37	10
38	8
39	9
40	4
41	7
42	4
43	3
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68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	97	27 - 43	36 mph	40 mph	32 - 41	78	80%	12% / 12	8% / 7

Roadway	Grand Avenue		
Segment	Las Flores Dr to Rancho Santa Fe Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	30
Bicycle Facilities	No	85th Percentile Speed	34
Roadway Width (feet)	48	Recommended Speed Limit	30
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.84/1.33
Median	Center Left Turn Lane	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

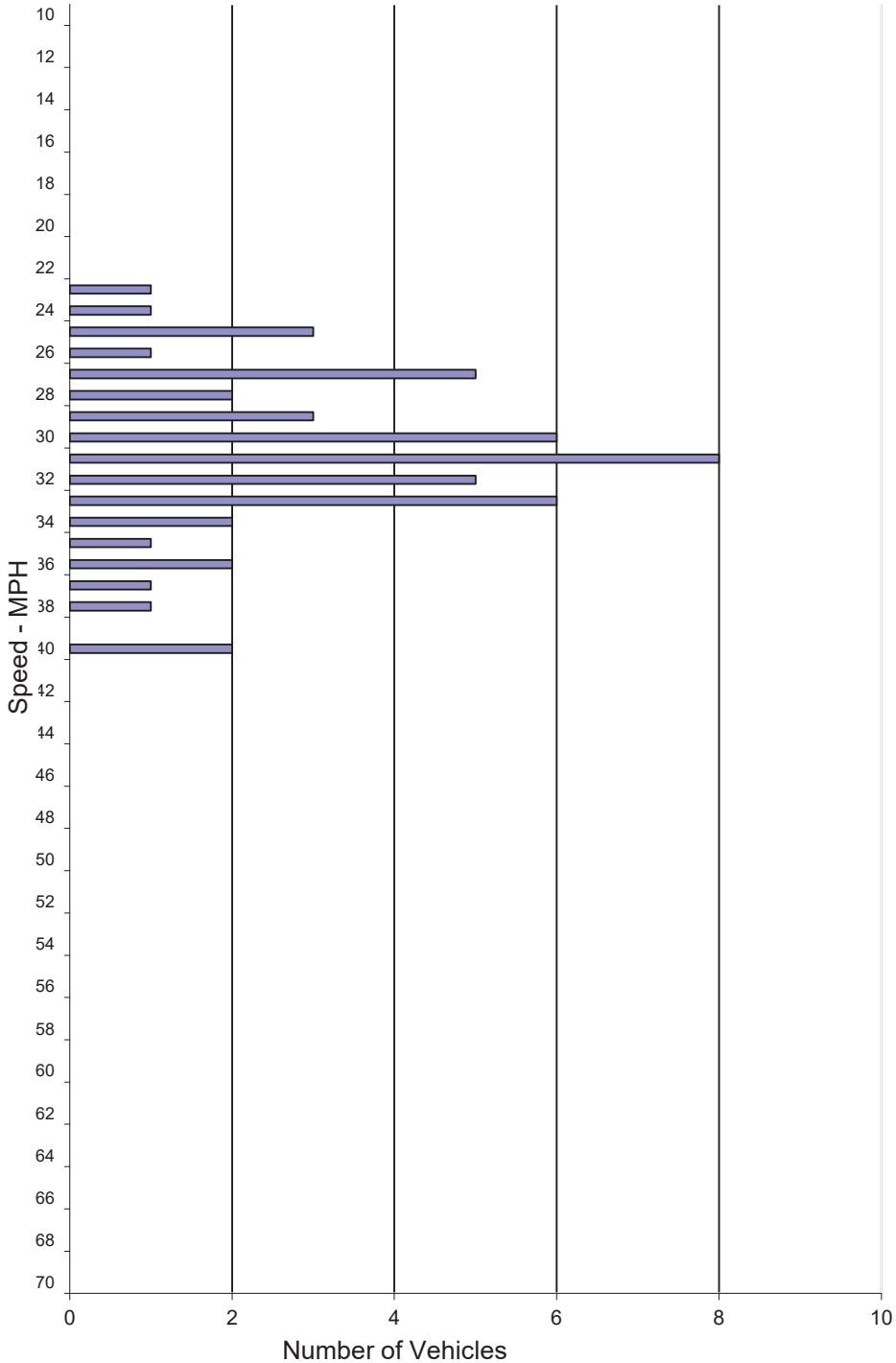
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** Grand Ave E/O Las Flores Dr
TIME: 14:15-15:30 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-042

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	1
25	3
26	1
27	5
28	2
29	3
30	6
31	8
32	5
33	6
34	2
35	1
36	2
37	1
38	1
39	
40	2
41	
42	
43	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	23 - 40	31 mph	34 mph	25 - 34	41	82%	4% / 2	14% / 7

Spot Speed Study

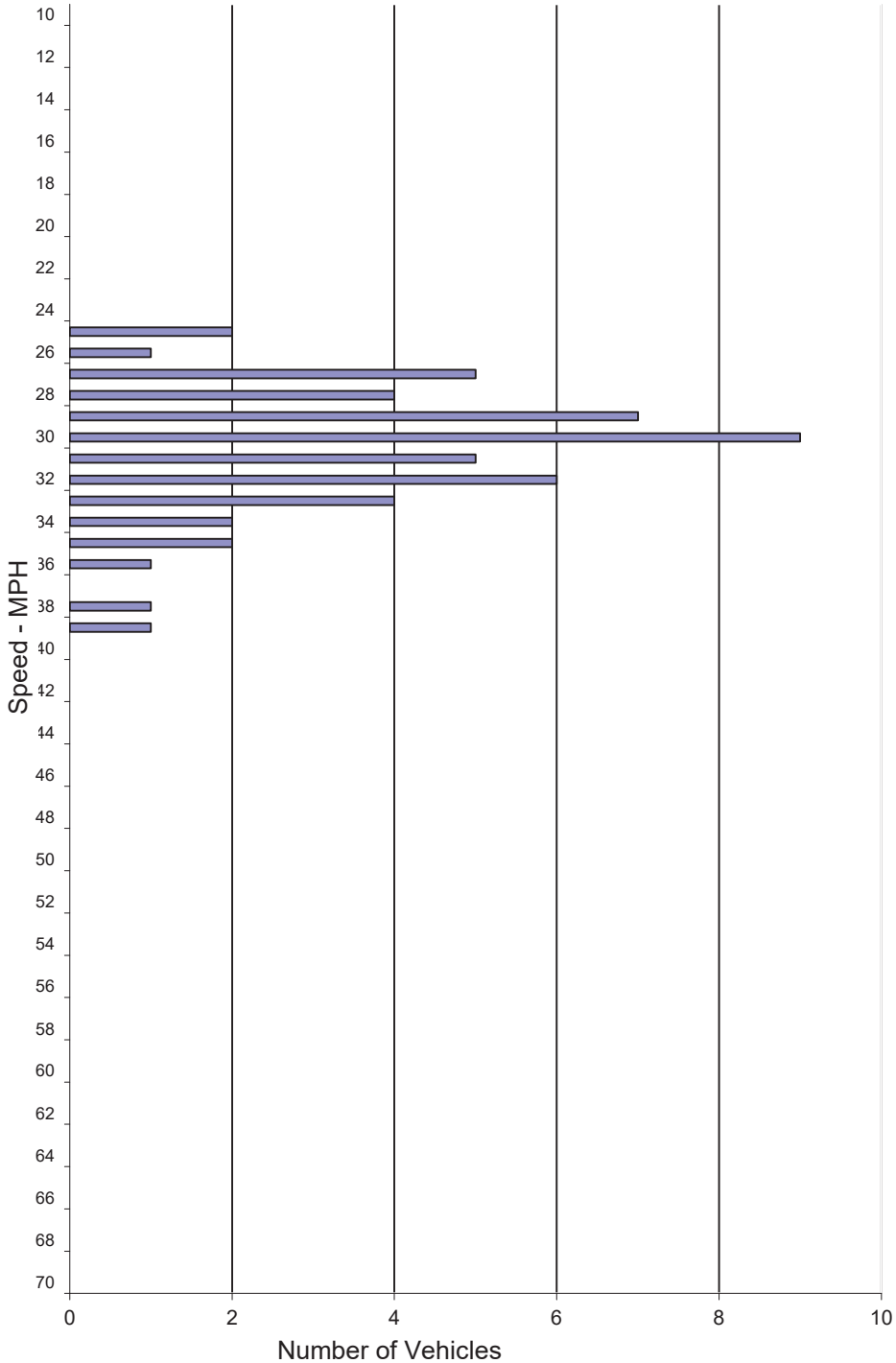
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** Grand Ave E/O Las Flores Dr
TIME: 14:15-15:30 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-042

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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25	2
26	1
27	5
28	4
29	7
30	9
31	5
32	6
33	4
34	2
35	2
36	1
37	
38	1
39	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	25 - 39	30 mph	33 mph	25 - 34	45	90%	0% / 0	10% / 5

Spot Speed Study

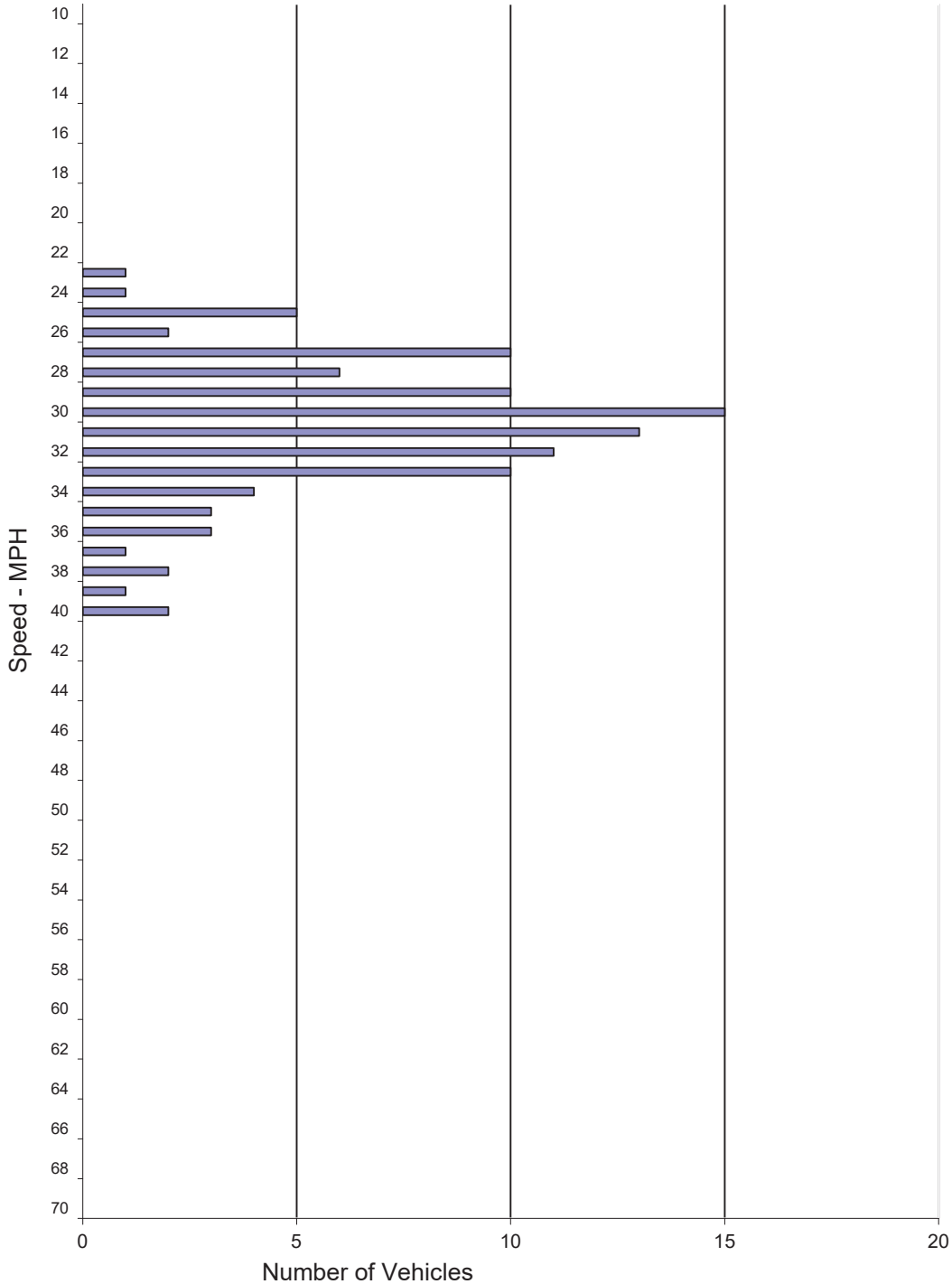
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** Grand Ave E/O Las Flores Dr
TIME: 14:15-15:30 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-042

Eastbound & Westbound Spot Speeds

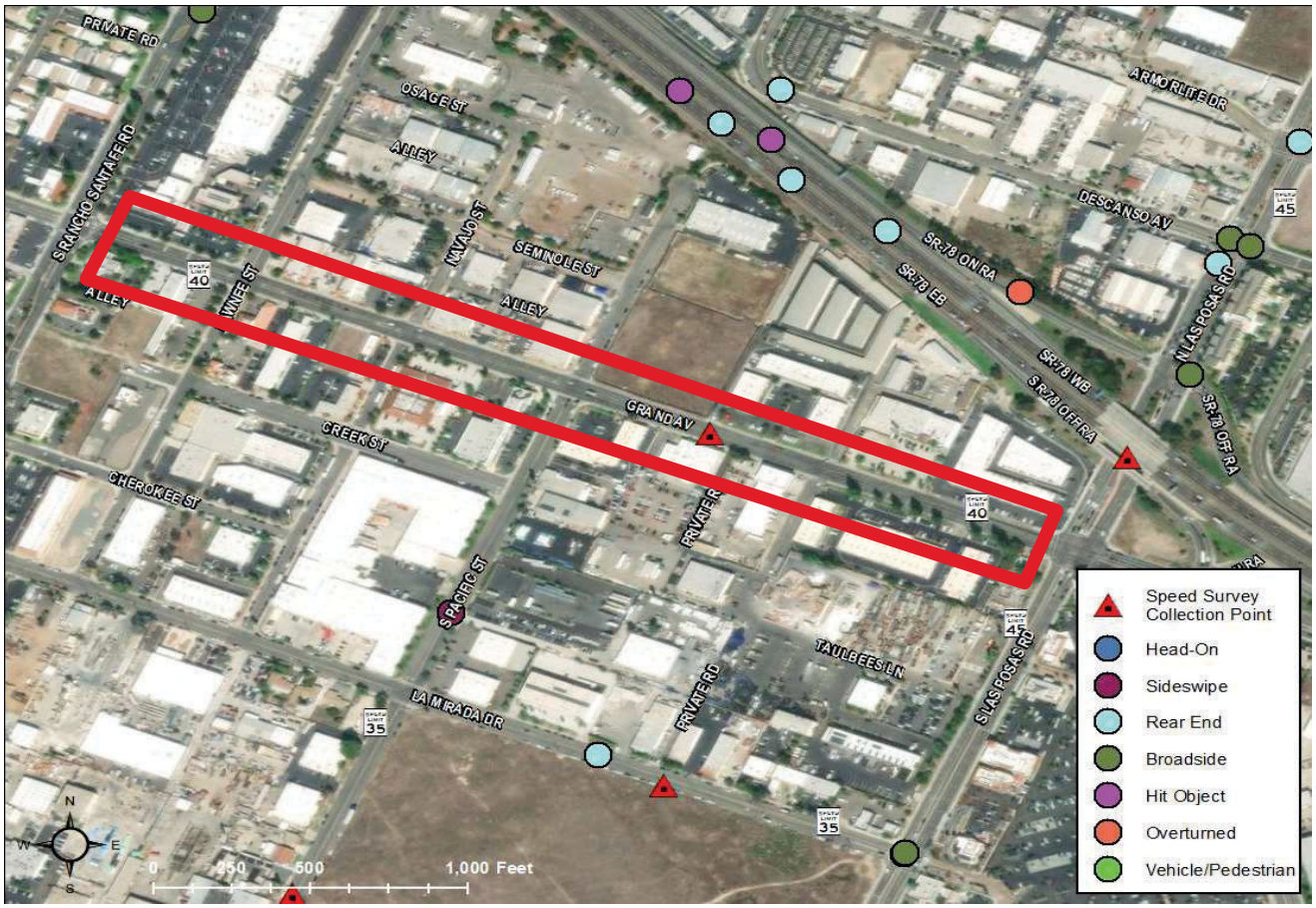
Speed mph	ALL Vehicles
<=10	
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22	
23	1
24	1
25	5
26	2
27	10
28	6
29	10
30	15
31	13
32	11
33	10
34	4
35	3
36	3
37	1
38	2
39	1
40	2
41	
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43	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	23 - 40	30 mph	34 mph	25 - 34	86	86%	2% / 2	12% / 12

Roadway	Grand Avenue		
Segment	Rancho Santa Fe Rd to Las Posas Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	45
Roadway Width (feet)	64	Recommended Speed Limit	40
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.32/0.84
Median	Center Left Turn Lane	2019, District 11, Urban, 4 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

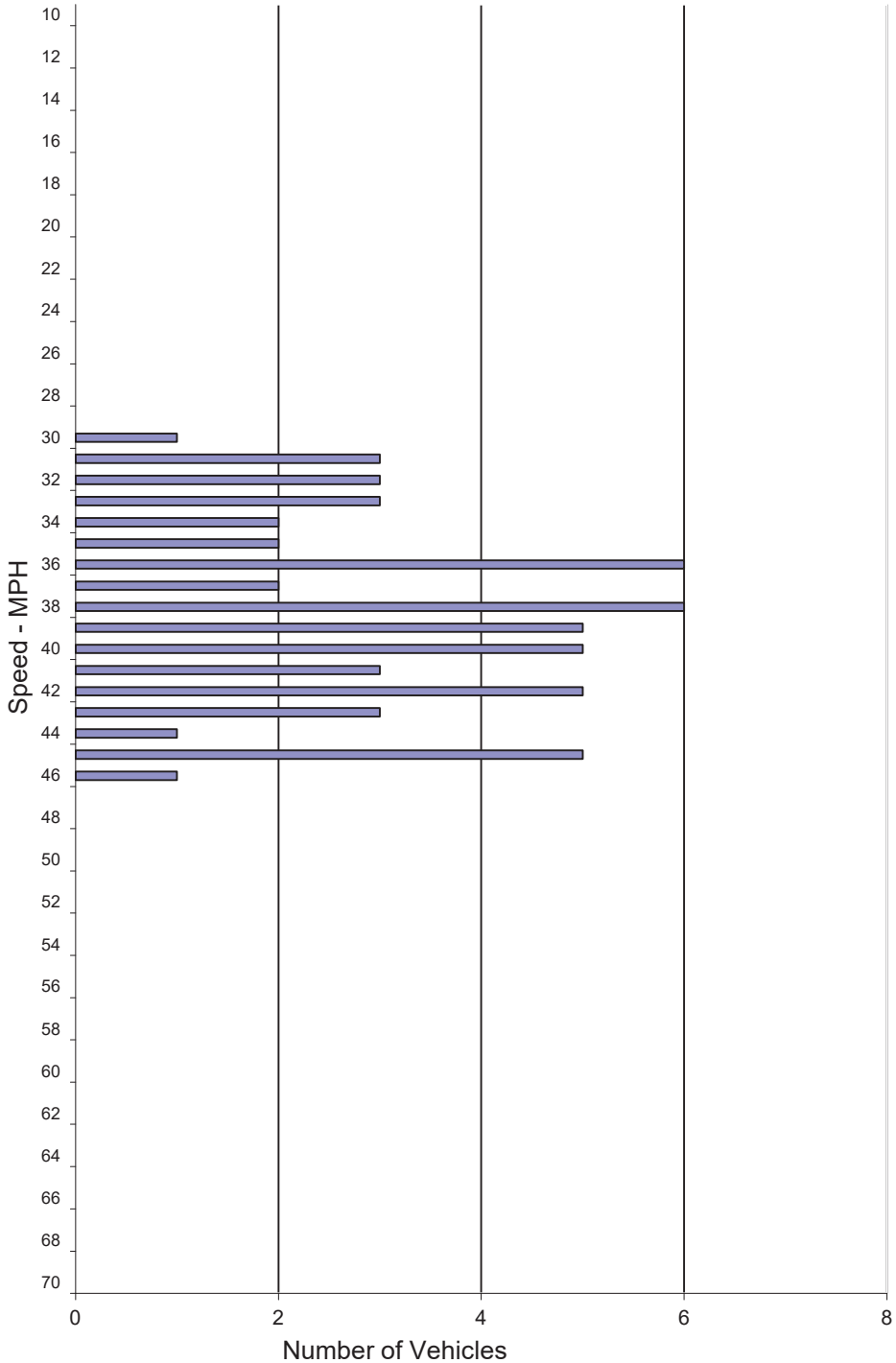
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/29/2023 **Location:** Grand Ave E/O S Pacific St
TIME: 09:35-10:28 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-059

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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30	1
31	3
32	3
33	3
34	2
35	2
36	6
37	2
38	6
39	5
40	5
41	3
42	5
43	3
44	1
45	5
46	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	56	30 - 46	38 mph	43 mph	36 - 45	41	73%	25% / 14	2% / 1

Spot Speed Study

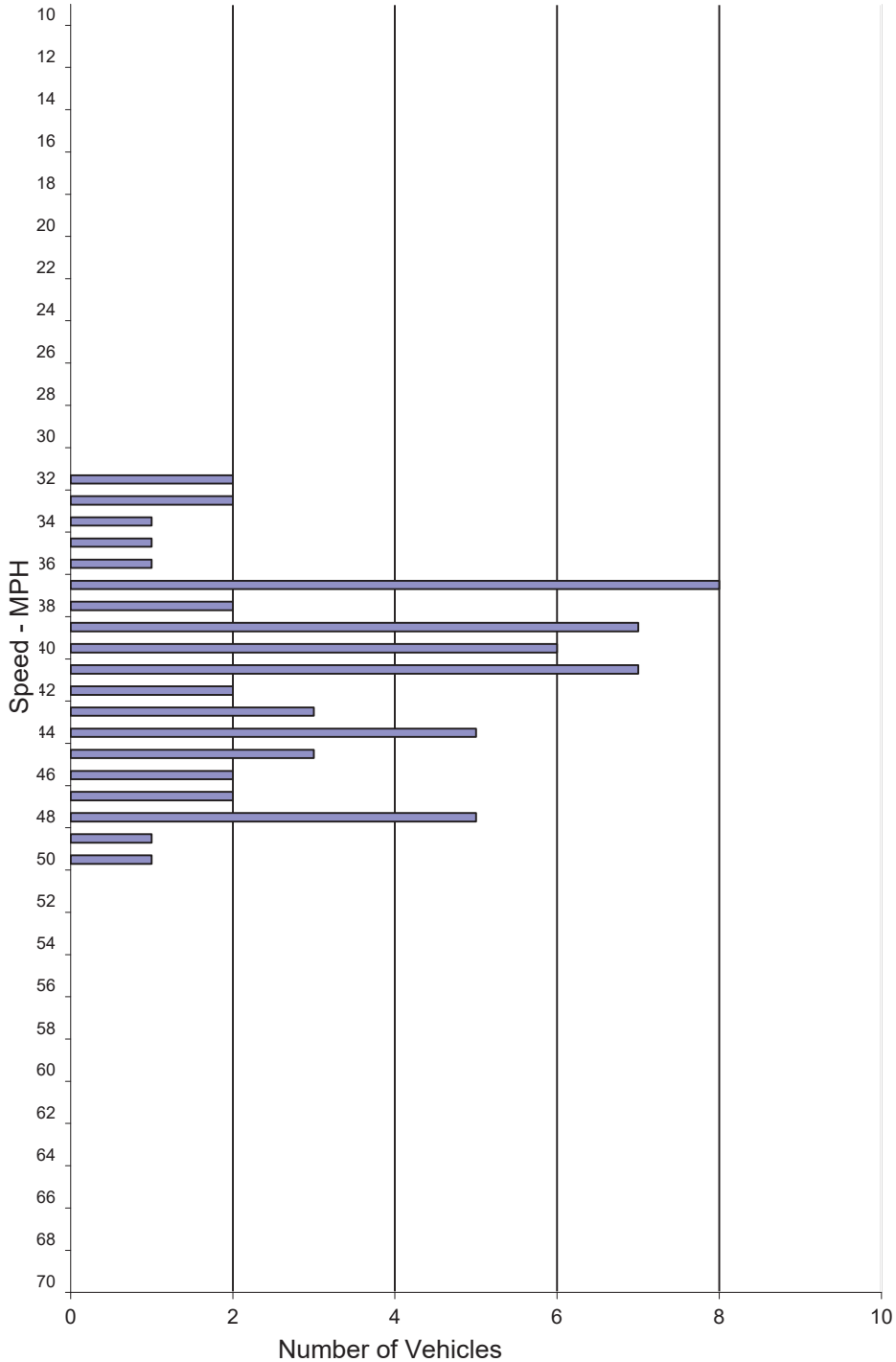
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/29/2023 **Location:** Grand Ave E/O S Pacific St
TIME: 09:35-10:28 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-059

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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32	2
33	2
34	1
35	1
36	1
37	8
38	2
39	7
40	6
41	7
42	2
43	3
44	5
45	3
46	2
47	2
48	5
49	1
50	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	61	32 - 50	41 mph	46 mph	37 - 46	45	74%	11% / 7	15% / 9

Spot Speed Study

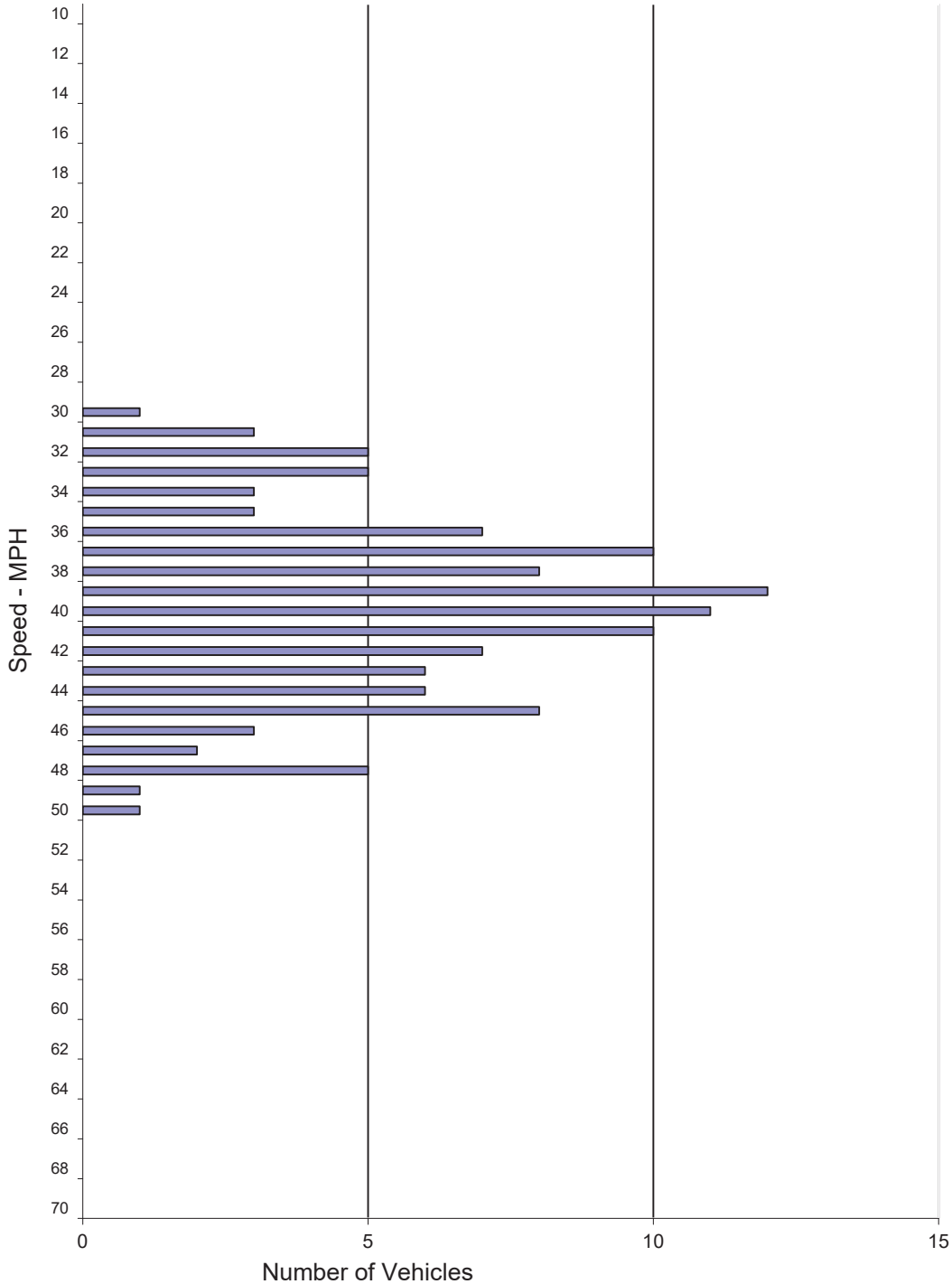
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/29/2023 **Location:** Grand Ave E/O S Pacific St
TIME: 09:35-10:28 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-059

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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30	1
31	3
32	5
33	5
34	3
35	3
36	7
37	10
38	8
39	12
40	11
41	10
42	7
43	6
44	6
45	8
46	3
47	2
48	5
49	1
50	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	117	30 - 50	40 mph	45 mph	36 - 45	85	73%	17% / 20	11% / 12

Roadway	Grand Avenue		
Segment	Las Posas Rd to San Marcos Blvd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	45
Bicycle Facilities	No	85th Percentile Speed	45
Roadway Width (feet)	58	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	1.42/0.84
Median	Center Left Turn Lane	2019, District 11, Urban, 4 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

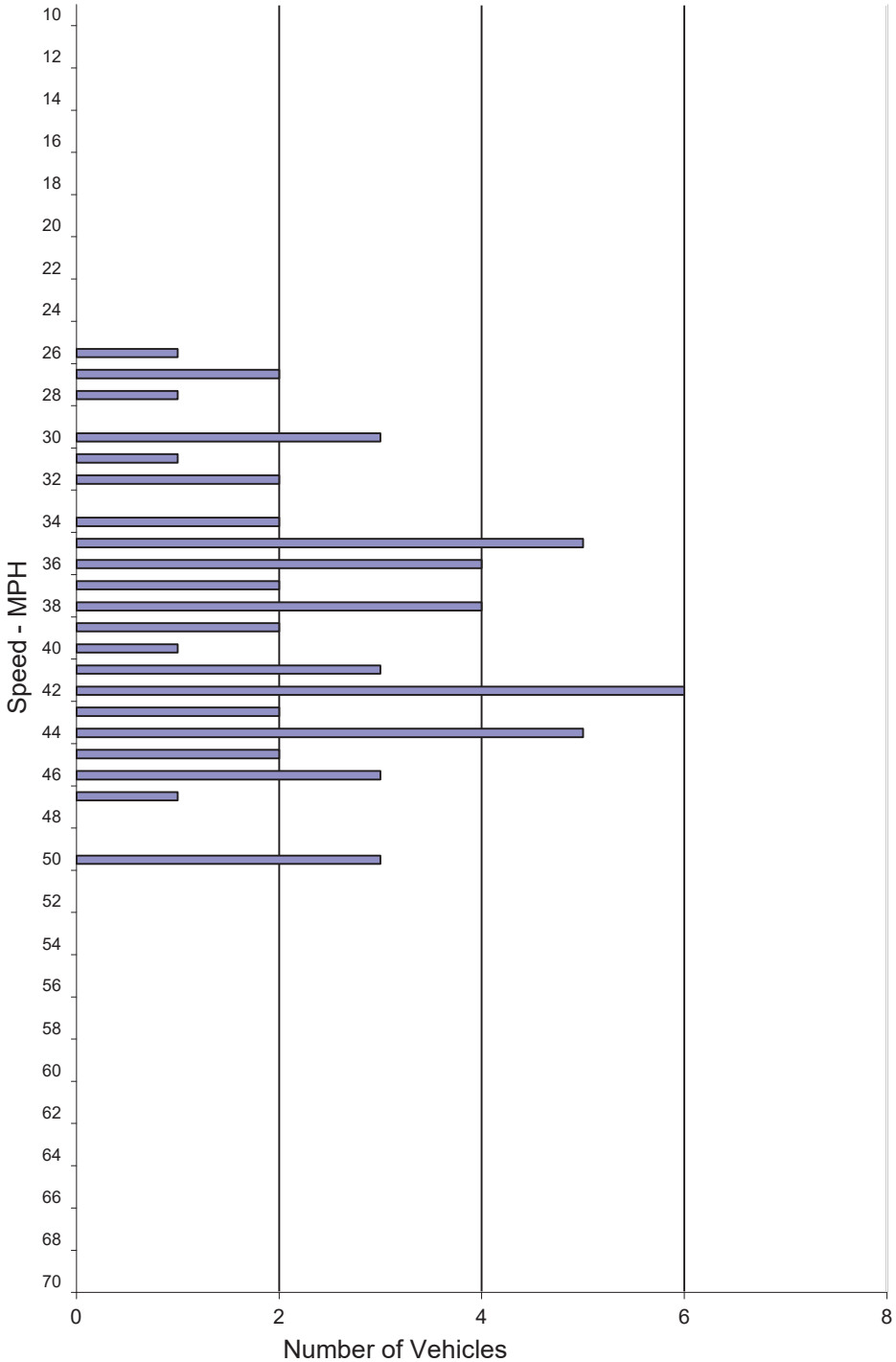
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** Grand Ave E/O S Bent Ave
TIME: 15:15-15:50 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-023

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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14	
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22	
23	
24	
25	
26	1
27	2
28	1
29	
30	3
31	1
32	2
33	
34	2
35	5
36	4
37	2
38	4
39	2
40	1
41	3
42	6
43	2
44	5
45	2
46	3
47	1
48	
49	
50	3
51	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	26 - 50	39 mph	45 mph	35 - 44	34	62%	21% / 12	17% / 9

Spot Speed Study

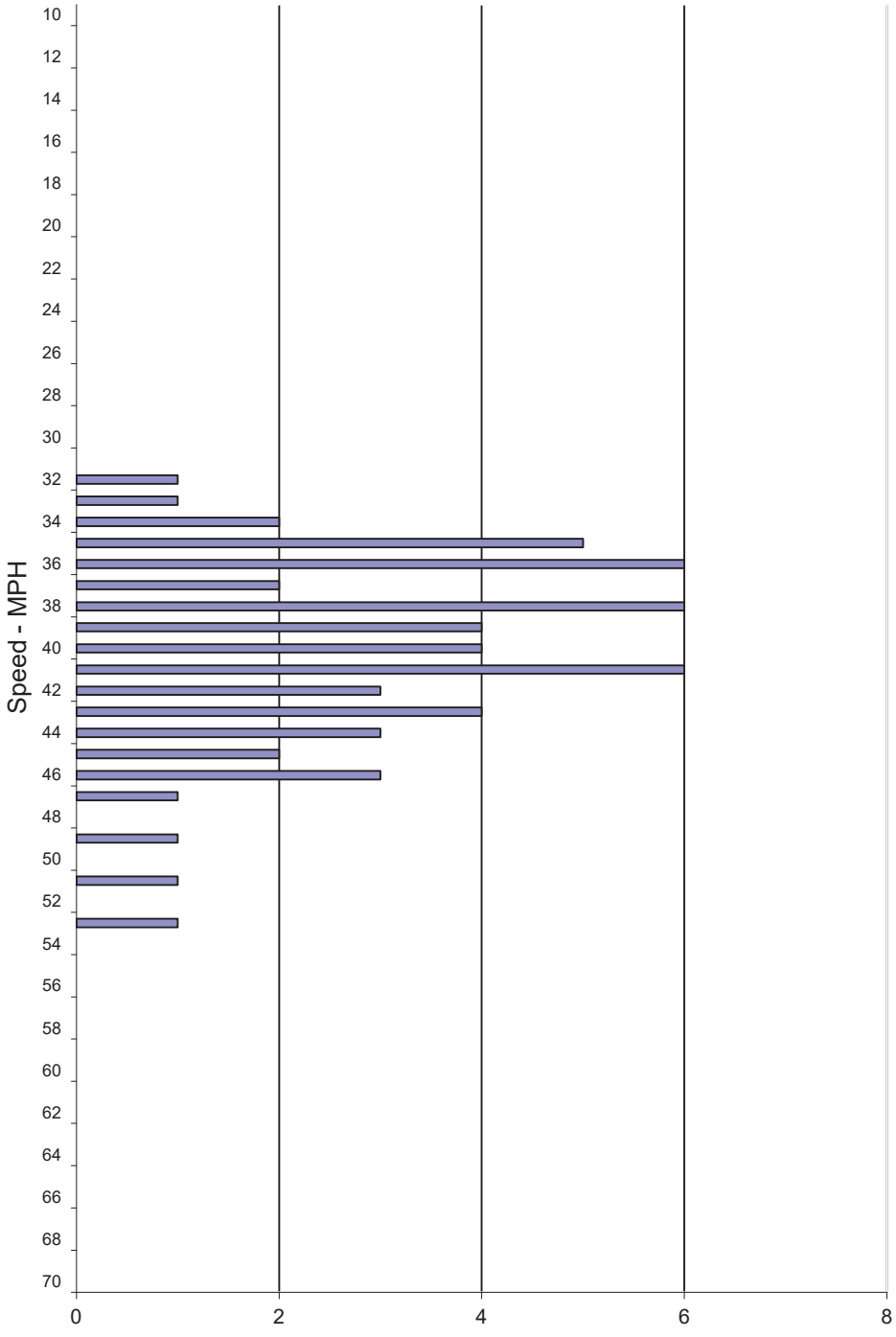
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** Grand Ave E/O S Bent Ave
TIME: 15:15-15:50 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-023

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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35	5
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39	4
40	4
41	6
42	3
43	4
44	3
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	56	32 - 53	40 mph	45 mph	35 - 44	43	77%	7% / 4	17% / 9

Spot Speed Study

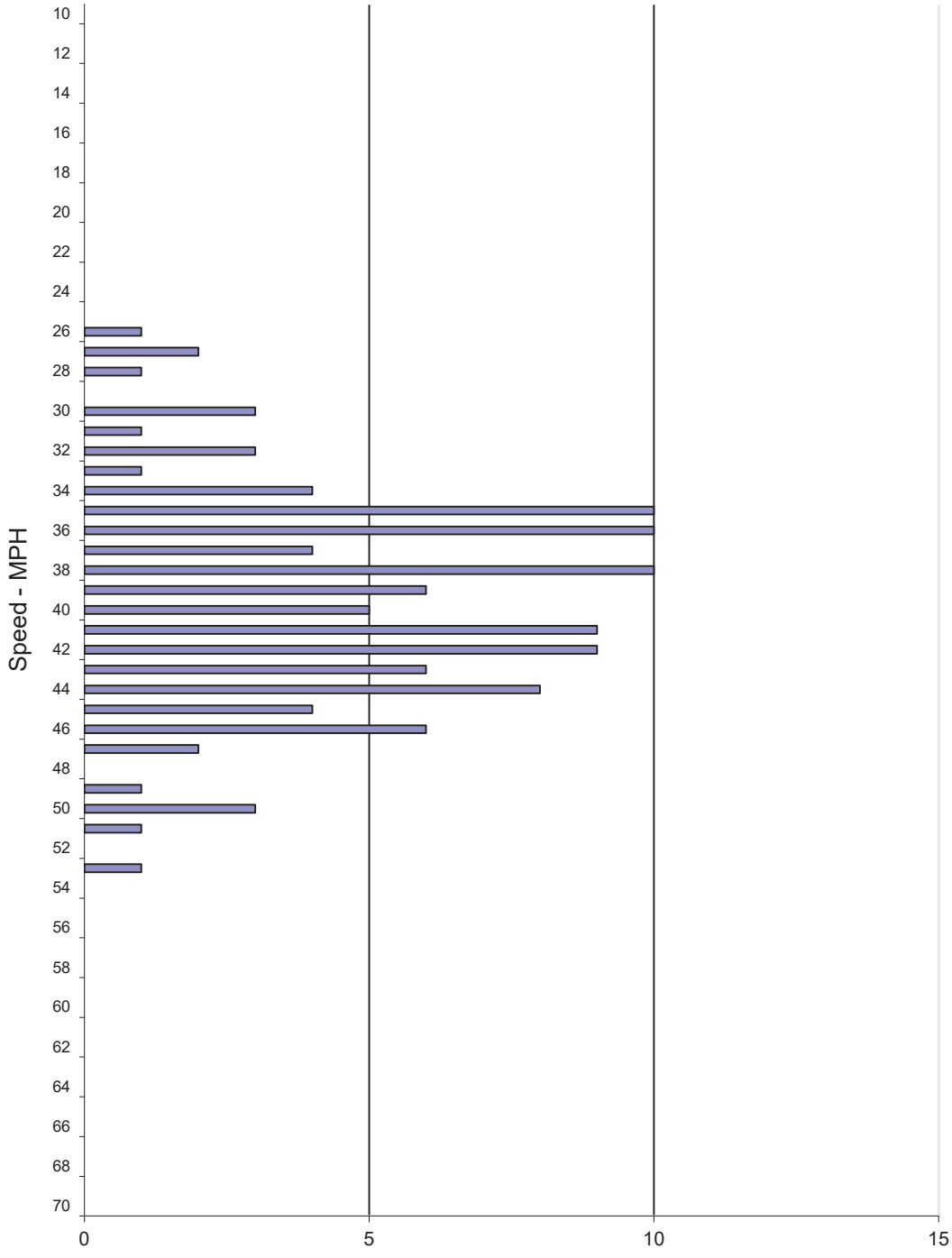
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** Grand Ave E/O S Bent Ave
TIME: 15:15-15:50 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-023

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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26	1
27	2
28	1
29	
30	3
31	1
32	3
33	1
34	4
35	10
36	10
37	4
38	10
39	6
40	5
41	9
42	9
43	6
44	8
45	4
46	6
47	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	111	26 - 53	39 mph	45 mph	35 - 44	77	69%	14% / 16	17% / 18

Roadway	Knoll Road		
Segment	Mission Rd to San Marcos Blvd		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	Class II	85th Percentile Speed	43
Roadway Width (feet)	62	Recommended Speed Limit	40
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.48/0.84
Median	Center Left Turn Lane	2019, District 11, Urban, 4Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

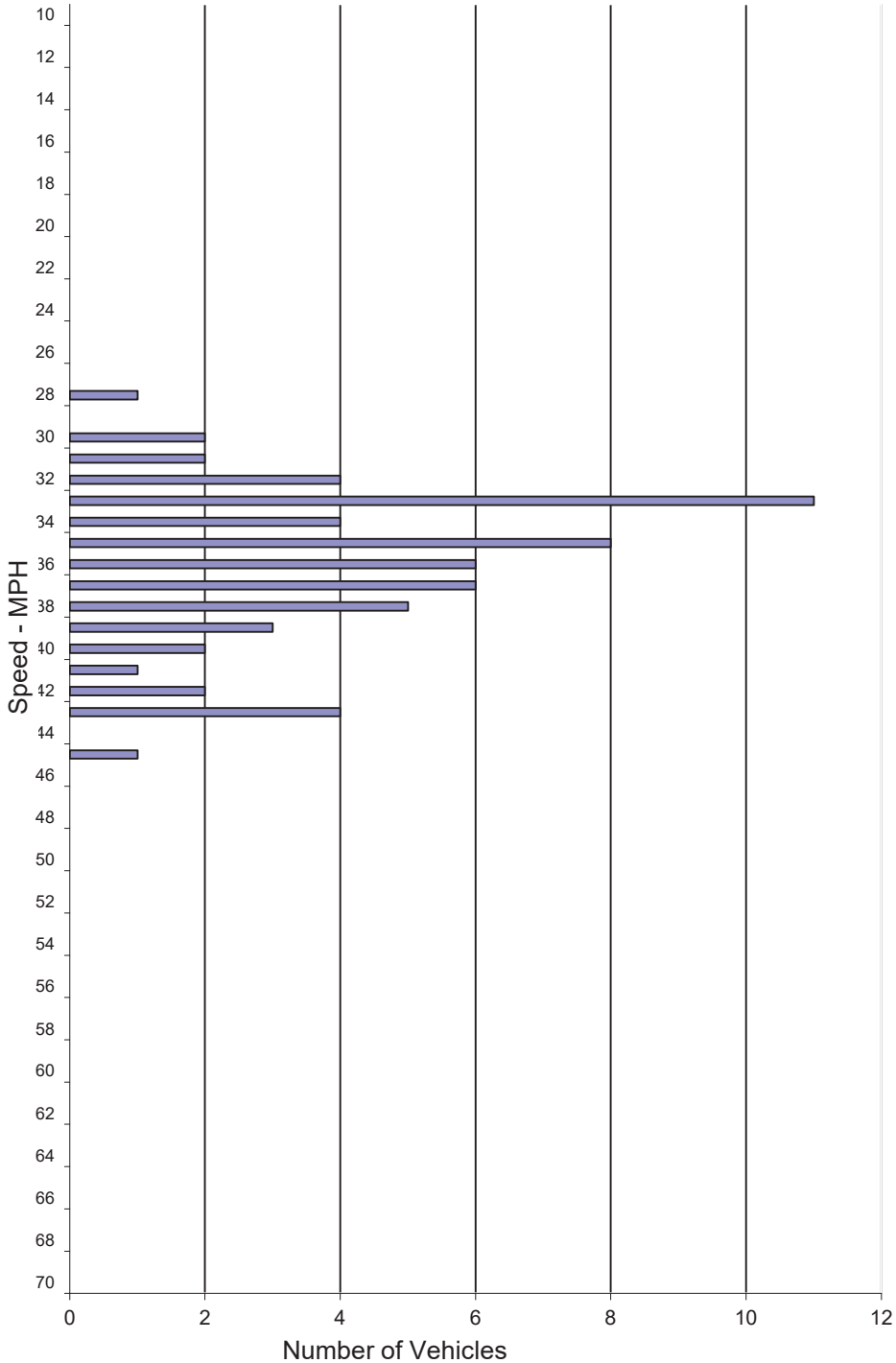
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** Knoll Rd N/O Furniture Row
TIME: 14:00-14:40 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-101

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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28	1
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30	2
31	2
32	4
33	11
34	4
35	8
36	6
37	6
38	5
39	3
40	2
41	1
42	2
43	4
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	62	28 - 45	35 mph	40 mph	30 - 39	51	82%	1% / 1	17% / 10

Spot Speed Study

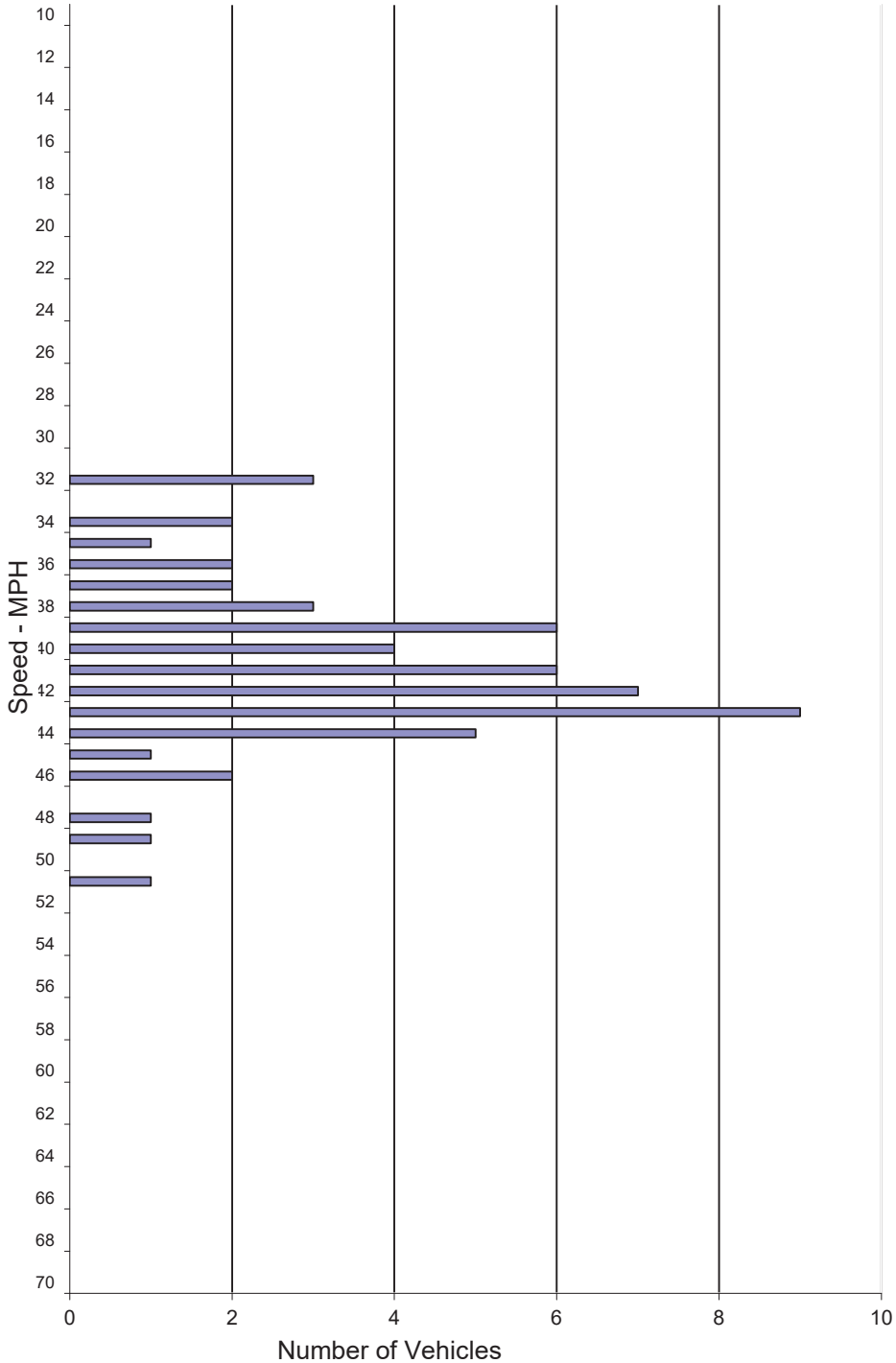
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** Knoll Rd N/O Furniture Row
TIME: 14:00-14:40 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-101

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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32	3
33	
34	2
35	1
36	2
37	2
38	3
39	6
40	4
41	6
42	7
43	9
44	5
45	1
46	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	56	32 - 51	41 mph	44 mph	35 - 44	45	80%	8% / 5	11% / 6

Spot Speed Study

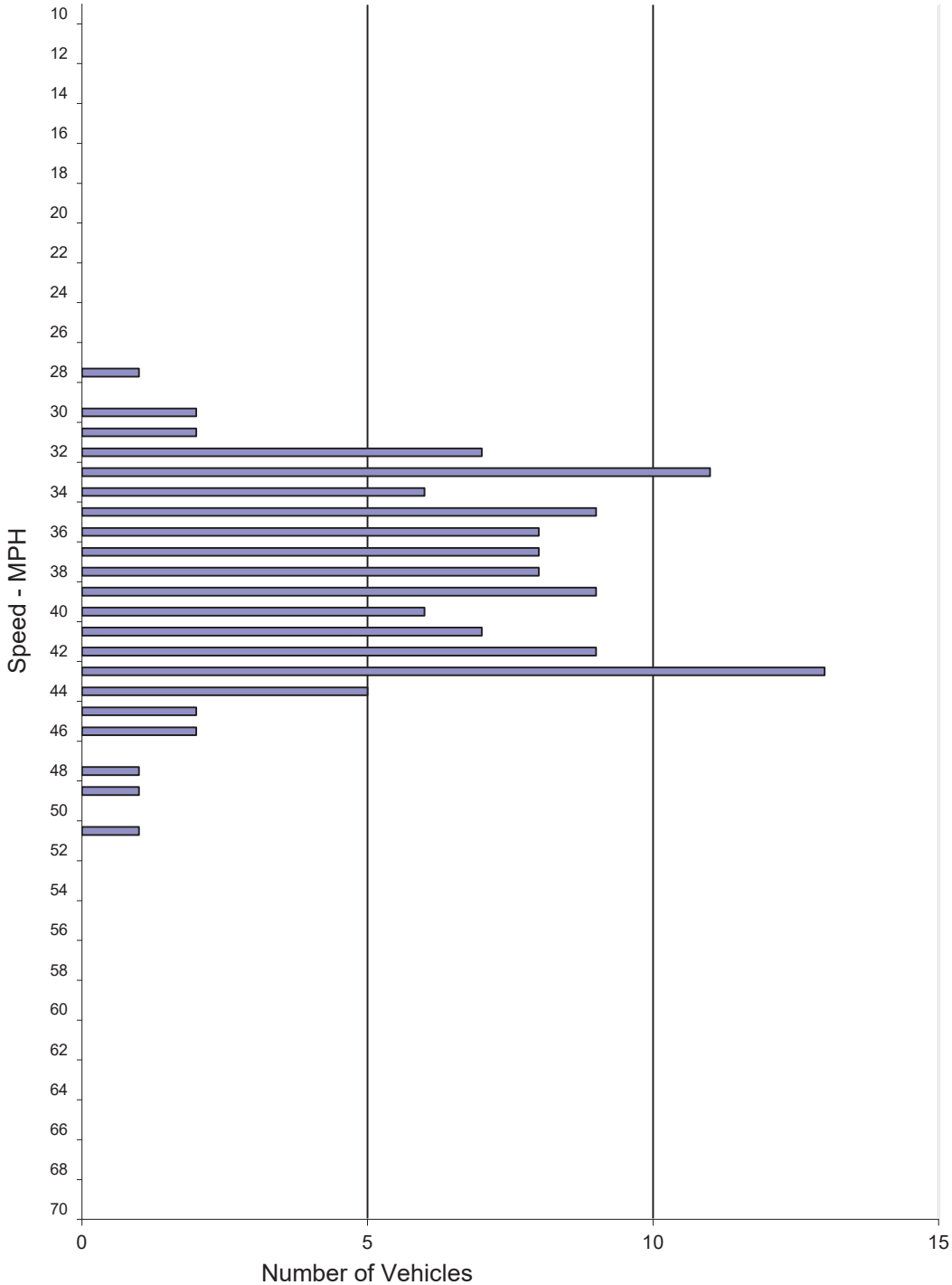
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** Knoll Rd N/O Furniture Row
TIME: 14:00-14:40 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-101

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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32	7
33	11
34	6
35	9
36	8
37	8
38	8
39	9
40	6
41	7
42	9
43	13
44	5
45	2
46	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	118	28 - 51	38 mph	43 mph	34 - 43	83	70%	19% / 23	11% / 12

Roadway	La Cienega Road		
Segment	Twin Oaks Valley Rd to Mulberry Dr		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	44
Roadway Width (feet)	46	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	1.95/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

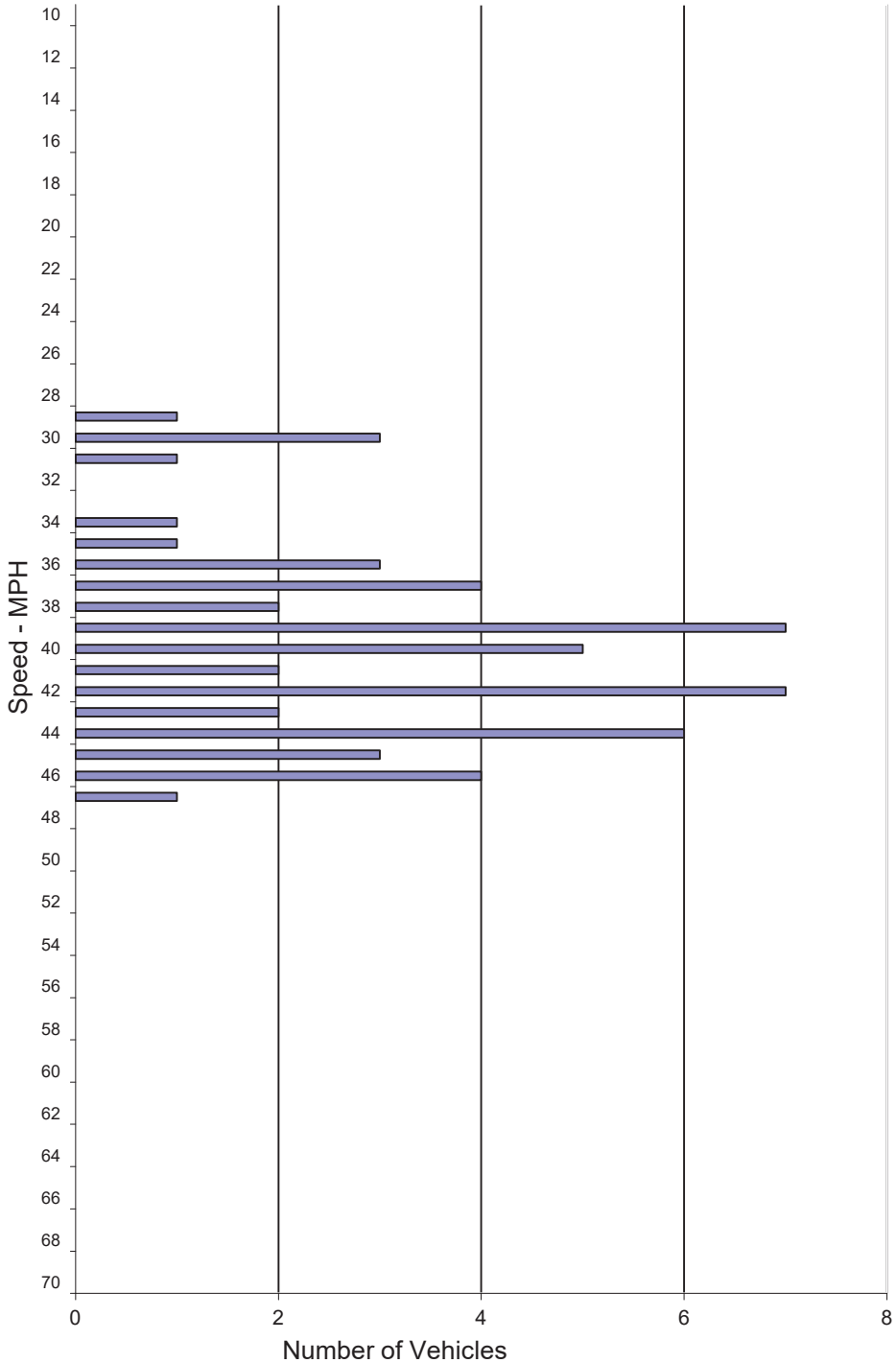
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** E La Cienega Rd W/O Berkshire Ct
TIME: 12:55-13:50 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-038

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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35	1
36	3
37	4
38	2
39	7
40	5
41	2
42	7
43	2
44	6
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	53	29 - 47	40 mph	45 mph	37 - 46	42	79%	18% / 10	2% / 1

Spot Speed Study

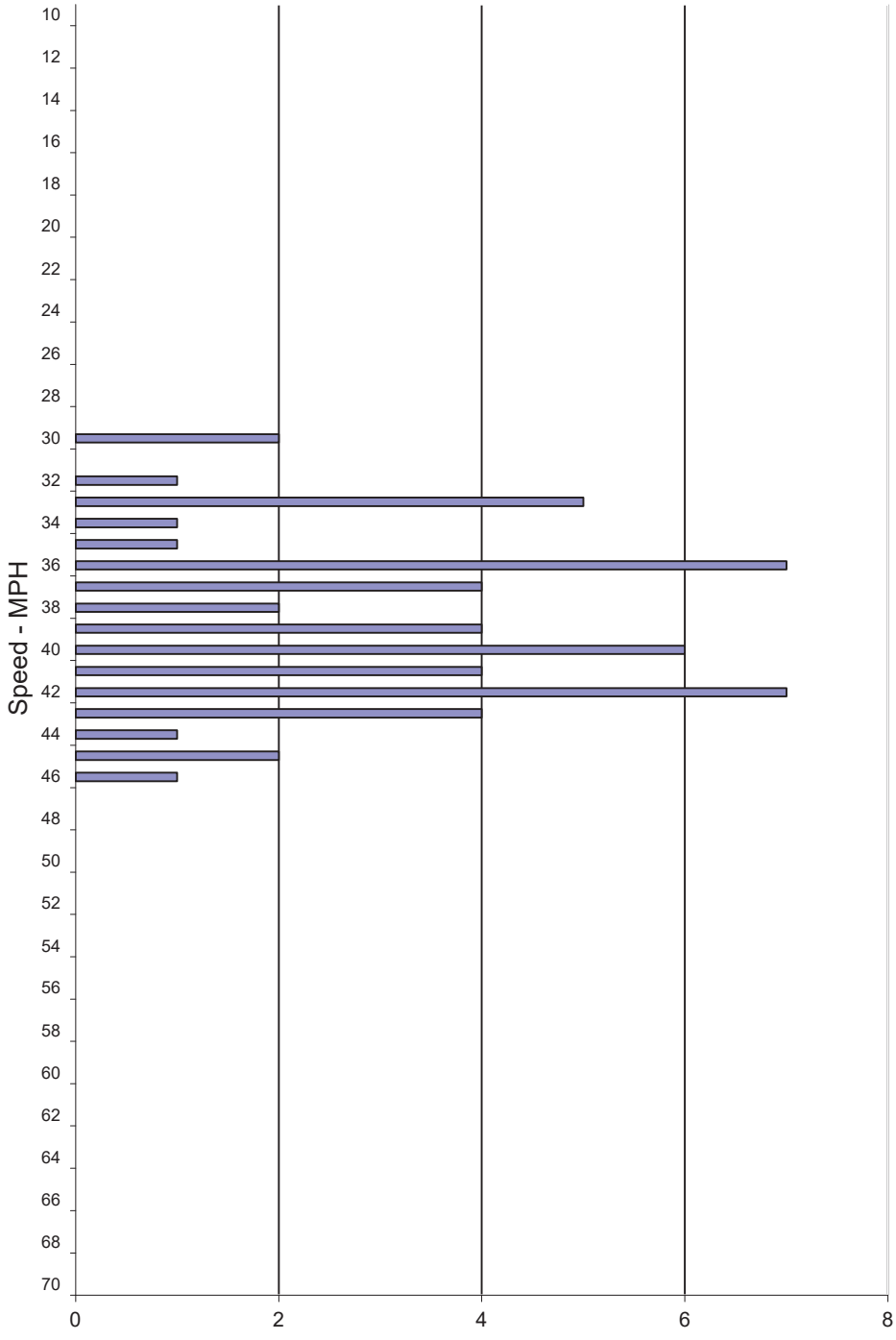
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** E La Cienega Rd W/O Berkshire Ct
TIME: 12:55-13:50 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-038

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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34	1
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36	7
37	4
38	2
39	4
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42	7
43	4
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	52	30 - 46	39 mph	43 mph	33 - 42	41	79%	5% / 3	16% / 8

Spot Speed Study

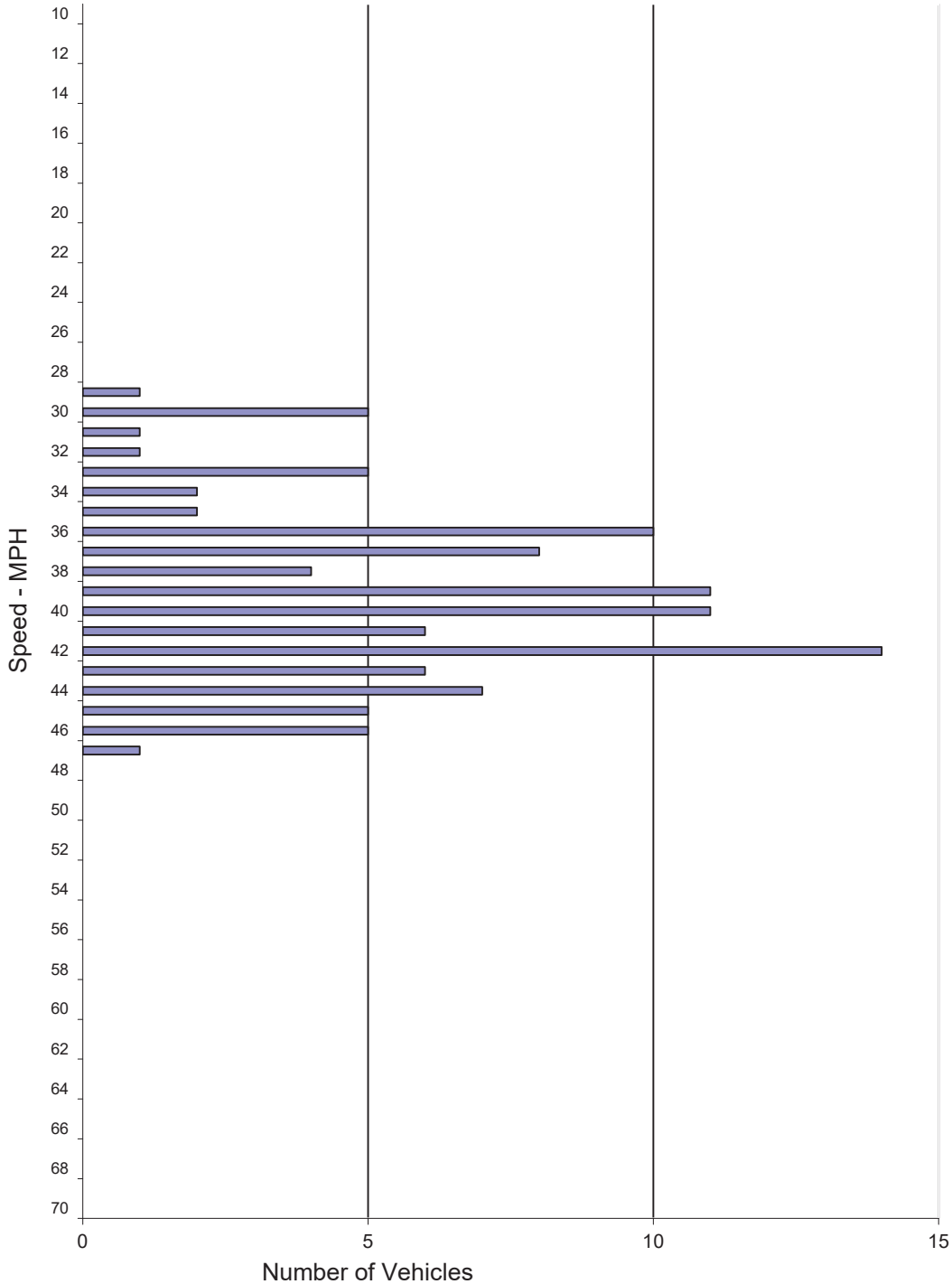
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** E La Cienega Rd W/O Berkshire Ct
TIME: 12:55-13:50 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-038

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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29	1
30	5
31	1
32	1
33	5
34	2
35	2
36	10
37	8
38	4
39	11
40	11
41	6
42	14
43	6
44	7
45	5
46	5
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	105	29 - 47	40 mph	44 mph	36 - 45	82	78%	16% / 17	6% / 6

Roadway	La Costa Meadows		
Segment	Rancho Santa Fe Rd to Diamond St		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	35
Roadway Width (feet)	52	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

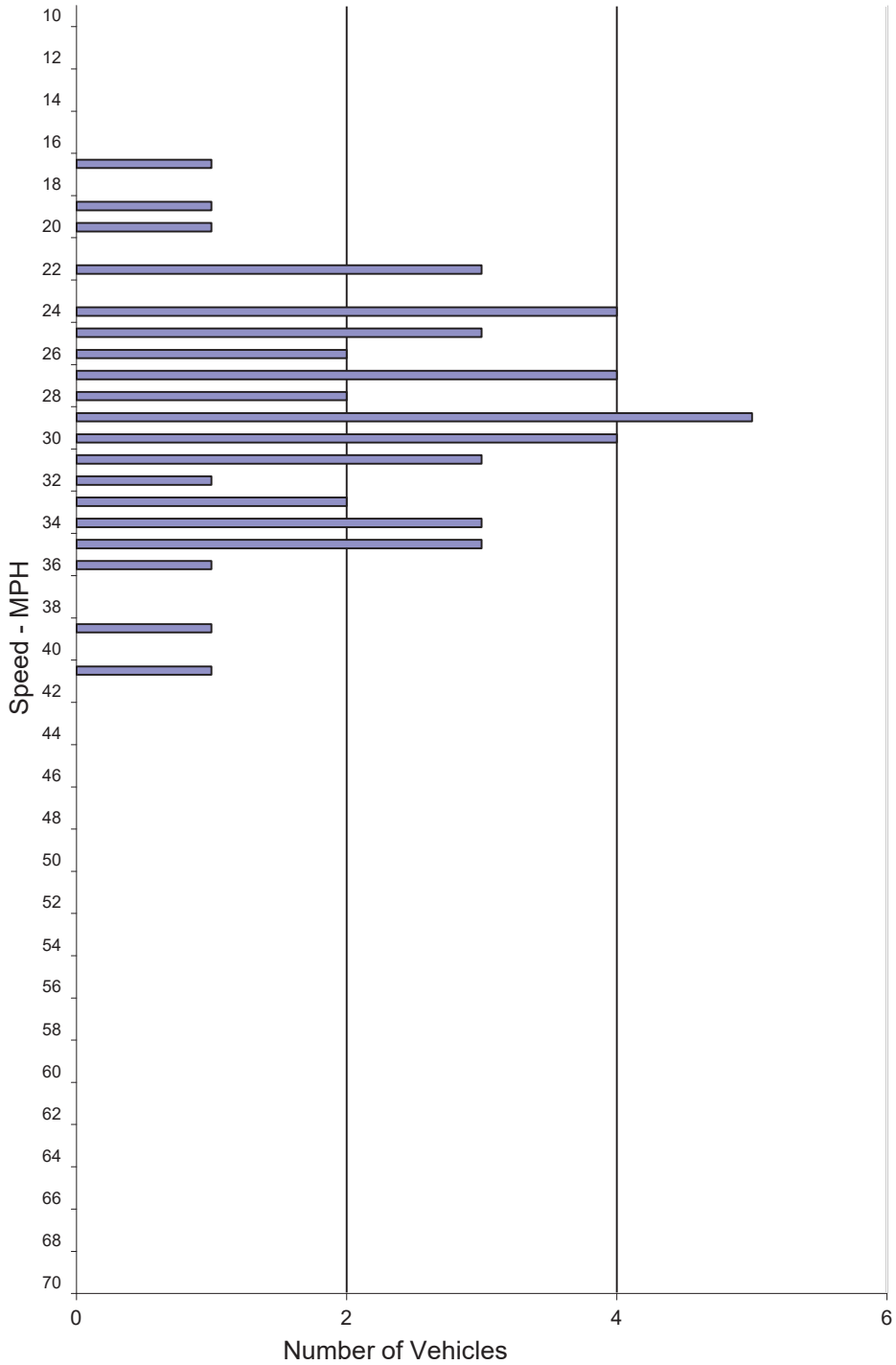
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 12/29/2023 **Location:** La Costa Meadows Dr W/O Sparrow Ln
TIME: 09:00-11:00 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-088

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
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14	
15	
16	
17	1
18	
19	1
20	1
21	
22	3
23	
24	4
25	3
26	2
27	4
28	2
29	5
30	4
31	3
32	1
33	2
34	3
35	3
36	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	45	17 - 41	29 mph	34 mph	22 - 31	30	67%	6% / 3	27% / 12

Spot Speed Study

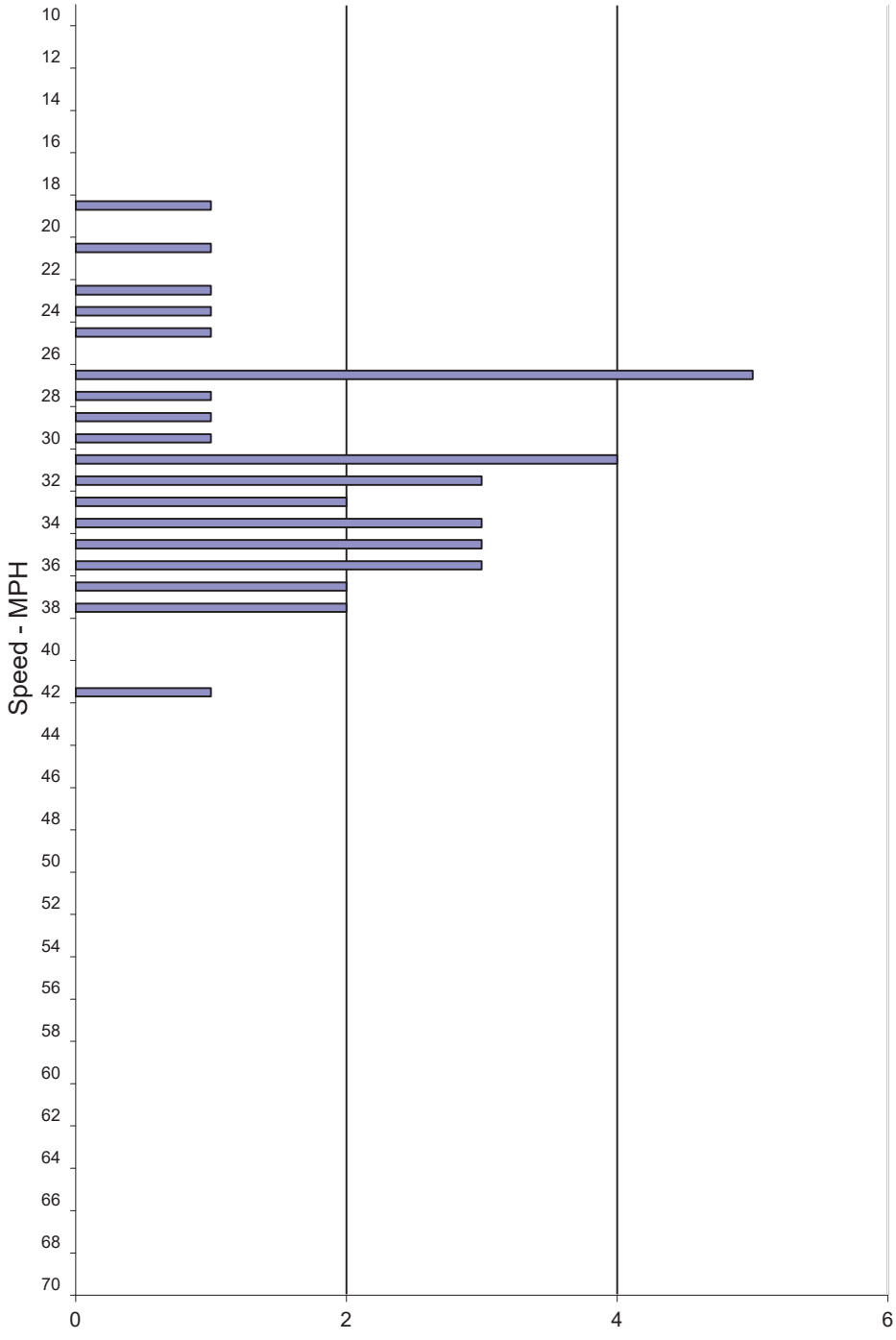
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 12/29/2023 **Location:** La Costa Meadows Dr W/O Sparrow Ln
TIME: 09:00-11:00 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-088

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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19	1
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23	1
24	1
25	1
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27	5
28	1
29	1
30	1
31	4
32	3
33	2
34	3
35	3
36	3
37	2
38	2
39	
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42	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	36	19 - 42	32 mph	36 mph	27 - 36	26	72%	13% / 5	14% / 5

Spot Speed Study

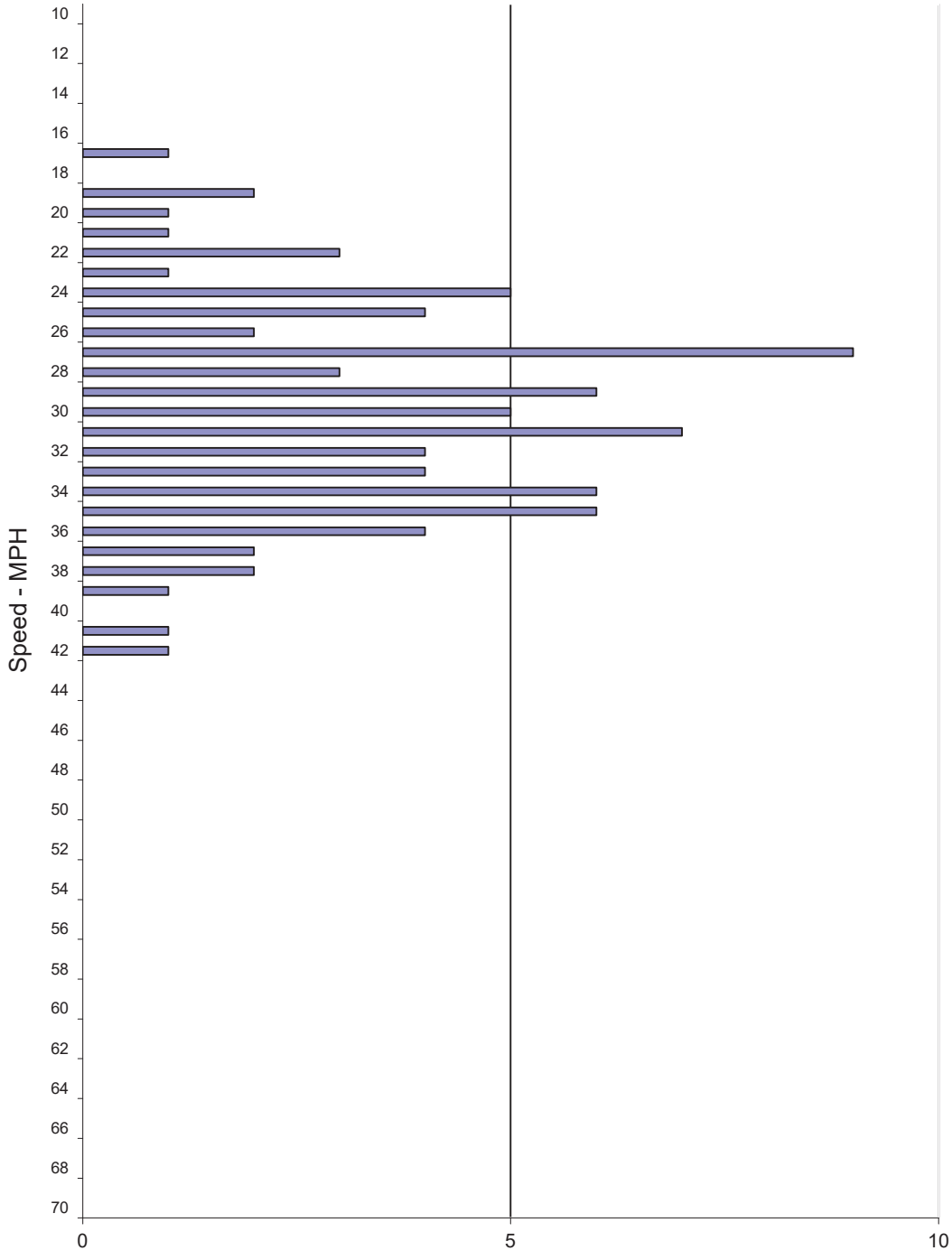
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 12/29/2023 **Location:** La Costa Meadows Dr W/O Sparrow Ln
TIME: 09:00-11:00 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-088

Eastbound & Westbound Spot Speeds

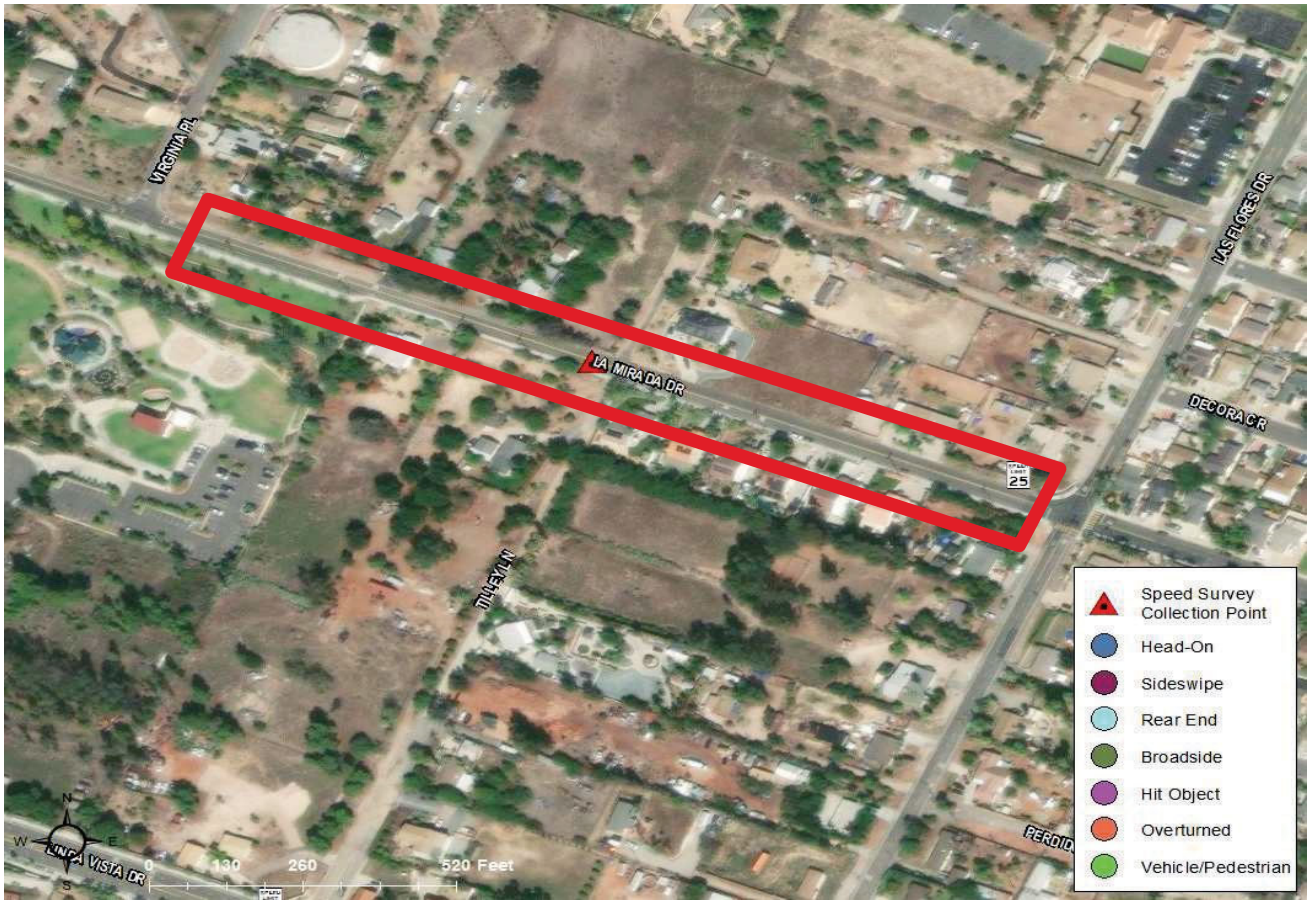
Speed mph	ALL Vehicles
<=10	
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19	2
20	1
21	1
22	3
23	1
24	5
25	4
26	2
27	9
28	3
29	6
30	5
31	7
32	4
33	4
34	6
35	6
36	4
37	2
38	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	81	17 - 42	30 mph	35 mph	27 - 36	54	67%	24% / 20	9% / 7

Roadway	La Mirada Drive		
Segment	Western City Limits to Las Flores Dr		
Pedestrian Facilities	Intermittent	Posted Speed Limit	25
Bicycle Facilities	No	85th Percentile Speed	31
Roadway Width (feet)	38	Recommended Speed Limit	25
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

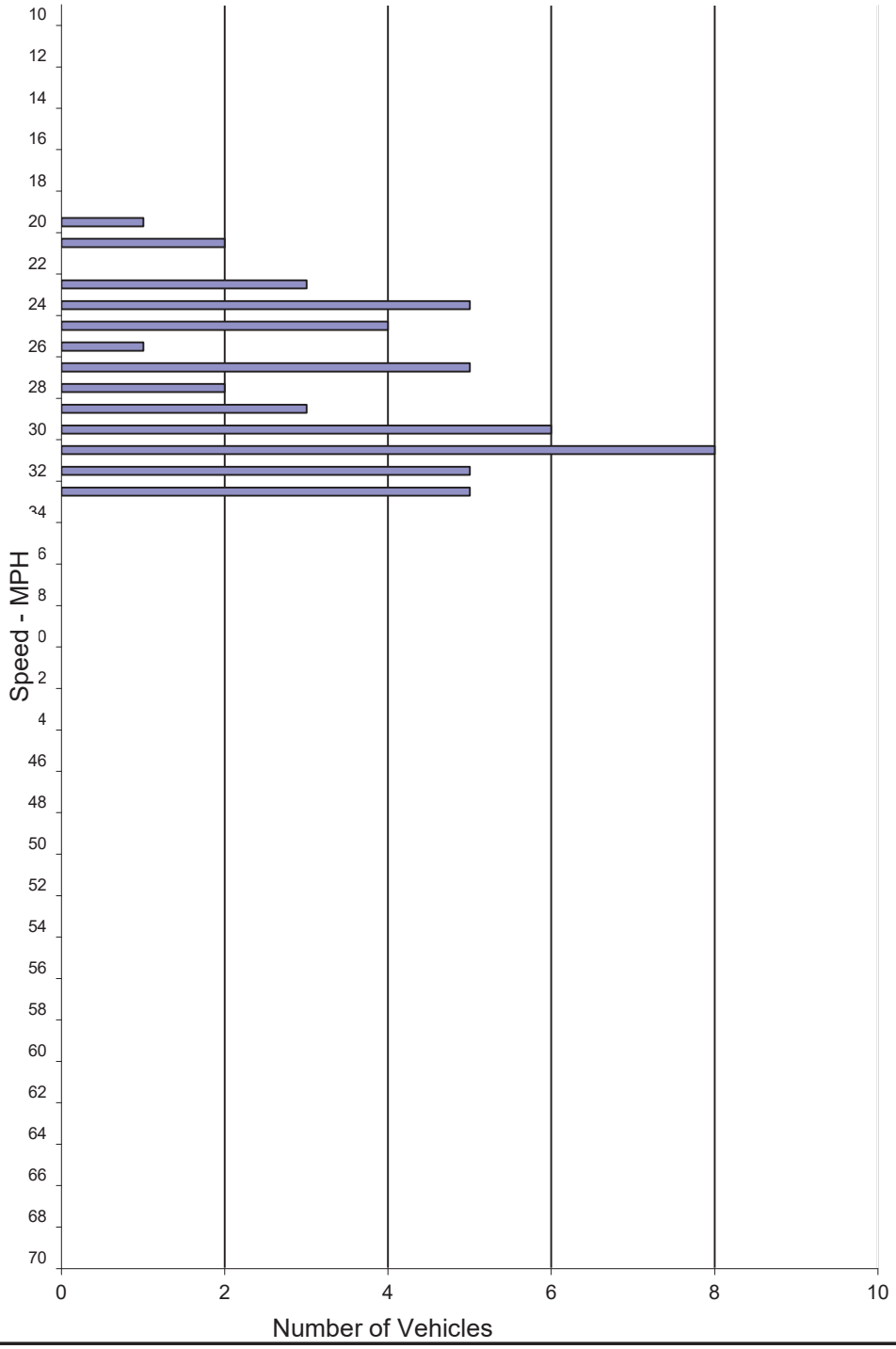
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** La Mirada Dr W/O Tilley Ln
TIME: 10:05-11:00 **Posted Speed:** 25 MPH Clear/Dry **Project #:** 23-040001-002

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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23	3
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29	3
30	6
31	8
32	5
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SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	20 - 33	29 mph	32 mph	24 - 33	44	88%	12% / 6	0% / 0

Spot Speed Study

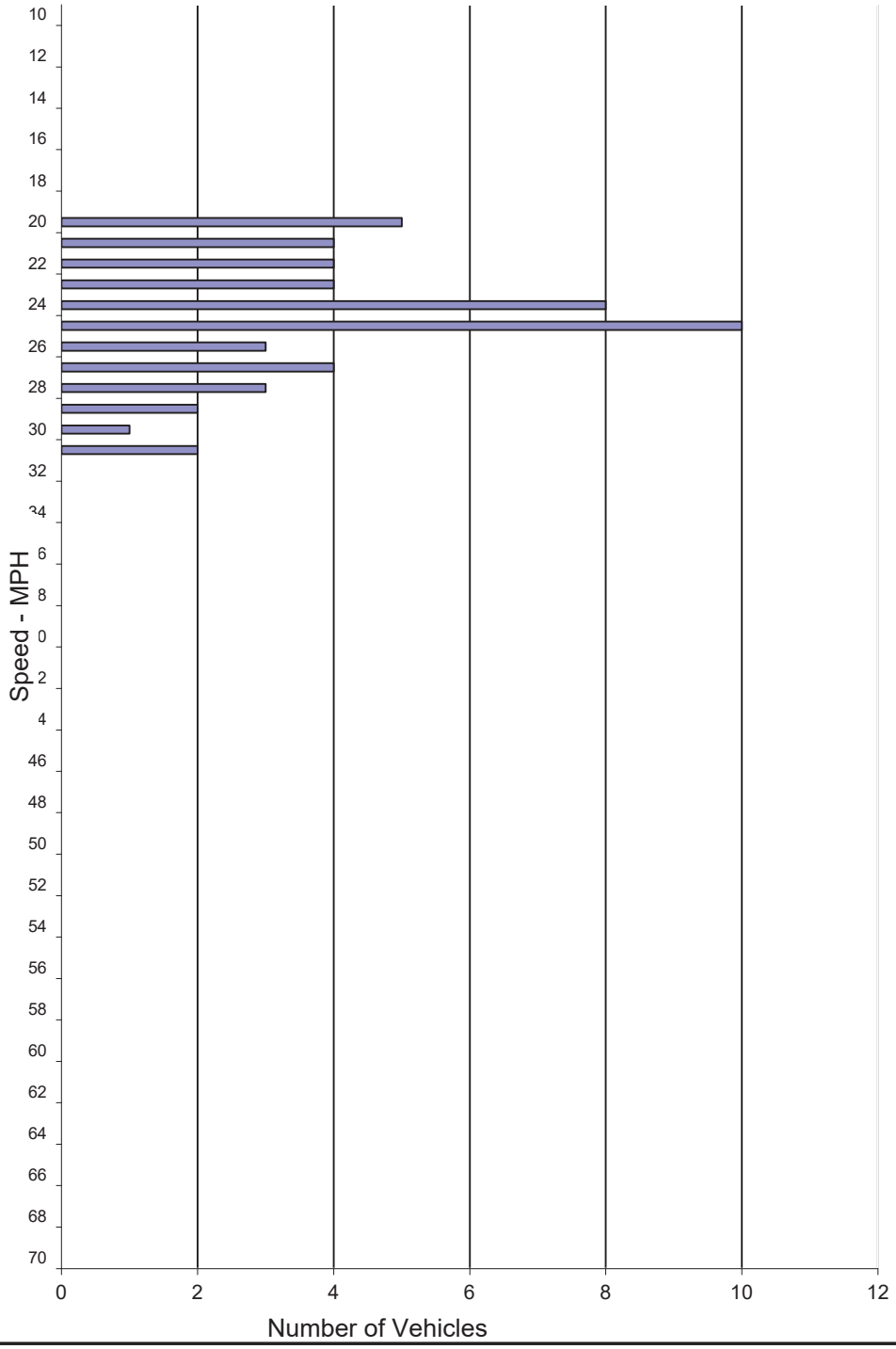
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** La Mirada Dr W/O Tilley Ln
TIME: 10:05-11:00 **Posted Speed:** 25 MPH Clear/Dry **Project #:** 23-040001-002

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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22	4
23	4
24	8
25	10
26	3
27	4
28	3
29	2
30	1
31	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	20 - 31	24 mph	28 mph	20 - 29	47	94%	0% / 0	6% / 3

Spot Speed Study

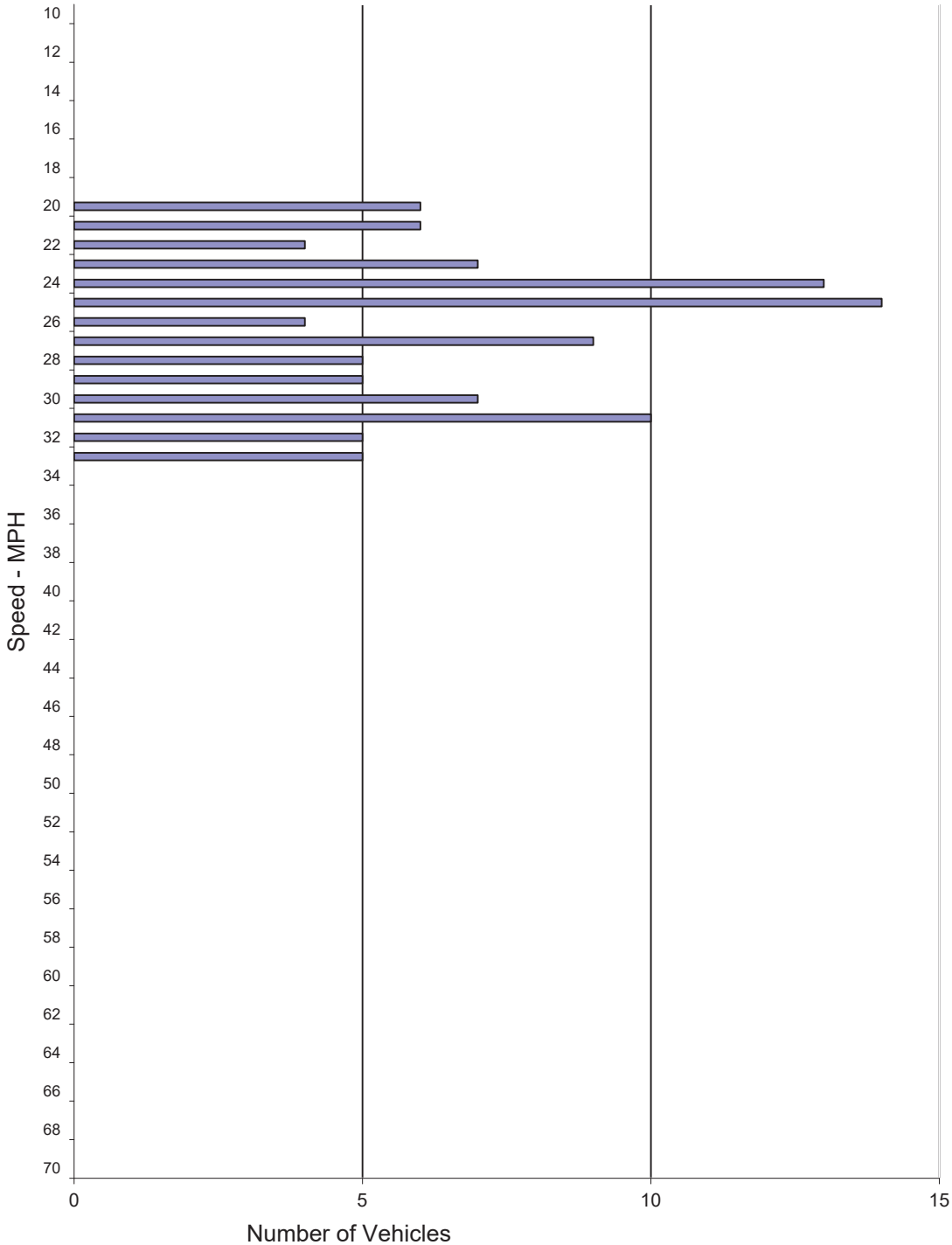
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** La Mirada Dr W/O Tilley Ln
TIME: 10:05-11:00 **Posted Speed:** 25 MPH Clear/Dry **Project #:** 23-040001-002

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	6
21	6
22	4
23	7
24	13
25	14
26	4
27	9
28	5
29	5
30	7
31	10
32	5
33	5
34	
35	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	20 - 33	25 mph	31 mph	23 - 32	79	79%	16% / 16	5% / 5

Roadway	La Mirada Drive		
Segment	Rancho Santa Fe Rd to Las Posas Rd		
Pedestrian Facilities	No	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	37
Roadway Width (feet)	32	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	1.11/1.33
Median	None	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

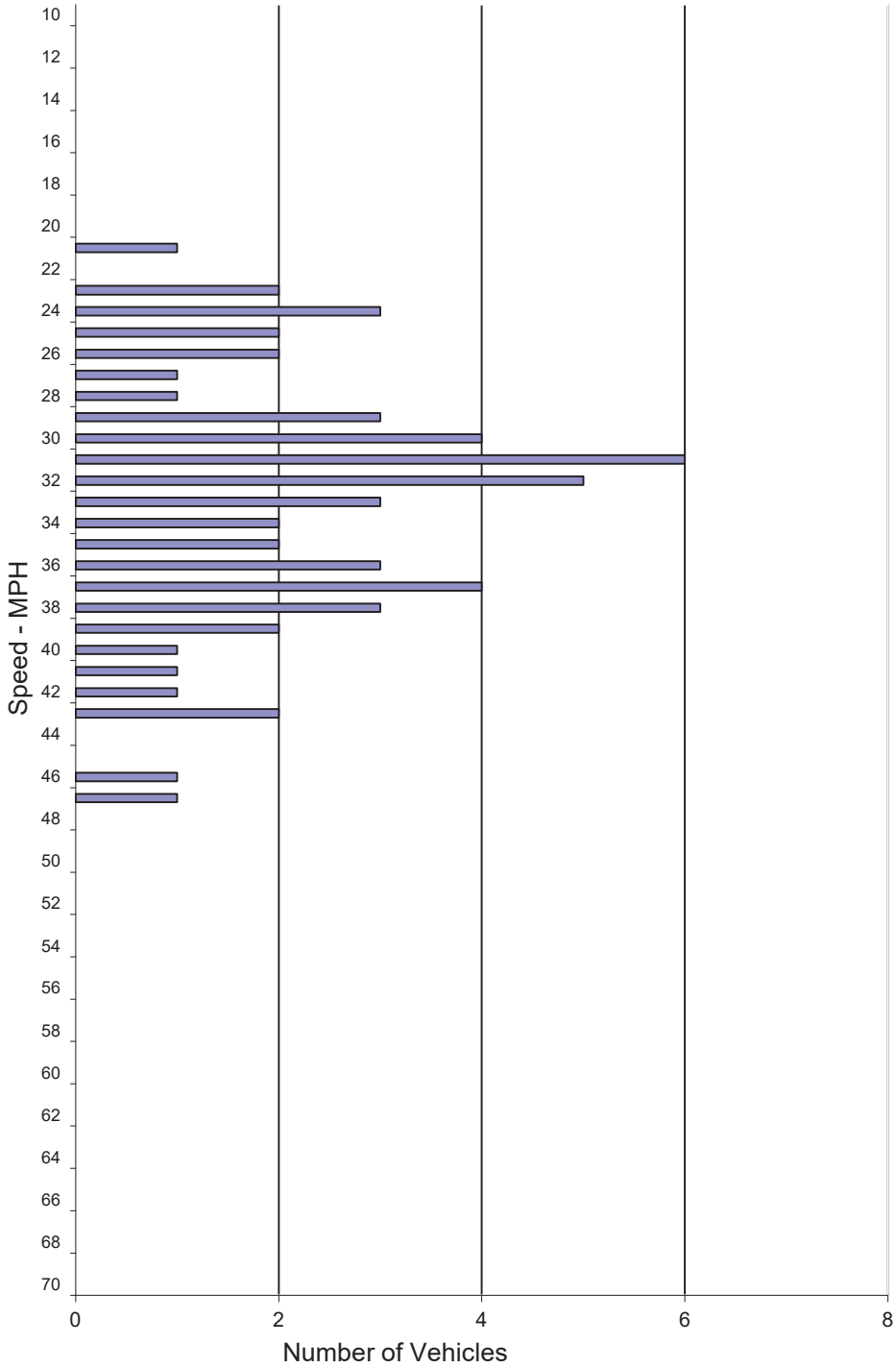
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** La Mirada Dr Bet. Las Posas Rd & Rancho Santa Fe Rd
TIME: 15:00-15:37 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-001

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	1
22	
23	2
24	3
25	2
26	2
27	1
28	1
29	3
30	4
31	6
32	5
33	3
34	2
35	2
36	3
37	4
38	3
39	2
40	1
41	1
42	1
43	2
44	
45	
46	1
47	1
48	
49	
50	
51	
52	
53	
54	
55	
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57	
58	
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61	
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63	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	56	21 - 47	32 mph	39 mph	29 - 38	35	63%	21% / 12	17% / 9

Spot Speed Study

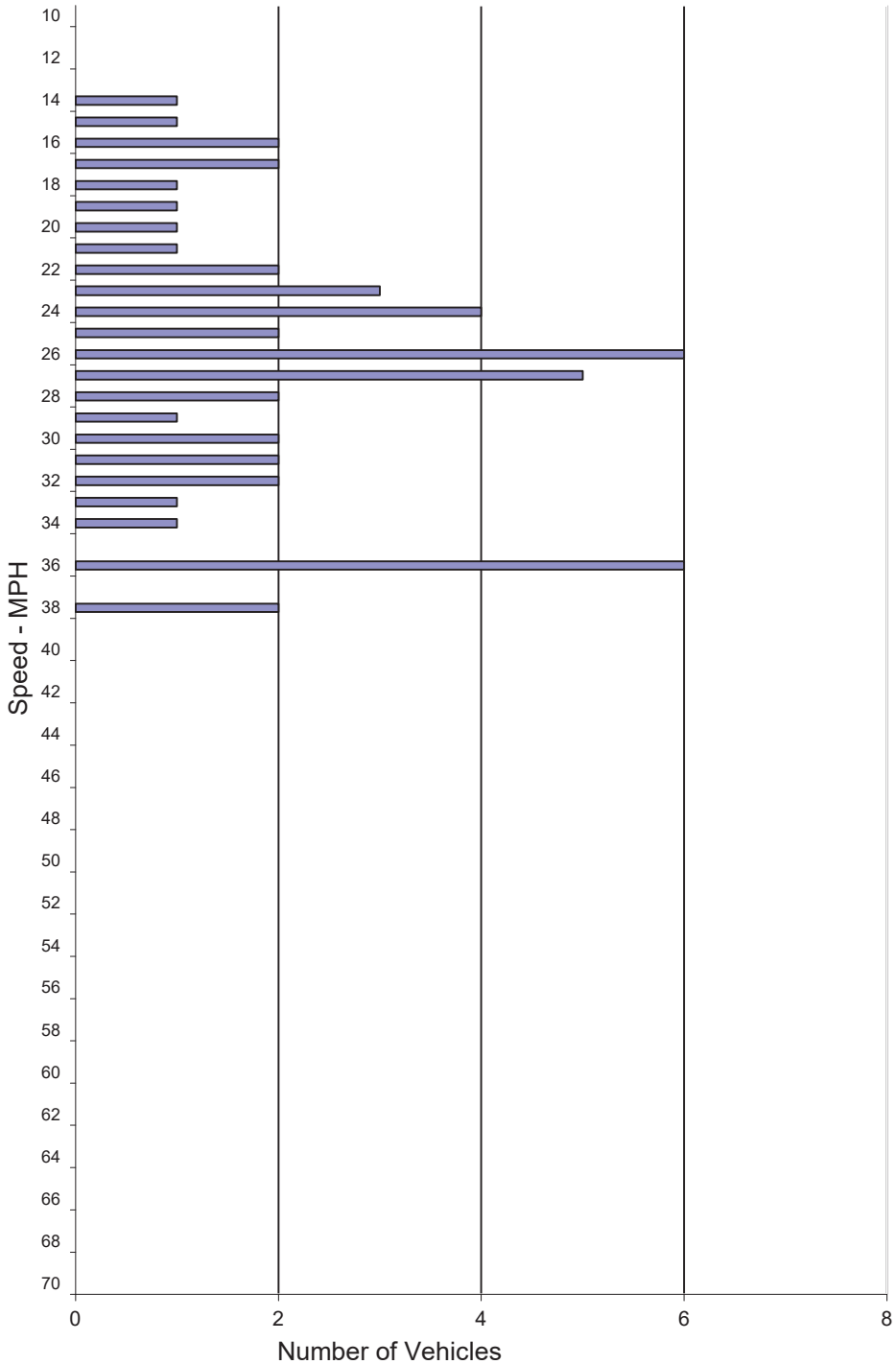
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** La Mirada Dr Bet. Las Posas Rd & Rancho Santa Fe Rd
TIME: 15:00-15:37 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-001

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	1
15	1
16	2
17	2
18	1
19	1
20	1
21	1
22	2
23	3
24	4
25	2
26	6
27	5
28	2
29	1
30	2
31	2
32	2
33	1
34	1
35	
36	6
37	
38	2
39	
40	
41	
42	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	51	14 - 38	26 mph	36 mph	22 - 31	29	57%	19% / 10	24% / 12

Spot Speed Study

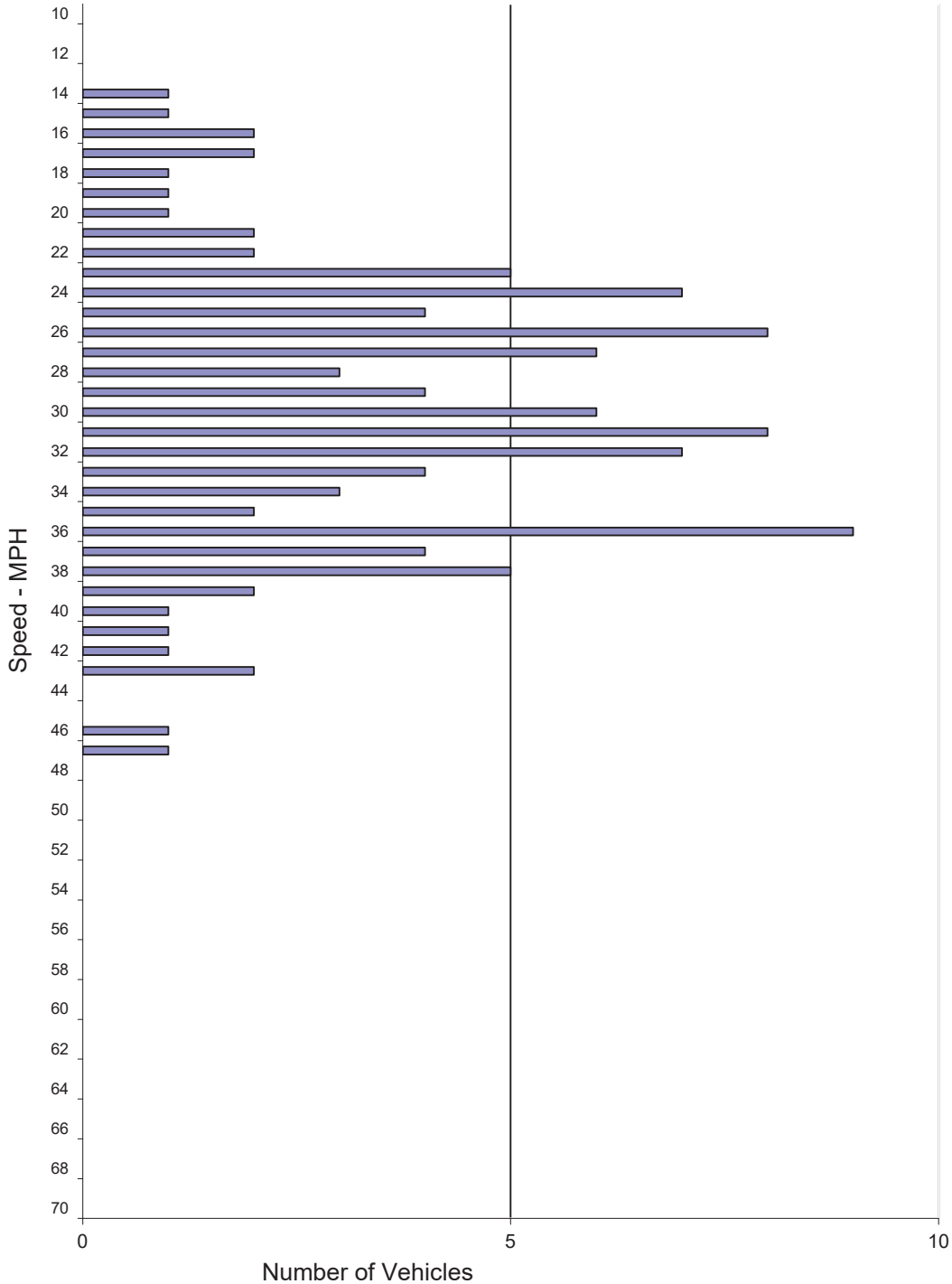
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** La Mirada Dr Bet. Las Posas Rd & Rancho Santa Fe Rd
TIME: 15:00-15:37 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-001

Eastbound & Westbound Spot Speeds

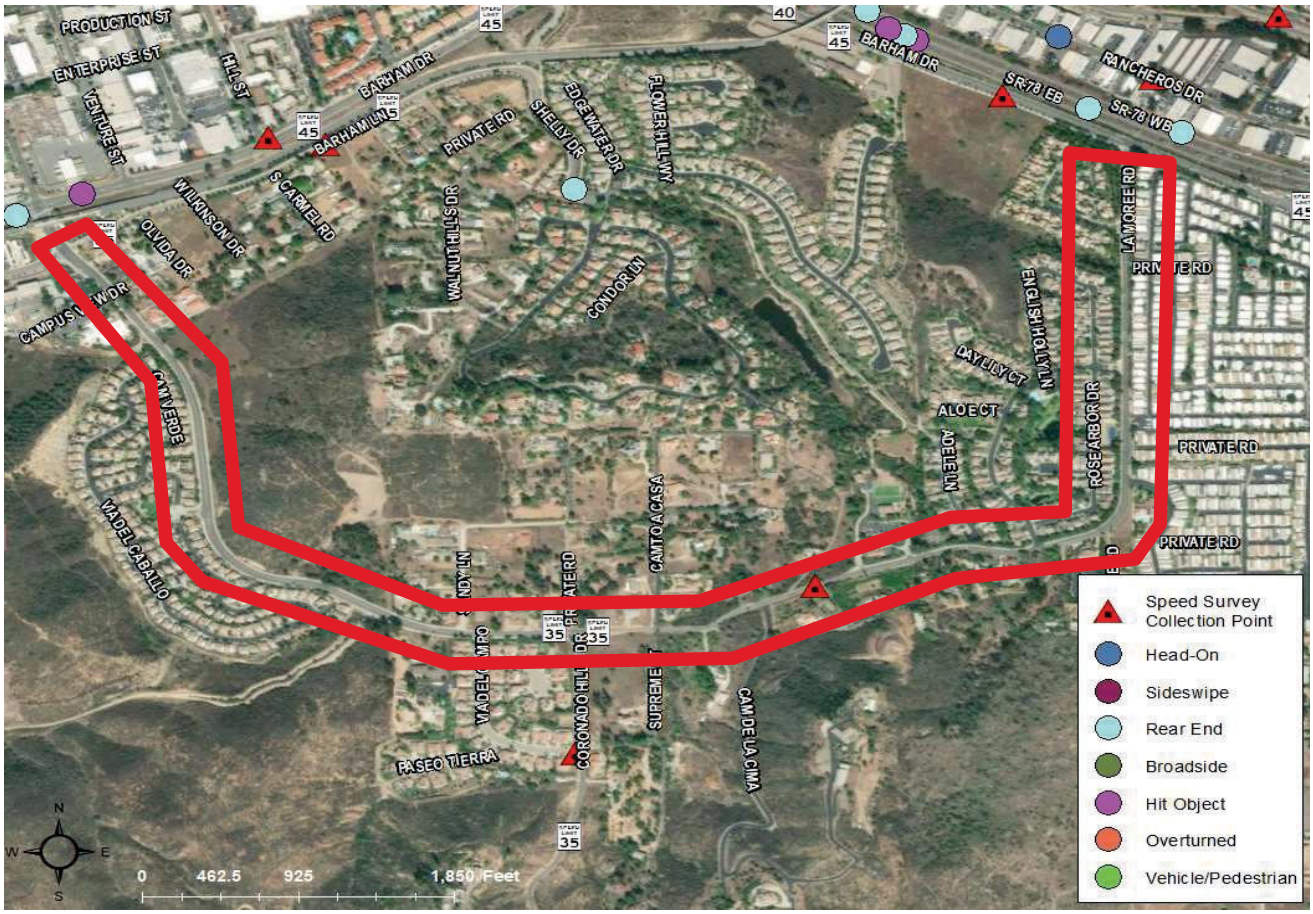
Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	1
15	1
16	2
17	2
18	1
19	1
20	1
21	2
22	2
23	5
24	7
25	4
26	8
27	6
28	3
29	4
30	6
31	8
32	7
33	4
34	3
35	2
36	9
37	4
38	5
39	2
40	1
41	1
42	1
43	2
44	
45	
46	1
47	1
48	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	107	14 - 47	30 mph	37 mph	23 - 32	58	54%	12% / 13	34% / 36

Roadway	La Moree Road (East & West)		
Segment	Barham Dr to Barham Dr		
Pedestrian Facilities	Intermittent	Posted Speed Limit	35
Bicycle Facilities	None	85th Percentile Speed	40
Roadway Width (feet)	40	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0/1.33
Median	Center Left Turn Lane / Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

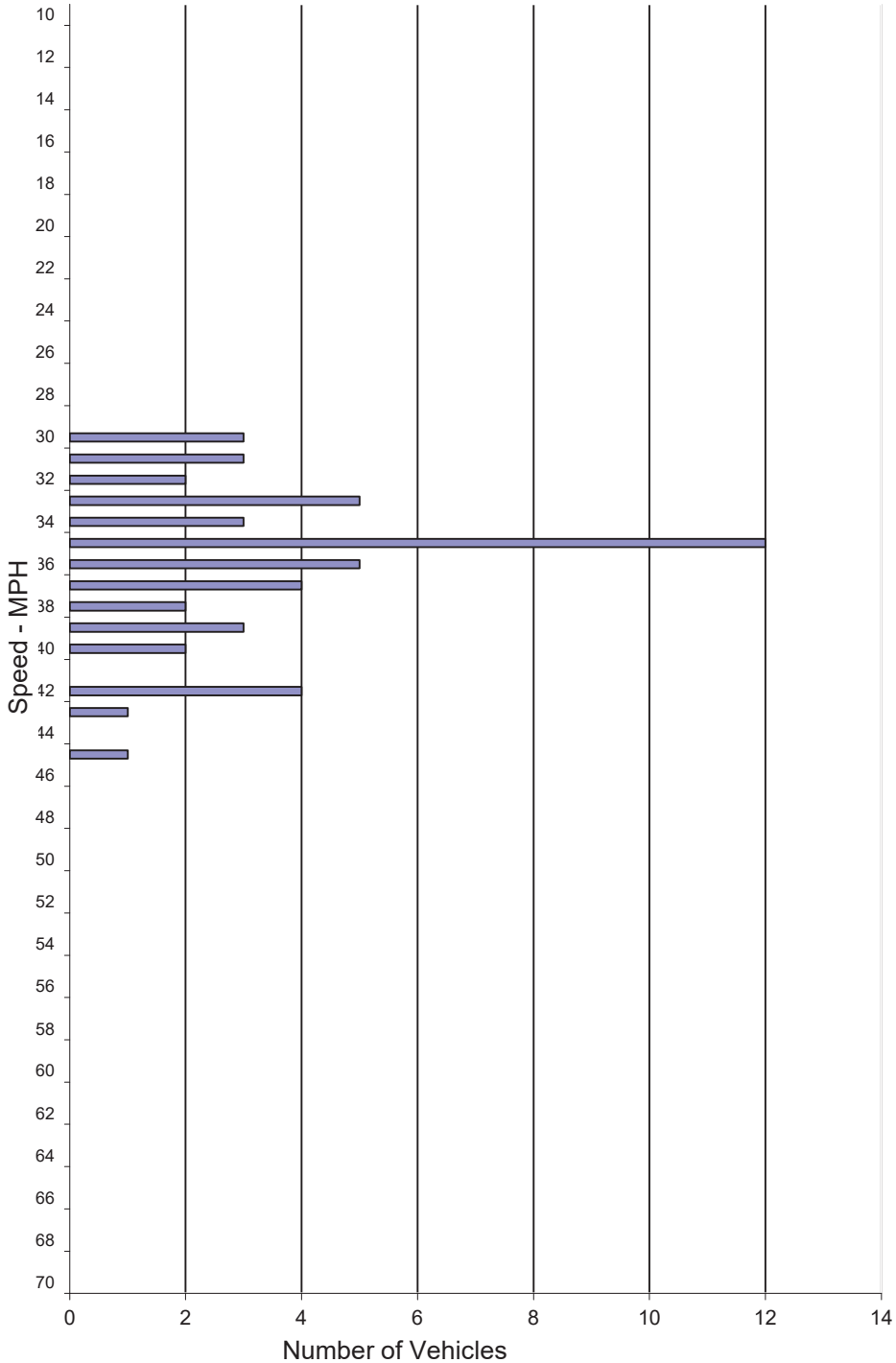
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** La Moree Rd E/O Camino De La Cima
TIME: 10:00-11:00 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-069

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	3
31	3
32	2
33	5
34	3
35	12
36	5
37	4
38	2
39	3
40	2
41	
42	4
43	1
44	
45	1
46	
47	
48	
49	
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52	
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62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	30 - 45	35 mph	40 mph	30 - 39	42	84%	0% / 0	16% / 8

Spot Speed Study

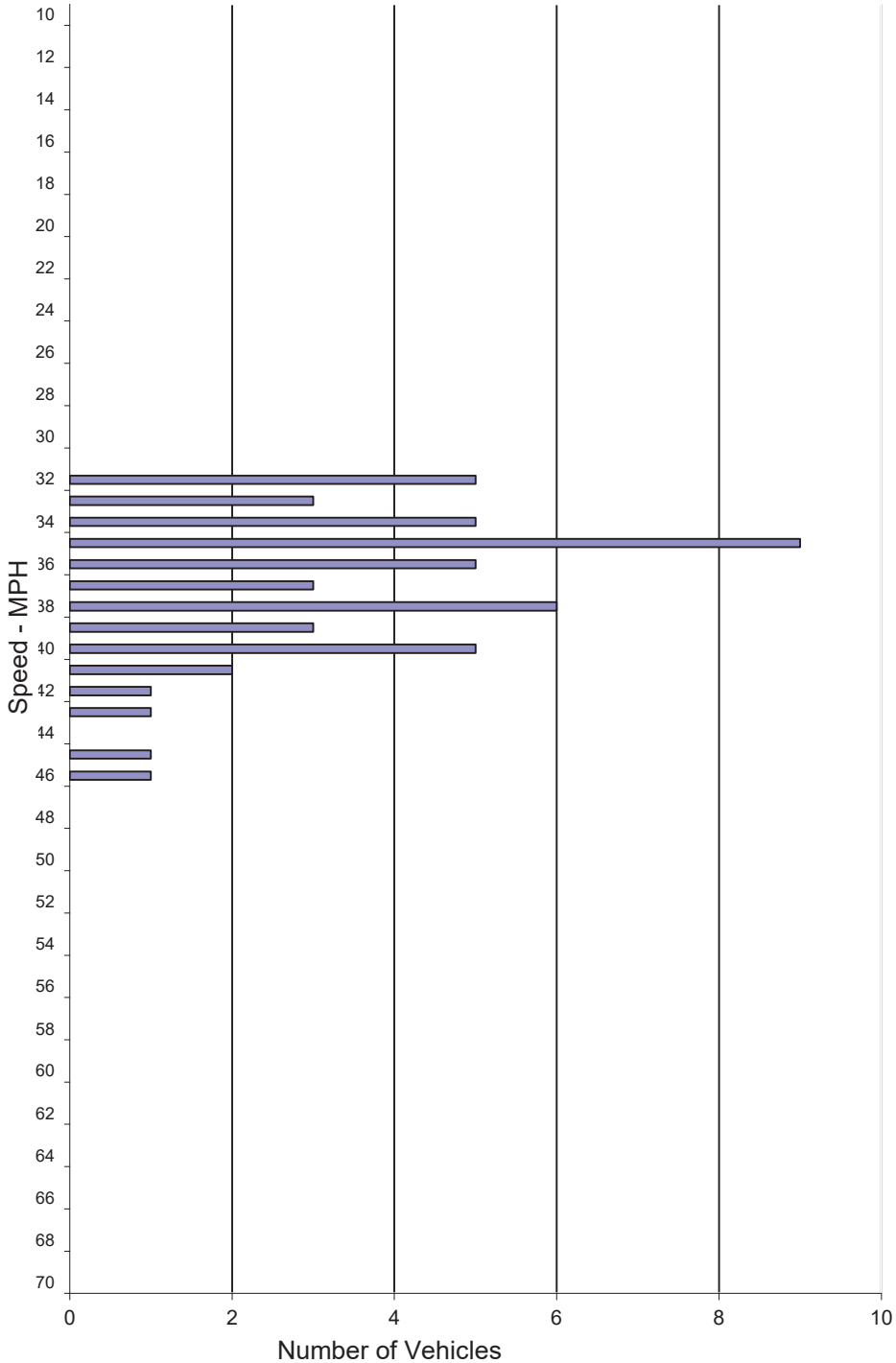
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** La Moree Rd E/O Camino De La Cima
TIME: 10:00-11:00 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-069

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	5
33	3
34	5
35	9
36	5
37	3
38	6
39	3
40	5
41	2
42	1
43	1
44	
45	1
46	1
47	
48	
49	
50	
51	
52	
53	
54	
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57	
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63	
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65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	32 - 46	36 mph	40 mph	32 - 41	46	92%	0% / 0	8% / 4

Spot Speed Study

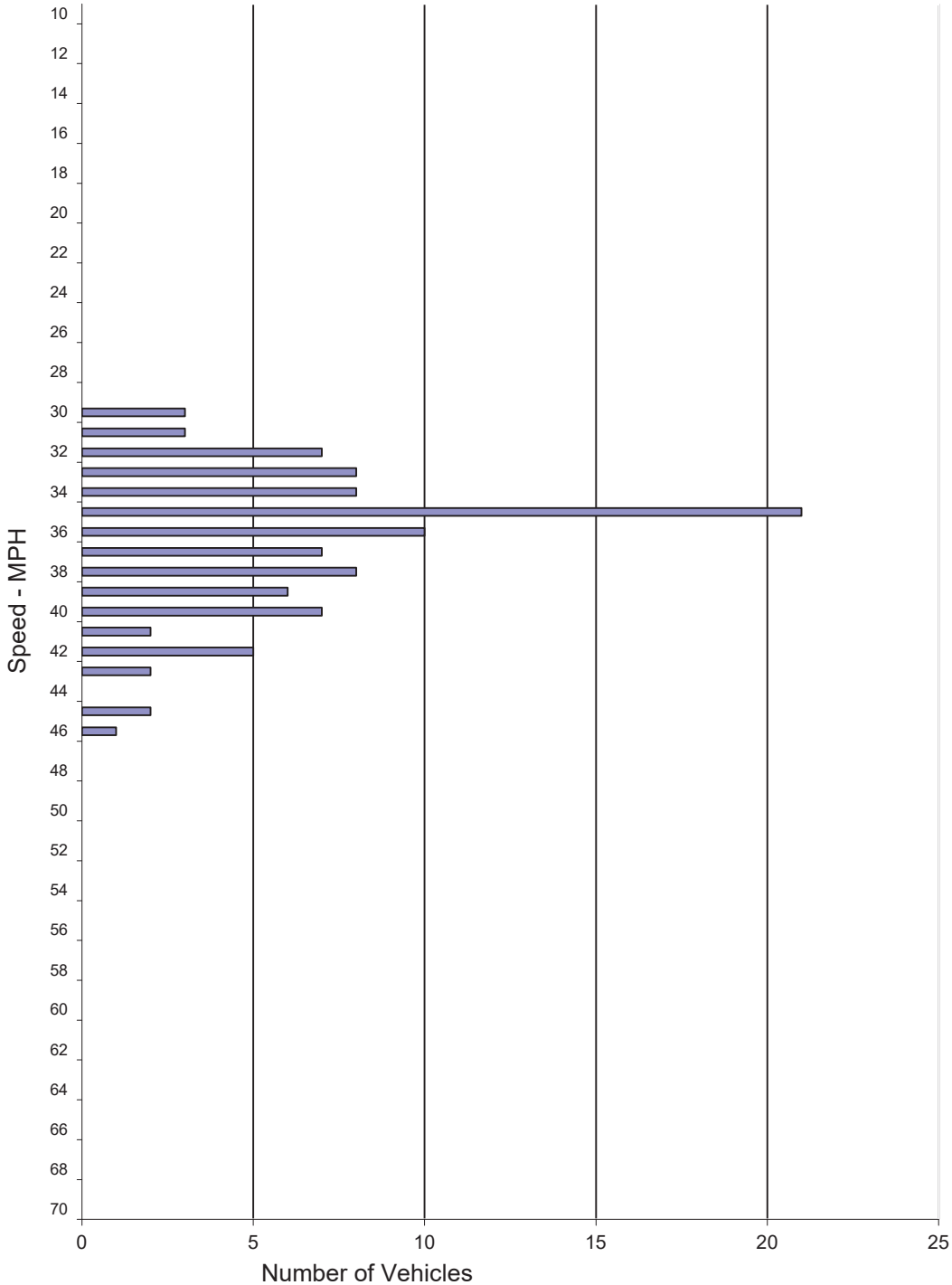
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** La Moree Rd E/O Camino De La Cima
TIME: 10:00-11:00 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-069

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
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19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	3
31	3
32	7
33	8
34	8
35	21
36	10
37	7
38	8
39	6
40	7
41	2
42	5
43	2
44	
45	2
46	1
47	
48	
49	
50	
51	
52	
53	
54	
55	
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57	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	30 - 46	35 mph	40 mph	31 - 40	85	85%	3% / 3	12% / 12

Roadway	Las Posas Road		
Segment	Avenida Leon (prev. N. Terminus) to Mission Rd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	46
Roadway Width (feet)	105	Recommended Speed Limit	45
No. of Striped Lanes	6	Collision Rate/Statewide Collision Rate*	1.37/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

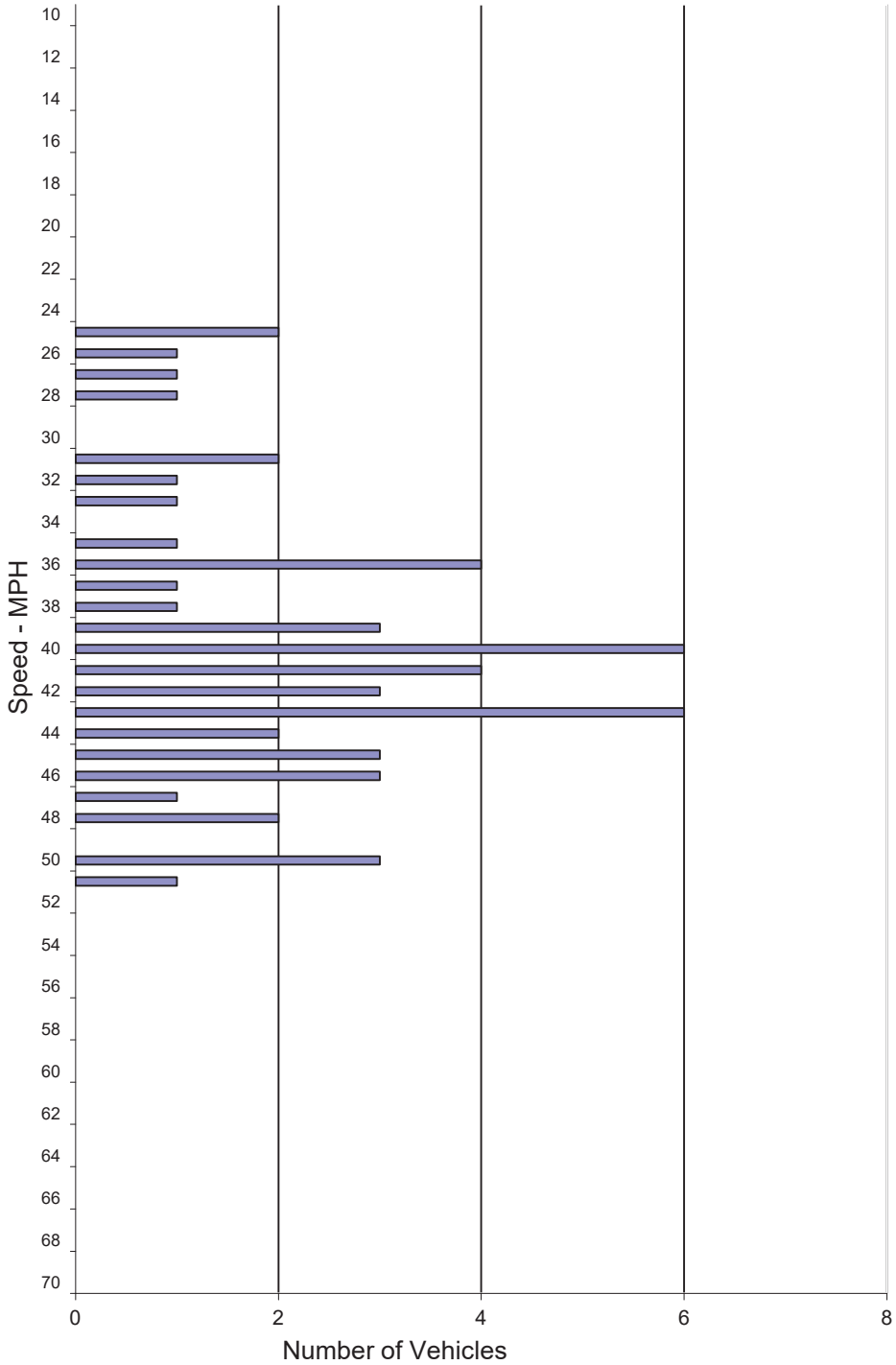
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** N Las Posas Rd S/O Camino Del Sol
TIME: 10:50-11:20 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-043

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	2
26	1
27	1
28	1
29	
30	
31	2
32	1
33	1
34	
35	1
36	4
37	1
38	1
39	3
40	6
41	4
42	3
43	6
44	2
45	3
46	3
47	1
48	2
49	
50	3
51	1
52	
53	
54	
55	
56	
57	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	53	25 - 51	41 mph	46 mph	36 - 45	33	62%	18% / 10	19% / 10

Spot Speed Study

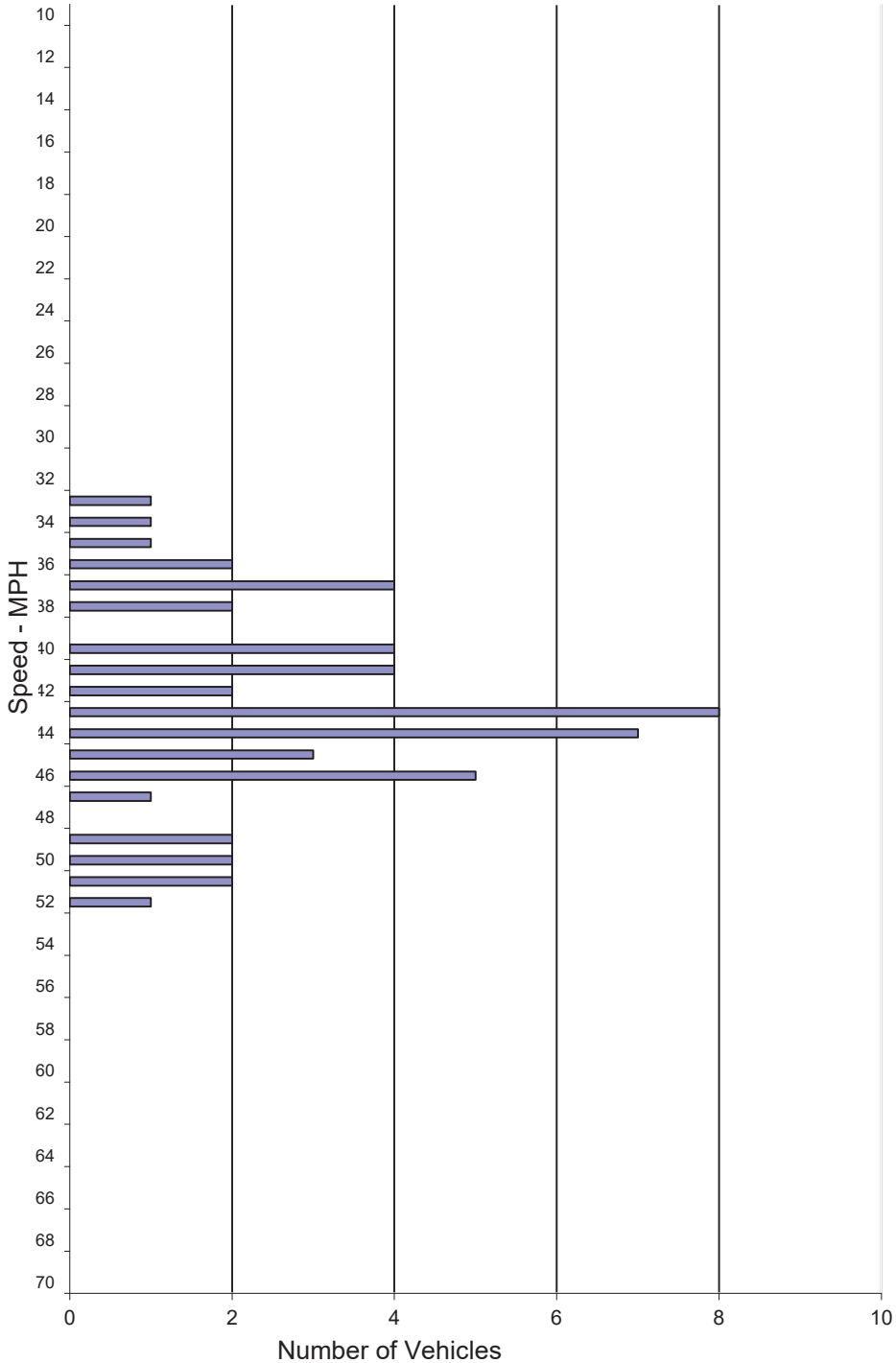
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** N Las Posas Rd S/O Camino Del Sol
TIME: 10:50-11:20 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-043

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	1
34	1
35	1
36	2
37	4
38	2
39	
40	4
41	4
42	2
43	8
44	7
45	3
46	5
47	1
48	
49	2
50	2
51	2
52	1
53	
54	
55	
56	
57	
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59	
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61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	52	33 - 52	43 mph	47 mph	37 - 46	39	75%	9% / 5	16% / 8

Spot Speed Study

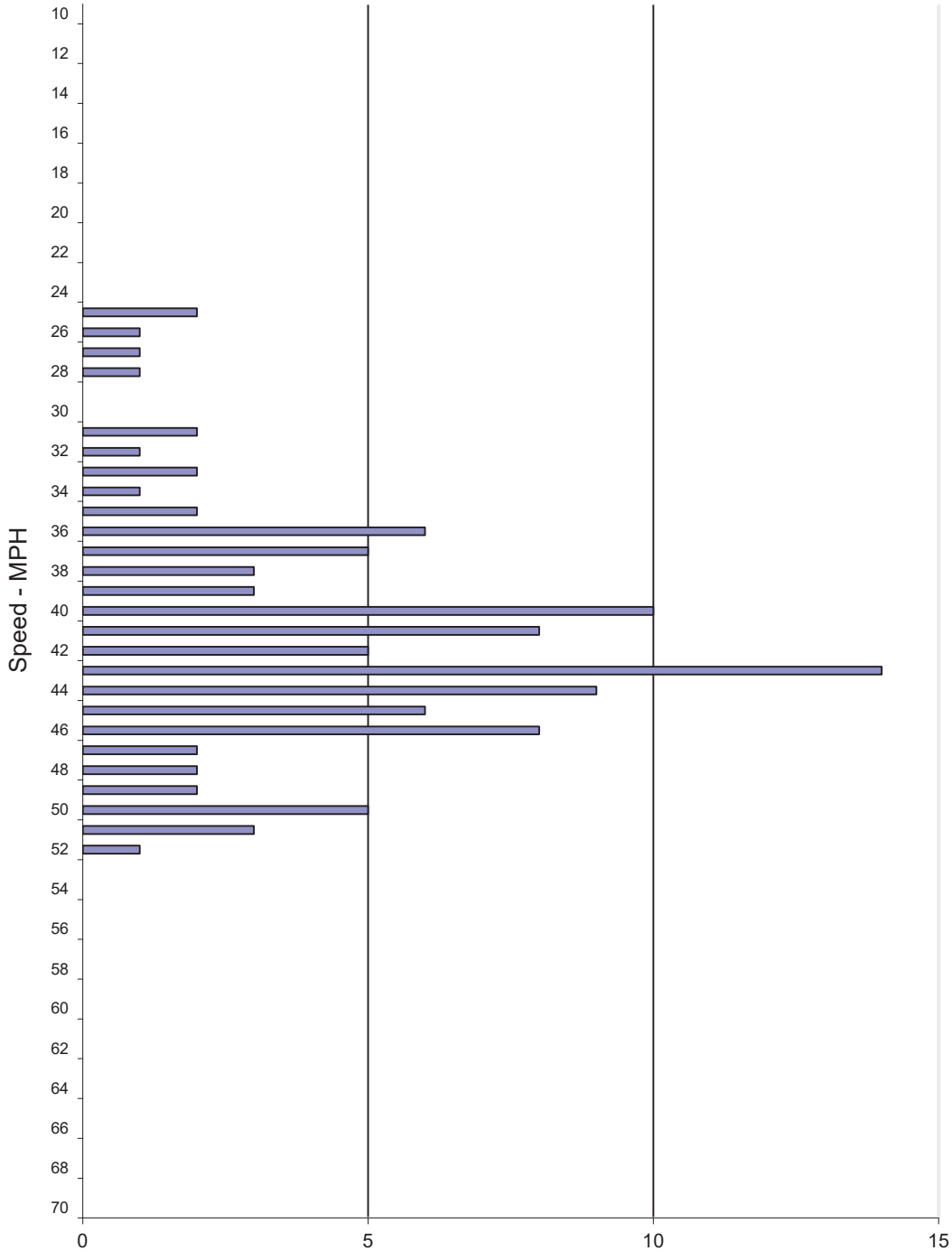
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** N Las Posas Rd S/O Camino Del Sol
TIME: 10:50-11:20 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-043

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
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18	
19	
20	
21	
22	
23	
24	
25	2
26	1
27	1
28	1
29	
30	
31	2
32	1
33	2
34	1
35	2
36	6
37	5
38	3
39	3
40	10
41	8
42	5
43	14
44	9
45	6
46	8
47	2
48	2
49	2
50	5
51	3
52	1
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	105	25 - 52	42 mph	46 mph	37 - 46	71	68%	18% / 19	15% / 15

Roadway	Las Posas Road		
Segment	Mission Rd to Grand Ave		
Pedestrian Facilities	Intermittent	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	50
Roadway Width (feet)	108	Recommended Speed Limit	45
No. of Striped Lanes	6	Collision Rate/Statewide Collision Rate*	0.44/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

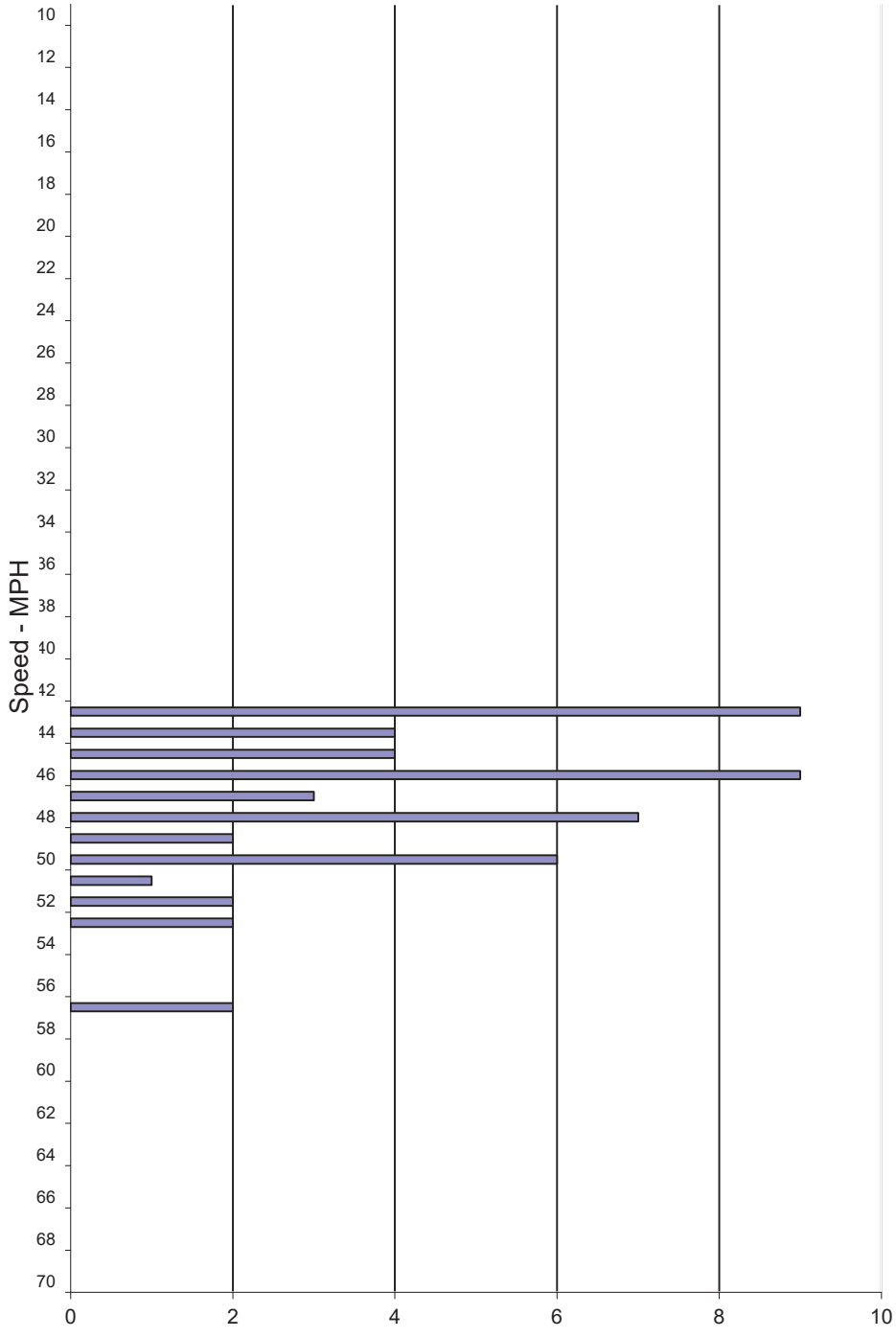
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** S Las Posas Rd N/O Grand Ave
TIME: 14:36-15:04 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-028

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
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22	
23	
24	
25	
26	
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31	
32	
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34	
35	
36	
37	
38	
39	
40	
41	
42	
43	9
44	4
45	4
46	9
47	3
48	7
49	2
50	6
51	1
52	2
53	2
54	
55	
56	
57	2
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	51	43 - 57	46 mph	50 mph	43 - 52	47	92%	0% / 0	8% / 4

Spot Speed Study

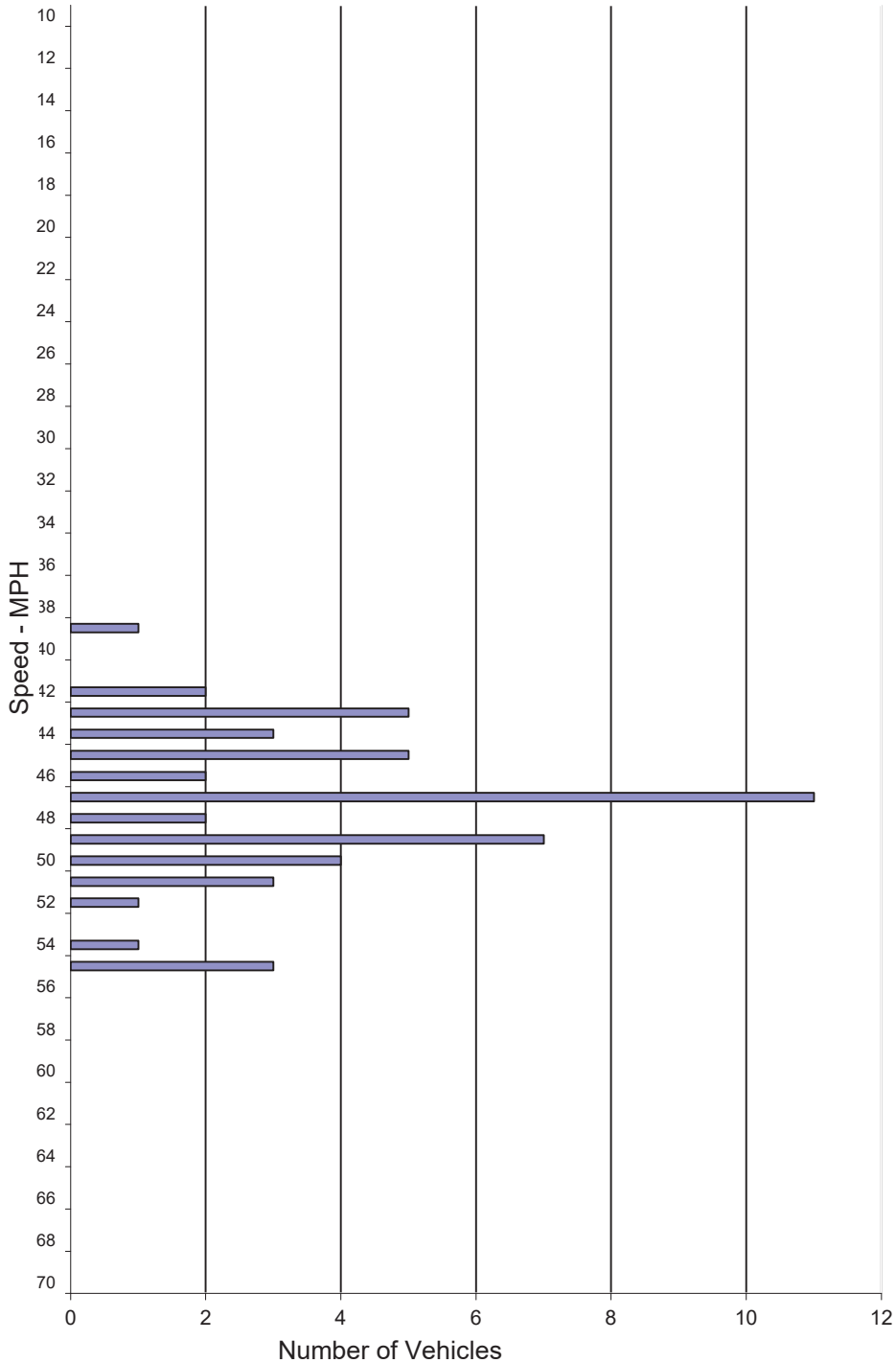
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** S Las Posas Rd N/O Grand Ave
TIME: 14:36-15:04 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-028

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	1
40	
41	
42	2
43	5
44	3
45	5
46	2
47	11
48	2
49	7
50	4
51	3
52	1
53	
54	1
55	3
56	
57	
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59	
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61	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	39 - 55	47 mph	51 mph	42 - 51	44	88%	2% / 1	10% / 5

Spot Speed Study

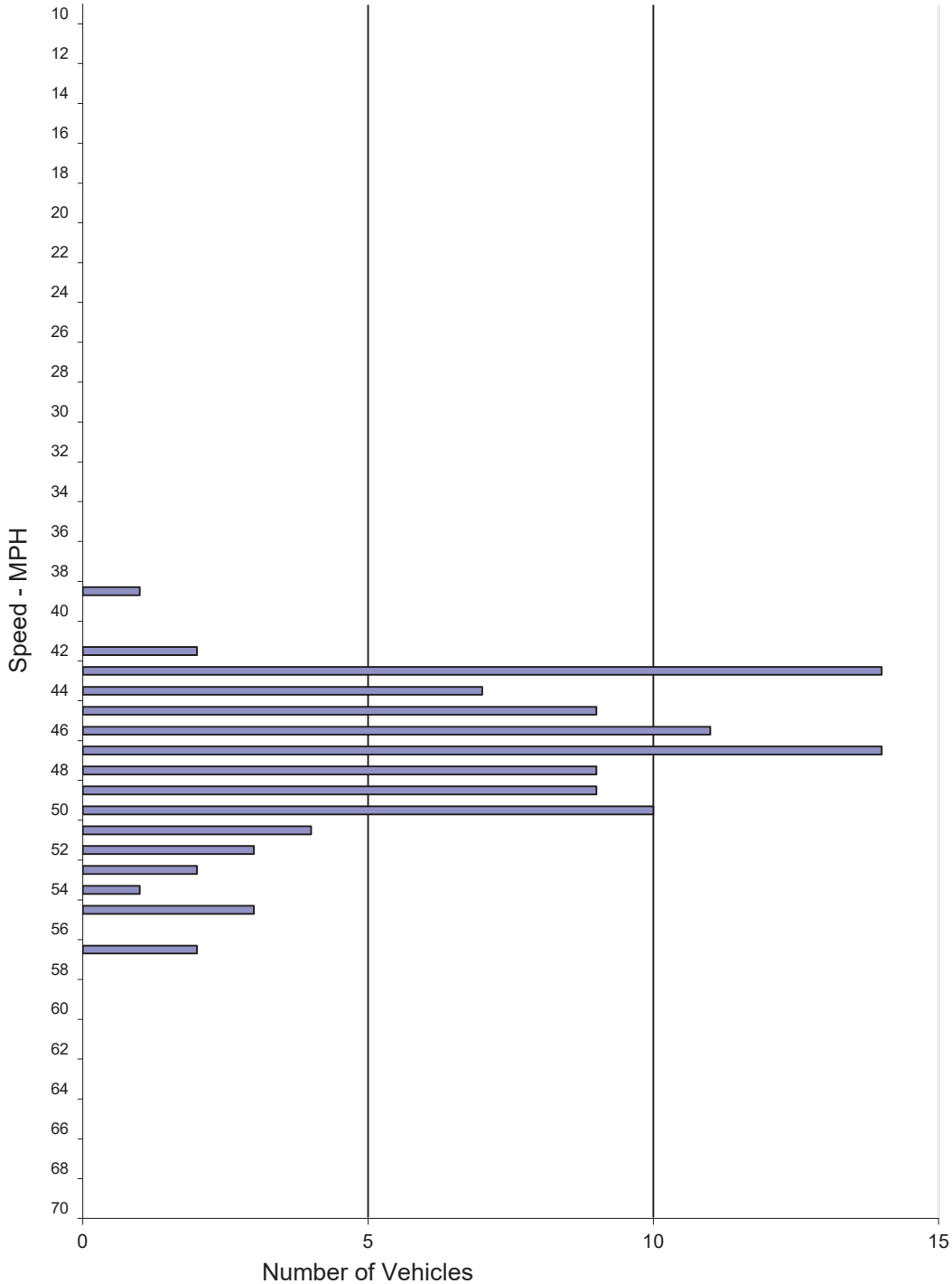
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** S Las Posas Rd N/O Grand Ave
TIME: 14:36-15:04 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-028

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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31	
32	
33	
34	
35	
36	
37	
38	
39	1
40	
41	
42	2
43	14
44	7
45	9
46	11
47	14
48	9
49	9
50	10
51	4
52	3
53	2
54	1
55	3
56	
57	2
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	101	39 - 57	47 mph	50 mph	43 - 52	90	89%	2% / 3	8% / 8

Roadway	Las Posas Road		
Segment	Grand Ave to San Marcos Blvd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	43
Roadway Width (feet)	62	Recommended Speed Limit	40
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.72/0.96
Median	Raised / Center Left Turn Lane	2019, District 11, Urban, 4Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Las Posas Road **Segment:** Grand Avenue to San Marcos Blvd

Date/Time: 5/7/2024 1:30 PM - 2:07 PM **Direction:** North-South

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	1%	100%
55			
	X	1%	99%
50			
	X X	2%	98%
	X	1%	96%
	X	1%	95%
	X X	2%	94%
45	X X X	3%	92%
	X X X X	4%	89%
	X X X X X X X X X X	10%	85%
	X X X	3%	75%
	X X	2%	72%
40	X X X X X X X X	8%	70%
	X X X X X	5%	62%
	X X X X X X X X X X X X X	13%	57%
	X X X X X X X	7%	44%
	X X X X X	5%	37%
35	X X X X X X	6%	32%
	X X X X X X X	7%	26%
	X X	2%	19%
	X X X X	4%	17%
	X X X	3%	13%
30	X X X X X X X	7%	10%
	X	1%	3%
	X X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	38 mph	43 mph	34-43 mph	66	66%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Las Posas Road **Segment:** Grand Avenue to San Marcos Blvd

Date/Time: 5/7/2024 1:30 PM - 2:07 PM **Direction:** North

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
	X	2%	100%
50			
	X X	4%	98%
45	X	2%	94%
	X X	4%	92%
	X X	4%	88%
	X X	4%	84%
	X X	4%	80%
40	X X	4%	76%
	X X	4%	72%
	X X X X X X	12%	68%
	X X	4%	56%
	X X X	6%	52%
35	X X X	6%	46%
	X X X	6%	40%
	X X	4%	34%
	X X X	6%	30%
	X X X	6%	24%
30	X X X X X X	12%	18%
	X	2%	6%
	X X	4%	4%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	36 mph	43 mph	30-39 mph	33	66%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Las Posas Road **Segment:** Grand Avenue to San Marcos Blvd

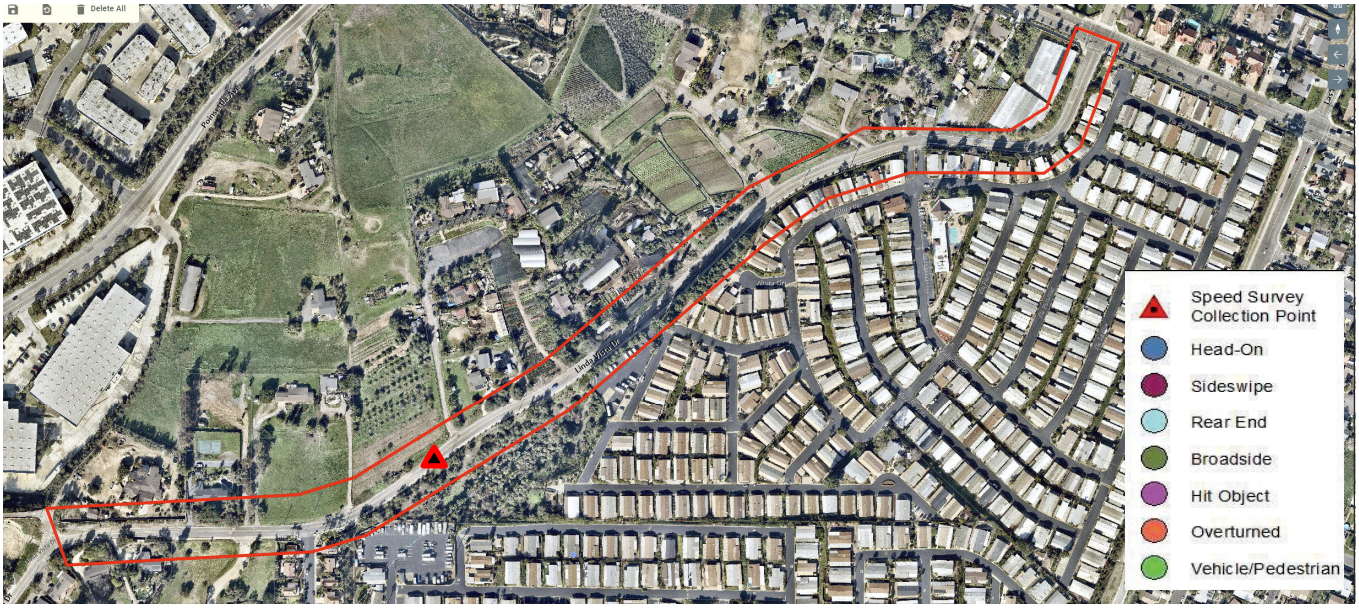
Date/Time: 5/7/2024 1:30 PM - 2:07 PM **Direction:** South

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	2%	100%
55			
50			
	X X	4%	98%
	X	2%	94%
	X	2%	92%
45	X X	4%	90%
	X X	4%	86%
	X X X X X X X X	16%	82%
	X	2%	66%
40	X X X X X X	12%	64%
	X X X	6%	52%
	X X X X X X X	14%	46%
	X X X X X	10%	32%
	X X	4%	22%
35	X X X	6%	18%
	X X X X	8%	12%
	X	2%	4%
30	X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	39 mph	44 mph	34-43 mph	39	78%

Roadway	Linda Vista Drive		
Segment	Western City Limits to W Linda Vista Drive		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	35
Roadway Width (feet)	70	Recommended Speed Limit	30
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0/1.33
Median	Raised	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

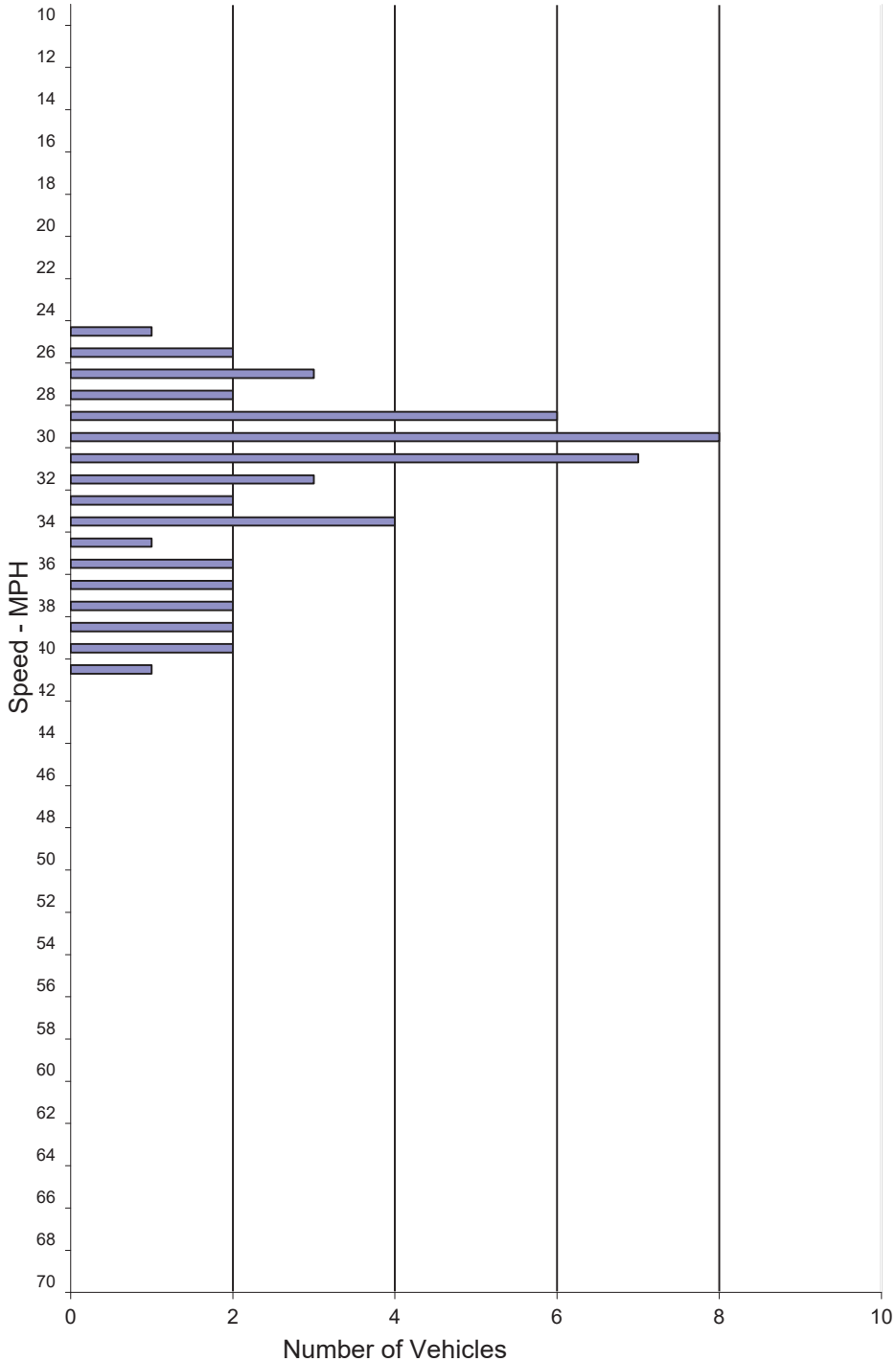
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** Linda Vista Dr E/O Hillhaven Dr
TIME: 13:40-15:40 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-085

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	1
26	2
27	3
28	2
29	6
30	8
31	7
32	3
33	2
34	4
35	1
36	2
37	2
38	2
39	2
40	2
41	1
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	25 - 41	31 mph	37 mph	25 - 34	38	76%	0% / 0	24% / 12

Spot Speed Study

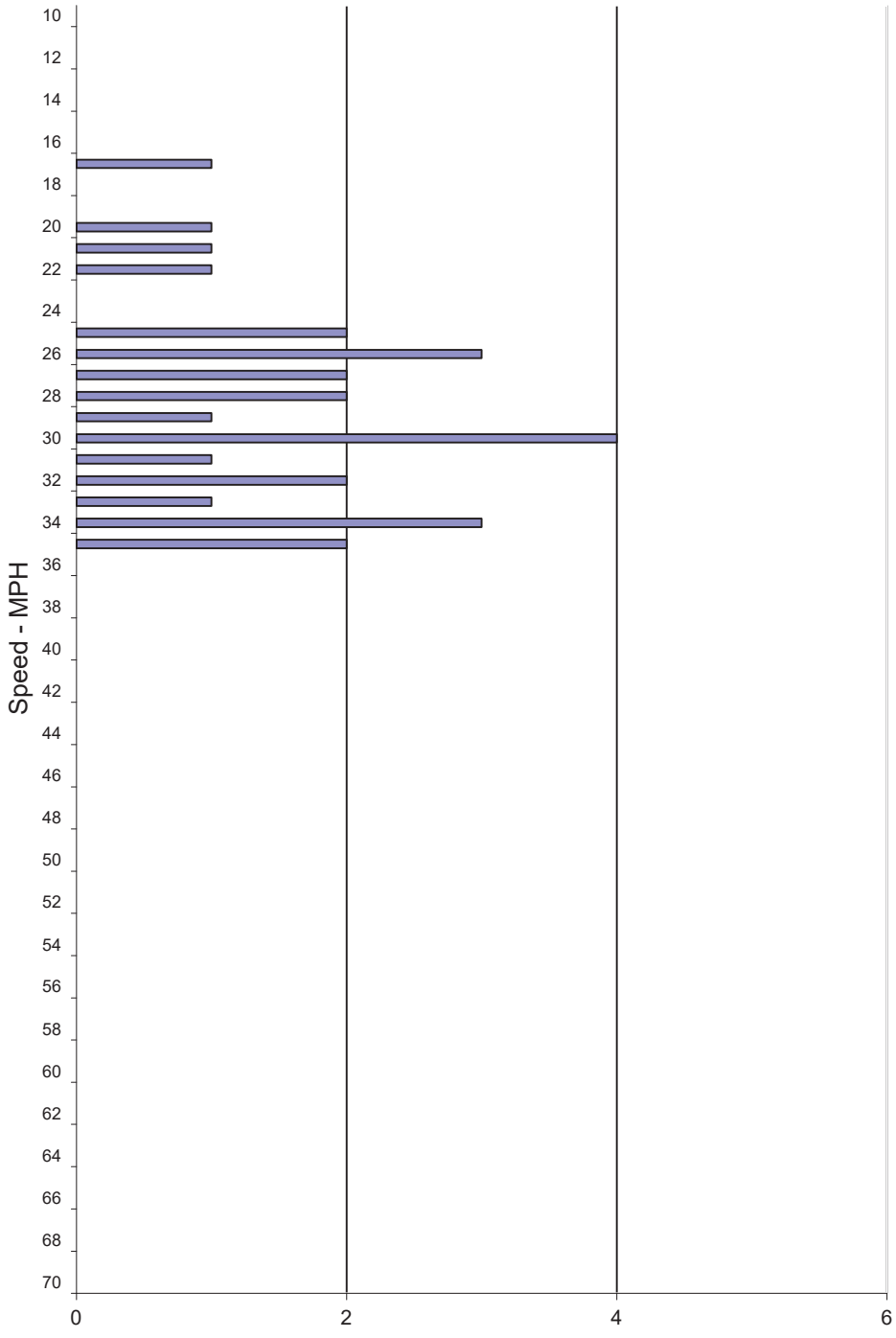
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** Linda Vista Dr E/O Hillhaven Dr
TIME: 13:40-15:40 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-085

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	1
18	
19	
20	1
21	1
22	1
23	
24	
25	2
26	3
27	2
28	2
29	1
30	4
31	1
32	2
33	1
34	3
35	2
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
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53	
54	
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56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	27	17 - 35	29 mph	34 mph	25 - 34	21	78%	14% / 4	8% / 2

Spot Speed Study

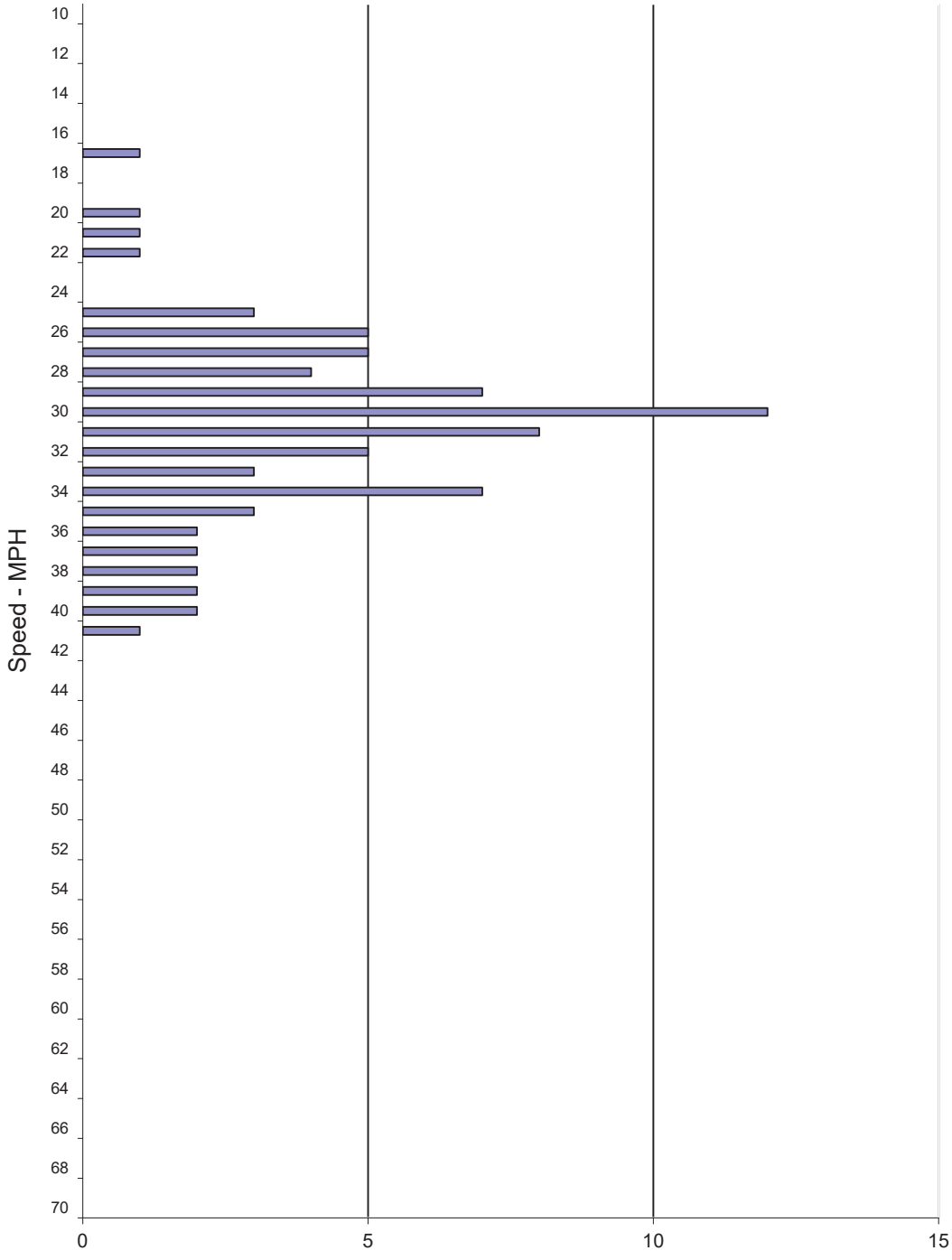
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** Linda Vista Dr E/O Hillhaven Dr
TIME: 13:40-15:40 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-085

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	1
18	
19	
20	1
21	1
22	1
23	
24	
25	3
26	5
27	5
28	4
29	7
30	12
31	8
32	5
33	3
34	7
35	3
36	2
37	2
38	2
39	2
40	2
41	1
42	
43	
44	
45	
46	
47	
48	
49	
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52	
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60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	77	17 - 41	30 mph	35 mph	25 - 34	59	77%	5% / 4	19% / 14

Roadway	Linda Vista Drive		
Segment	Tilley Ln to Rancho Santa Fe Rd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	35
Roadway Width (feet)	56	Recommended Speed Limit	35
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	1.52/0.84
Median	Center Left Turn Lane	2019, District 11, Urban, 4 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

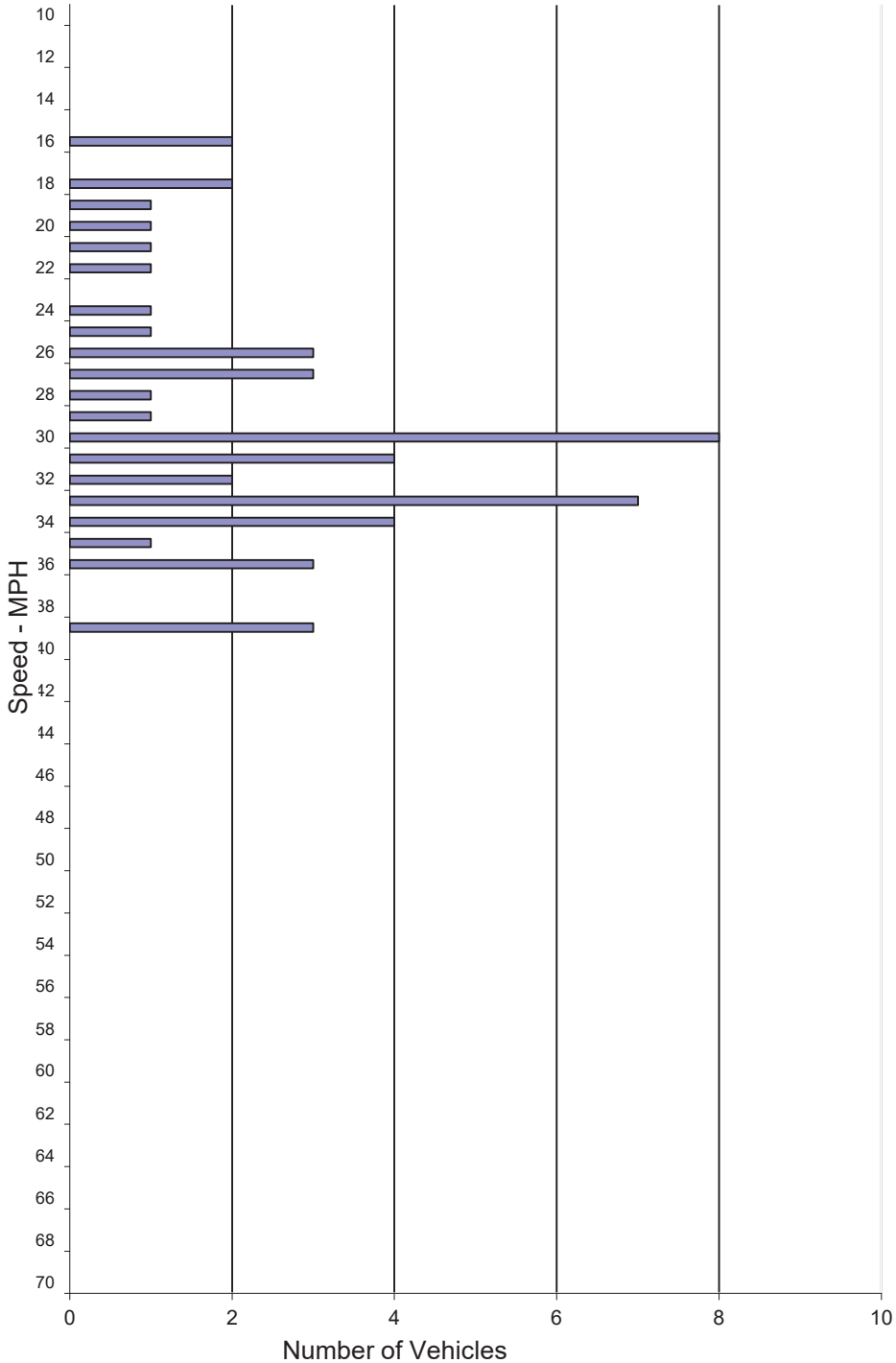
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** Linda Vista Dr Bet. Rancho Santa Fe Rd & Tilley Ln
TIME: 09:45-10:15 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-097

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	2
17	
18	2
19	1
20	1
21	1
22	1
23	
24	1
25	1
26	3
27	3
28	1
29	1
30	8
31	4
32	2
33	7
34	4
35	1
36	3
37	
38	
39	3
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	16 - 39	30 mph	34 mph	25 - 34	34	68%	18% / 9	14% / 7

Spot Speed Study

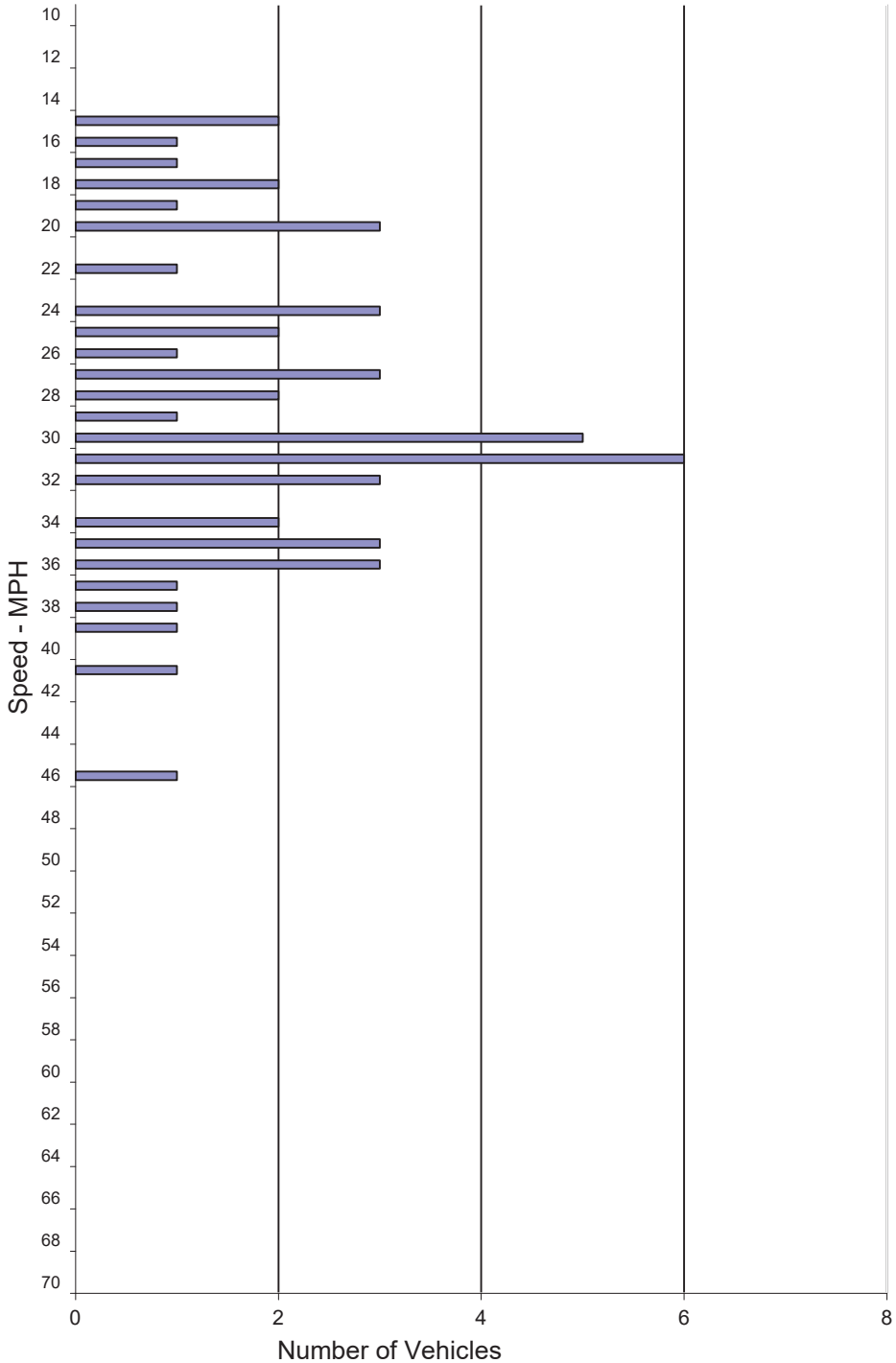
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** Linda Vista Dr Bet. Rancho Santa Fe Rd & Tilley Ln
TIME: 09:45-10:15 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-097

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	2
16	1
17	1
18	2
19	1
20	3
21	
22	1
23	
24	3
25	2
26	1
27	3
28	2
29	1
30	5
31	6
32	3
33	
34	2
35	3
36	3
37	1
38	1
39	1
40	
41	1
42	
43	
44	
45	
46	1
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	15 - 46	30 mph	36 mph	27 - 36	28	56%	34% / 17	10% / 5

Spot Speed Study

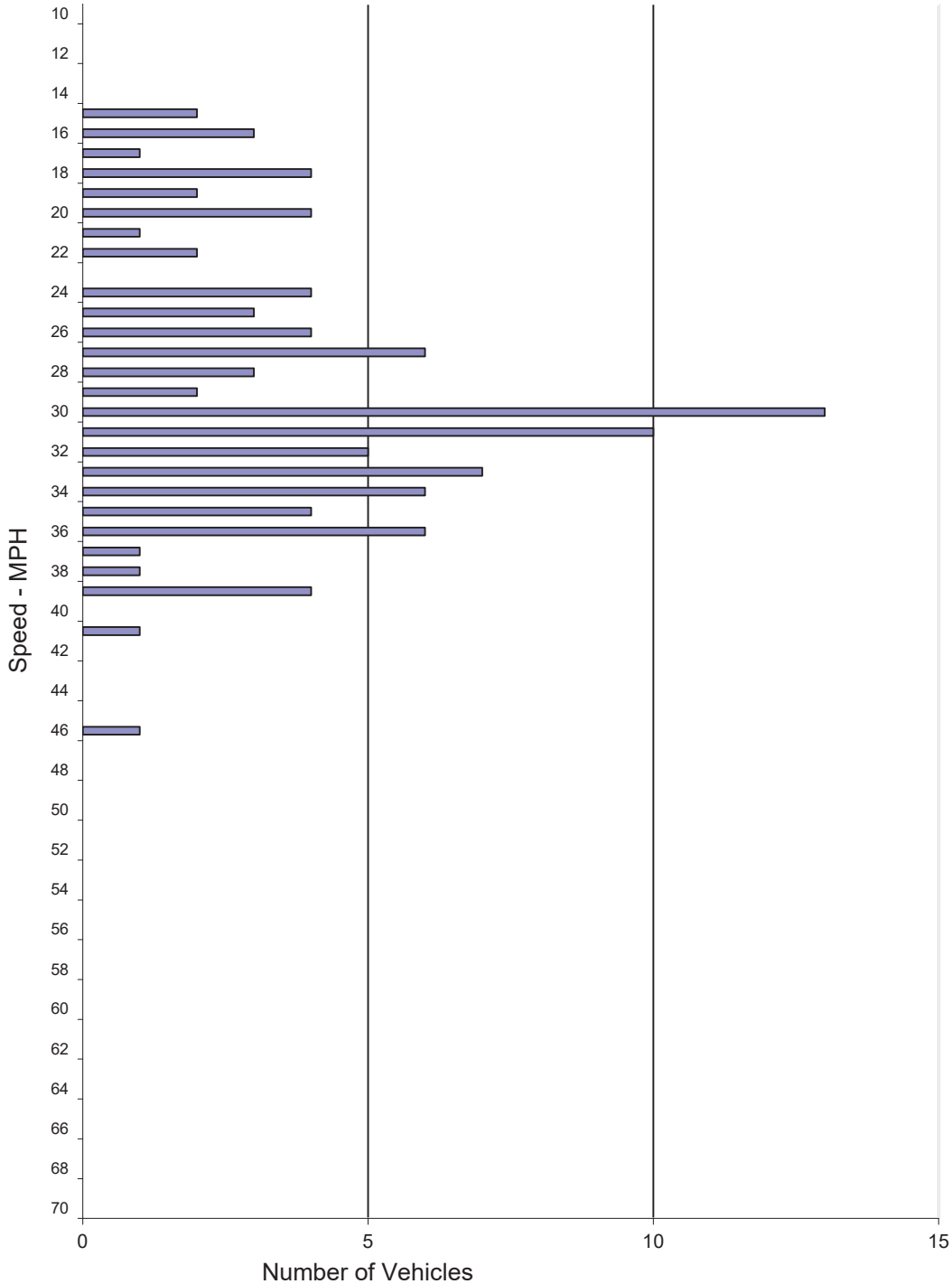
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** Linda Vista Dr Bet. Rancho Santa Fe Rd & Tilley Ln
TIME: 09:45-10:15 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-097

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	2
16	3
17	1
18	4
19	2
20	4
21	1
22	2
23	
24	4
25	3
26	4
27	6
28	3
29	2
30	13
31	10
32	5
33	7
34	6
35	4
36	6
37	1
38	1
39	4
40	
41	1
42	
43	
44	
45	
46	1
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	15 - 46	30 mph	35 mph	27 - 36	62	62%	30% / 30	8% / 8

Roadway	Linda Vista Drive		
Segment	Rancho Santa Fe Rd to Las Posas Rd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	35
Bicycle Facilities	Class II	85th Percentile Speed	37
Roadway Width (feet)	62	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0/1.33
Median	Center Left Turn Lane	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

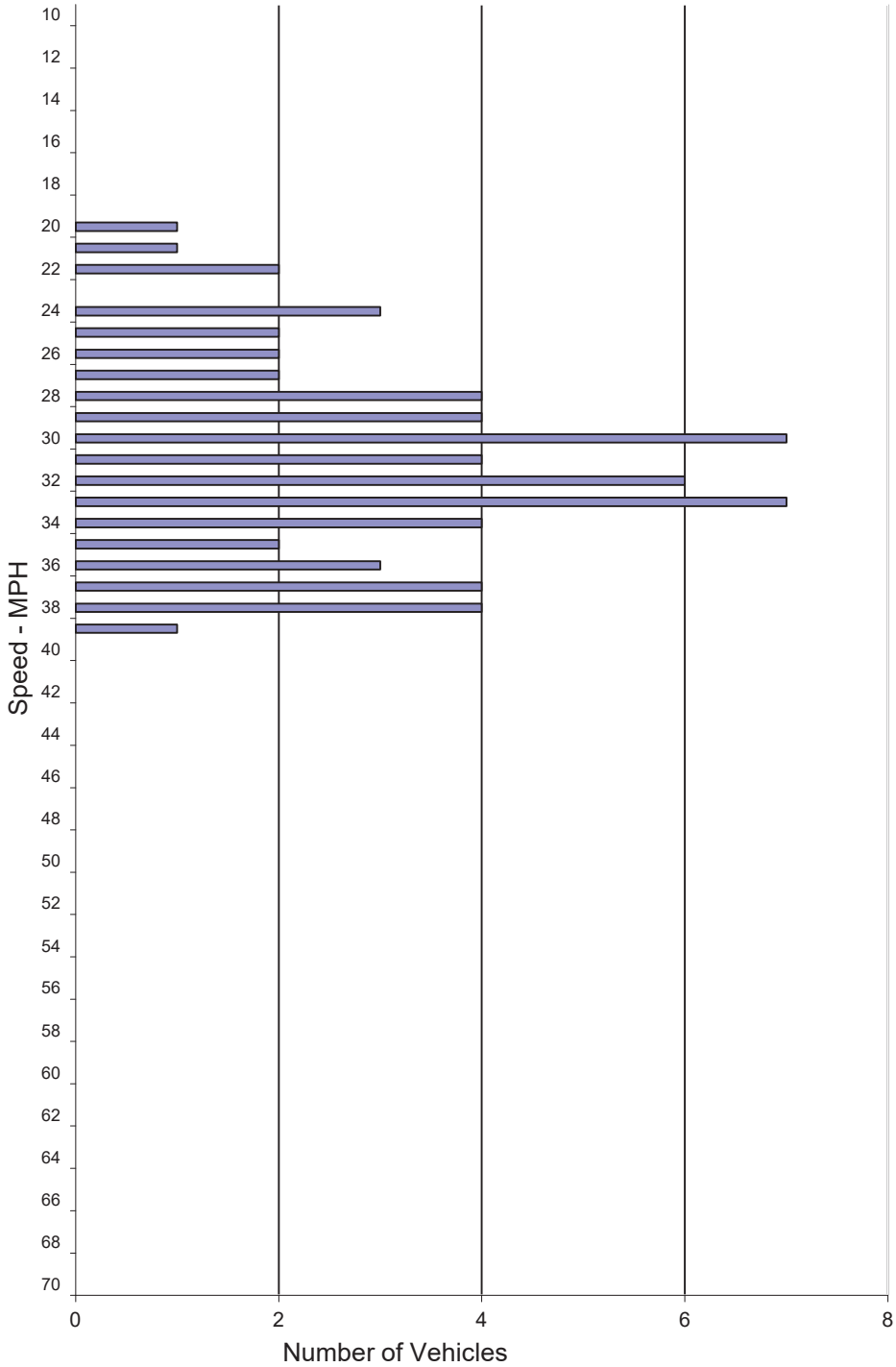
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** Linda Vista Dr E/O S Pacific St
TIME: 10:37-10:55 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-060

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	1
22	2
23	
24	3
25	2
26	2
27	2
28	4
29	4
30	7
31	4
32	6
33	7
34	4
35	2
36	3
37	4
38	4
39	1
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	63	20 - 39	31 mph	36 mph	28 - 37	45	71%	20% / 13	8% / 5

Spot Speed Study

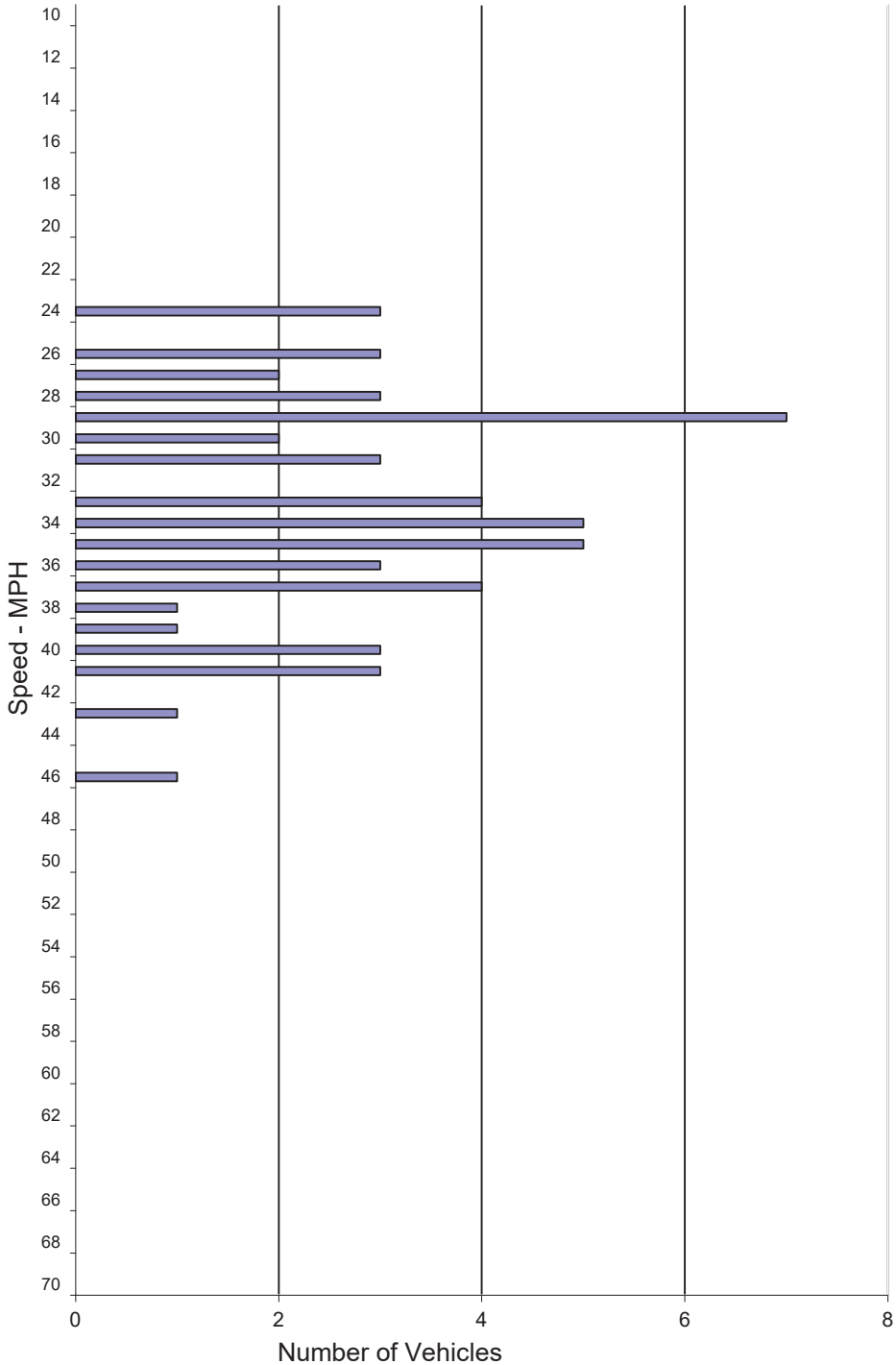
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** Linda Vista Dr E/O S Pacific St
TIME: 10:37-10:55 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-060

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	3
25	
26	3
27	2
28	3
29	7
30	2
31	3
32	
33	4
34	5
35	5
36	3
37	4
38	1
39	1
40	3
41	3
42	
43	1
44	
45	
46	1
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	54	24 - 46	33 mph	39 mph	28 - 37	36	67%	14% / 8	19% / 10

Spot Speed Study

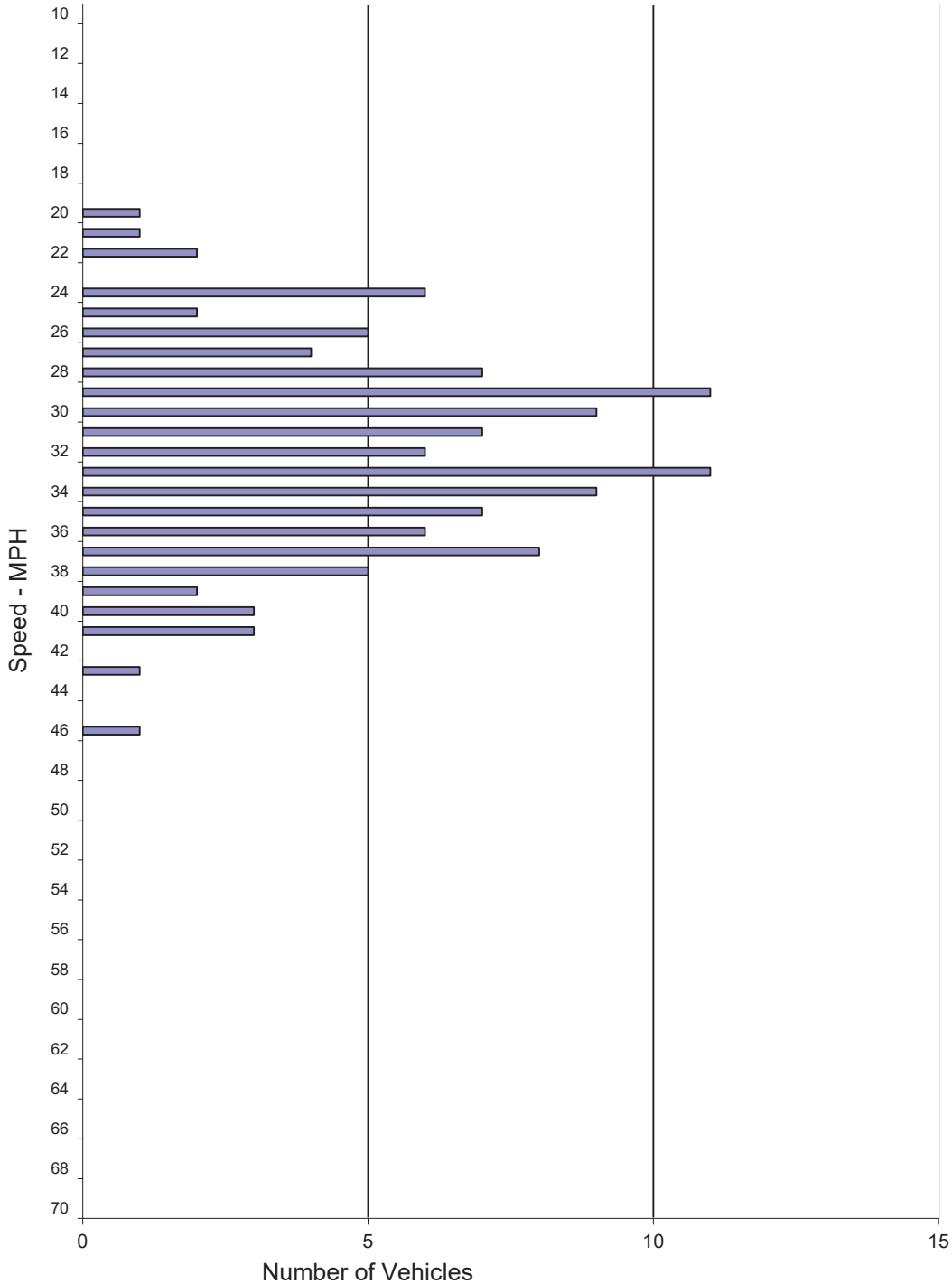
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** Linda Vista Dr E/O S Pacific St
TIME: 10:37-10:55 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-060

Eastbound & Westbound Spot Speeds

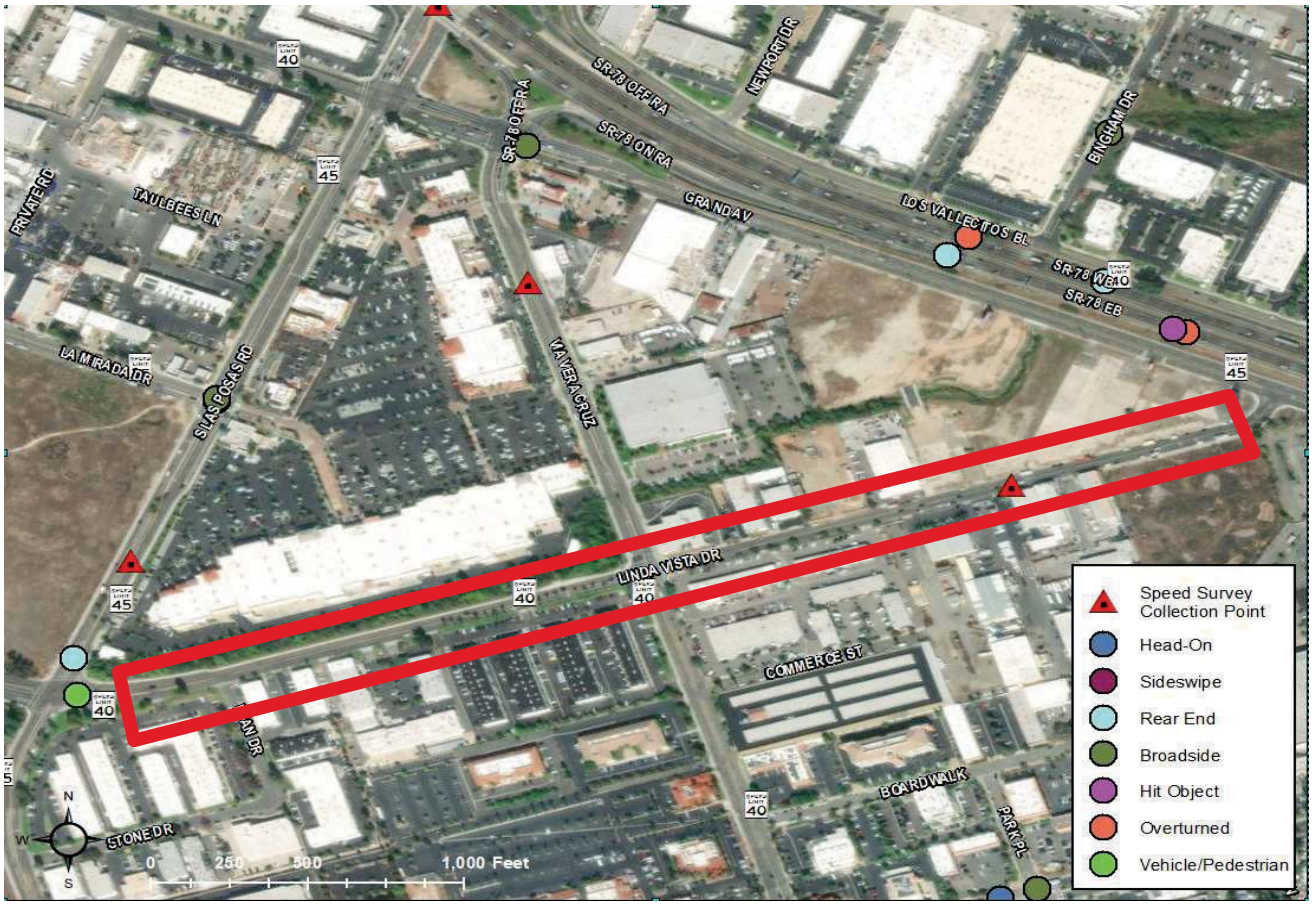
Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	1
22	2
23	
24	6
25	2
26	5
27	4
28	7
29	11
30	9
31	7
32	6
33	11
34	9
35	7
36	6
37	8
38	5
39	2
40	3
41	3
42	
43	1
44	
45	
46	1
47	
48	
49	
50	
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60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	117	20 - 46	32 mph	37 mph	28 - 37	81	69%	17% / 21	13% / 15

Roadway	Linda Vista Drive		
Segment	Las Posas Rd to Grand Ave		
Pedestrian Facilities	No	Posted Speed Limit	40
Bicycle Facilities	No	85th Percentile Speed	37
Roadway Width (feet)	45	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	1.74/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

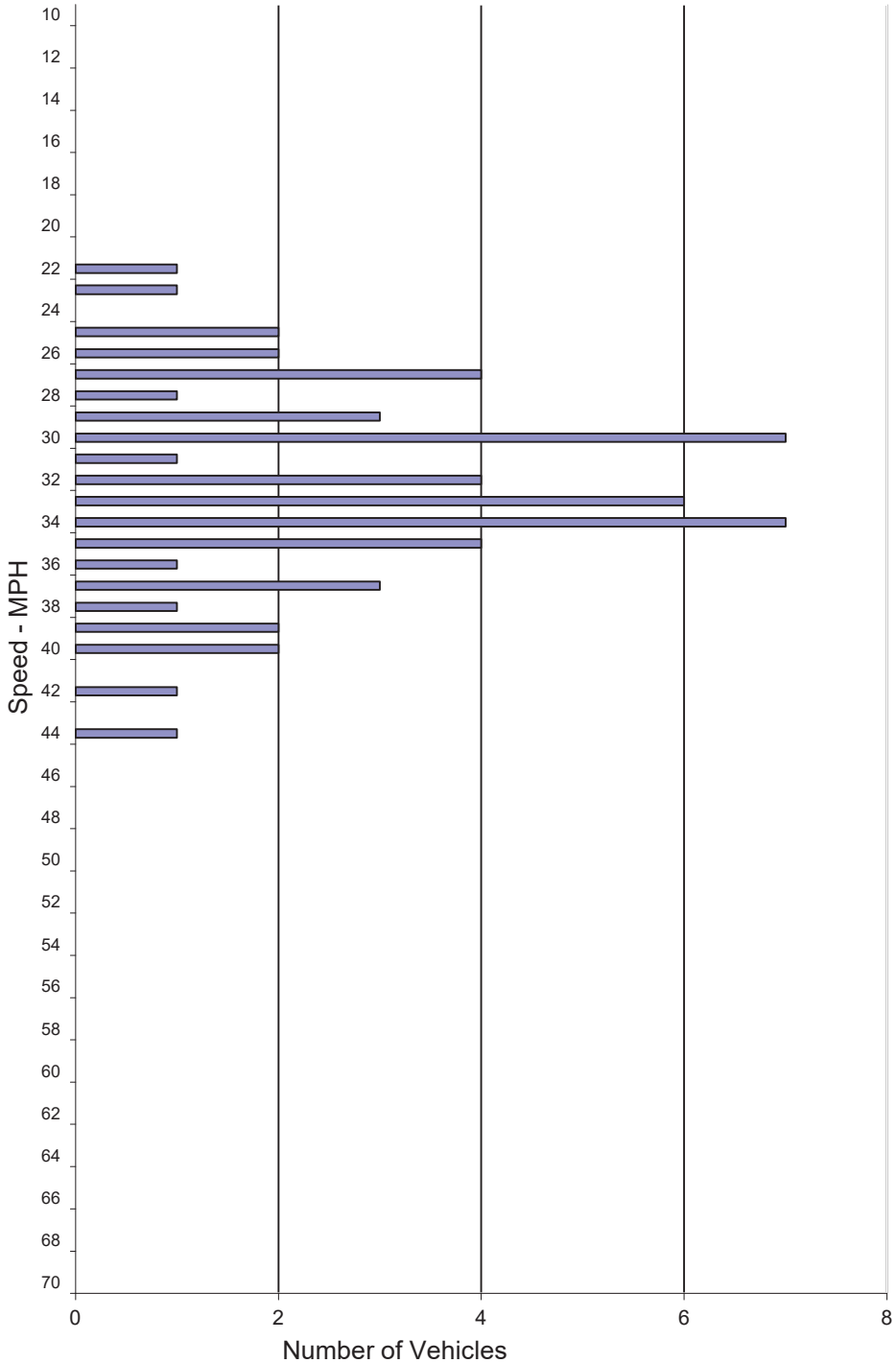
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Linda Vista Dr W/O Grand Ave
TIME: 09:51-10:41 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-029

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	1
23	1
24	
25	2
26	2
27	4
28	1
29	3
30	7
31	1
32	4
33	6
34	7
35	4
36	1
37	3
38	1
39	2
40	2
41	
42	1
43	
44	1
45	
46	
47	
48	
49	
50	
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55	
56	
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58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	54	22 - 44	33 mph	37 mph	26 - 35	39	72%	7% / 4	21% / 11

Spot Speed Study

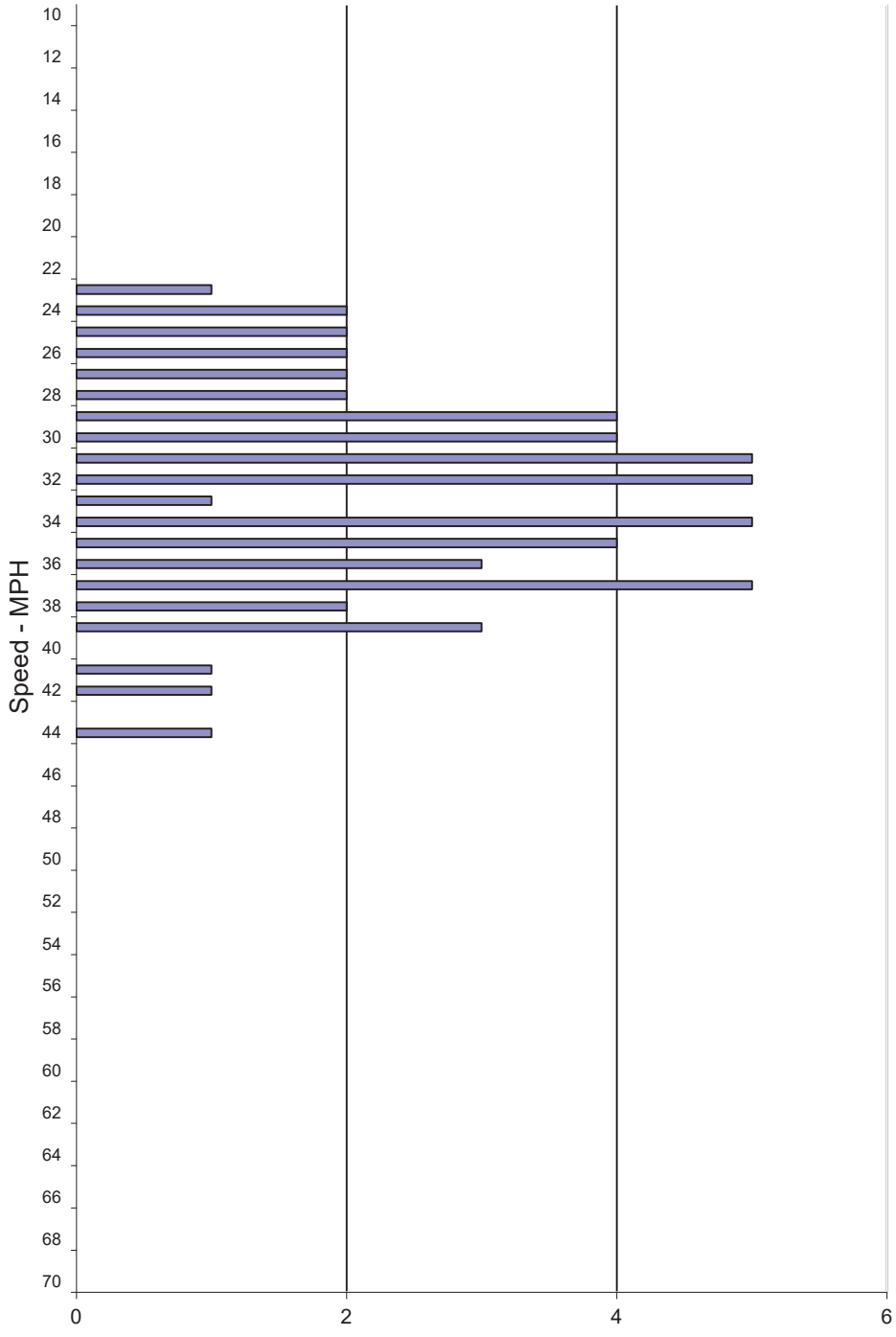
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Linda Vista Dr W/O Grand Ave
TIME: 09:51-10:41 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-029

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	2
25	2
26	2
27	2
28	2
29	4
30	4
31	5
32	5
33	1
34	5
35	4
36	3
37	5
38	2
39	3
40	
41	1
42	1
43	
44	1
45	
46	
47	
48	
49	
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57	
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60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	23 - 44	32 mph	37 mph	28 - 37	38	69%	16% / 9	15% / 8

Spot Speed Study

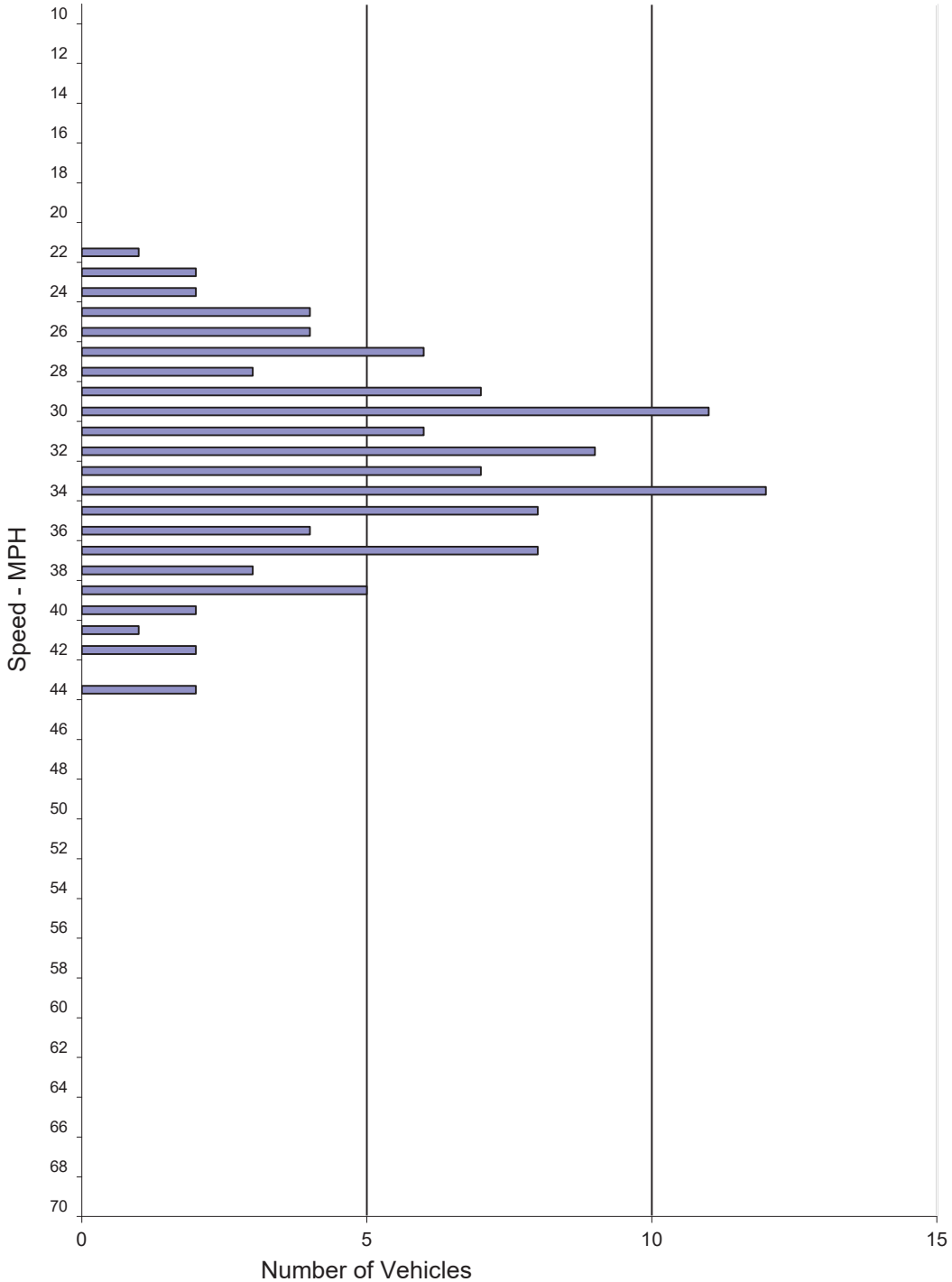
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Linda Vista Dr W/O Grand Ave
TIME: 09:51-10:41 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-029

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	1
23	2
24	2
25	4
26	4
27	6
28	3
29	7
30	11
31	6
32	9
33	7
34	12
35	8
36	4
37	8
38	3
39	5
40	2
41	1
42	2
43	
44	2
45	
46	
47	
48	
49	
50	
51	
52	
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54	
55	
56	
57	
58	
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60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	109	22 - 44	32 mph	37 mph	28 - 37	75	69%	17% / 19	14% / 15

Roadway	Los Vallecitos Boulevard		
Segment	Las Posas Rd to Knoll Rd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	40
Bicycle Facilities	No	85th Percentile Speed	42
Roadway Width (feet)	32	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.99/1.33
Median	Center Left Turn Lane	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

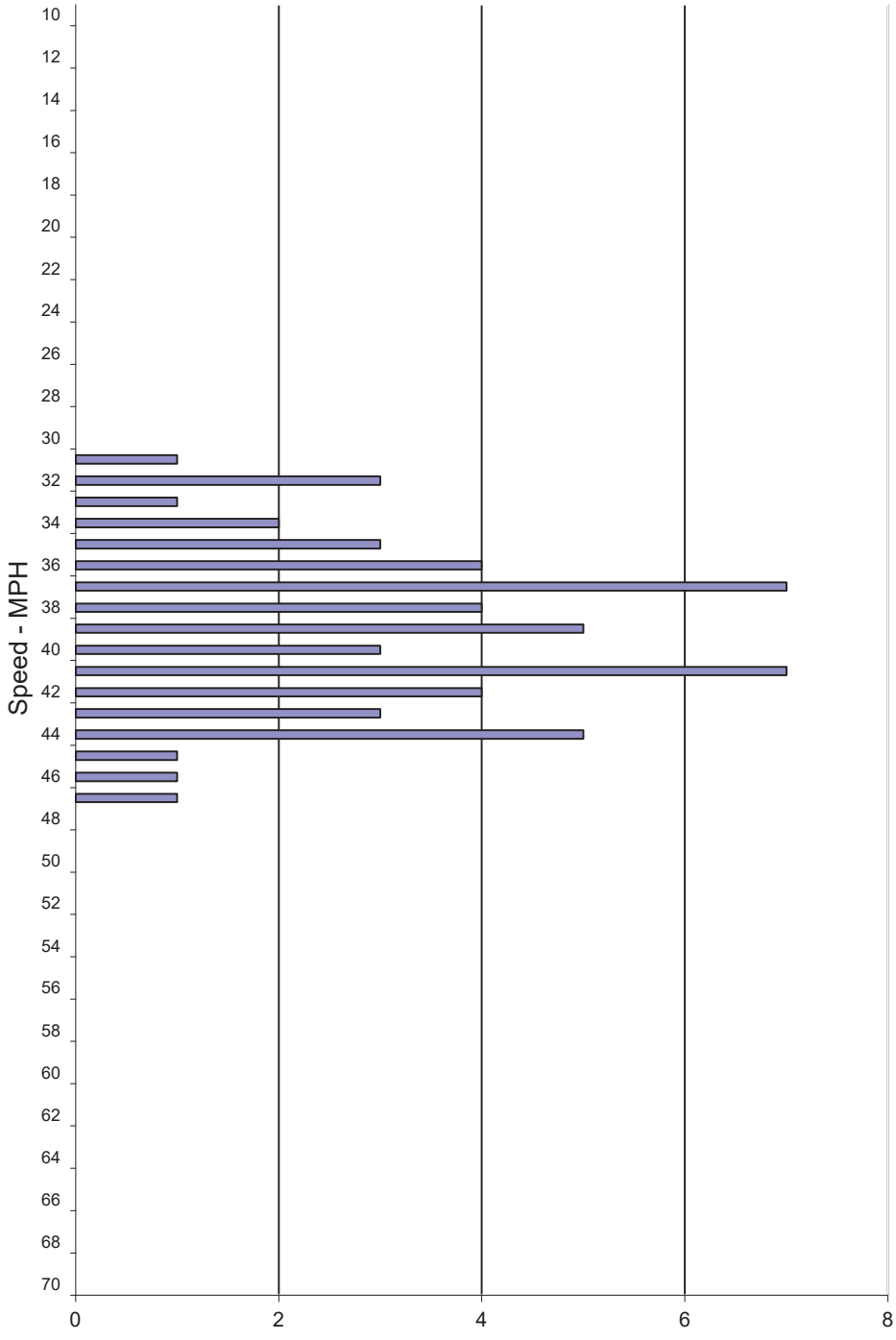
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** Furniture Row/Los Vallecitos Blvd W/O Vallecitos De Oro
TIME: 09:00-09:50 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-080

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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22	
23	
24	
25	
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27	
28	
29	
30	
31	1
32	3
33	1
34	2
35	3
36	4
37	7
38	4
39	5
40	3
41	7
42	4
43	3
44	5
45	1
46	1
47	1
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
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59	
60	
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62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	31 - 47	39 mph	43 mph	35 - 44	45	82%	12% / 7	6% / 3

Spot Speed Study

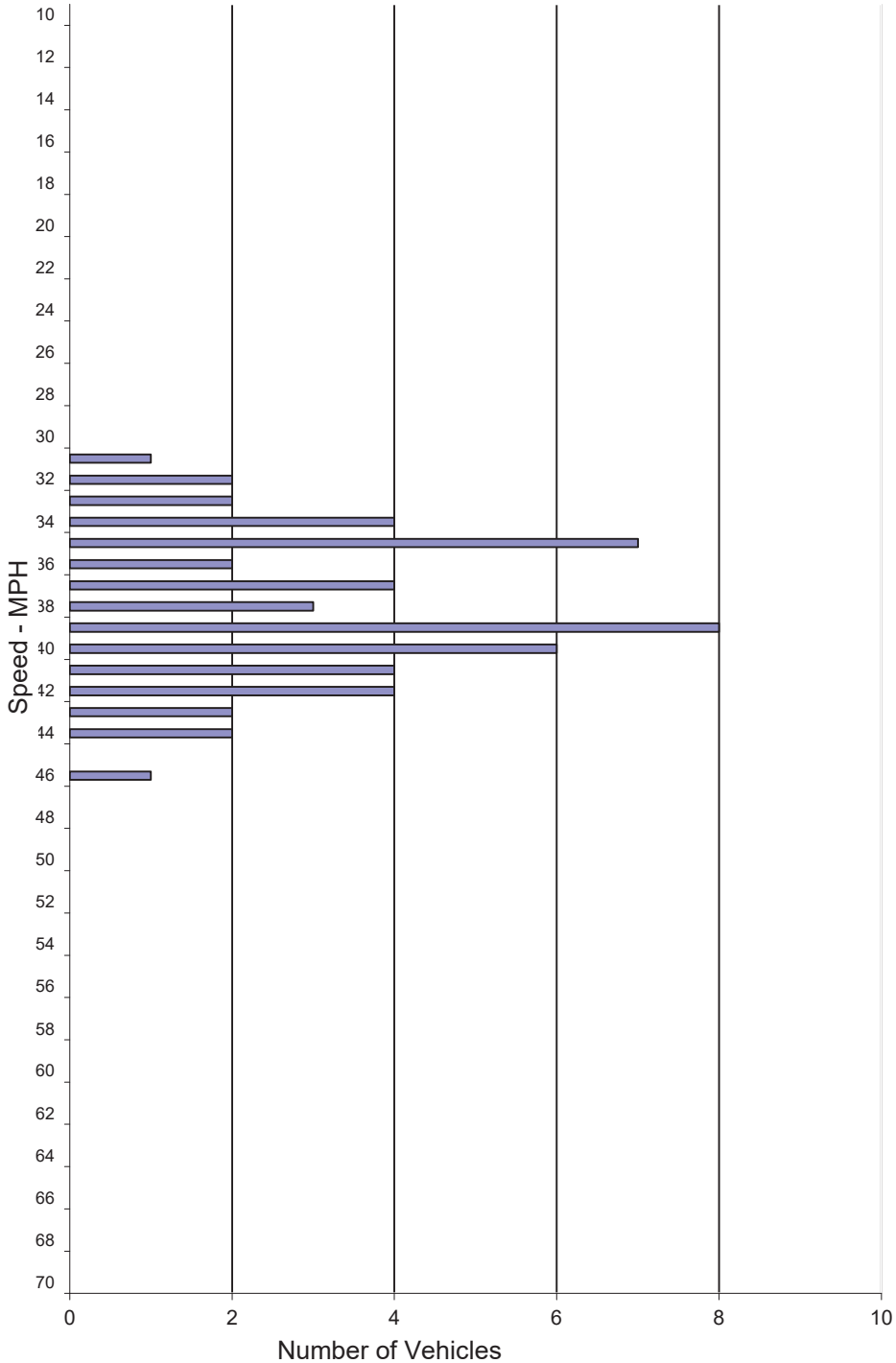
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** Furniture Row/Los Vallecitos Blvd W/O Vallecitos De Oro
TIME: 09:00-09:50 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-080

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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14	
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22	
23	
24	
25	
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27	
28	
29	
30	
31	1
32	2
33	2
34	4
35	7
36	2
37	4
38	3
39	8
40	6
41	4
42	4
43	2
44	2
45	
46	1
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62	
63	
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65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	52	31 - 46	39 mph	42 mph	33 - 42	44	85%	5% / 3	10% / 5

Spot Speed Study

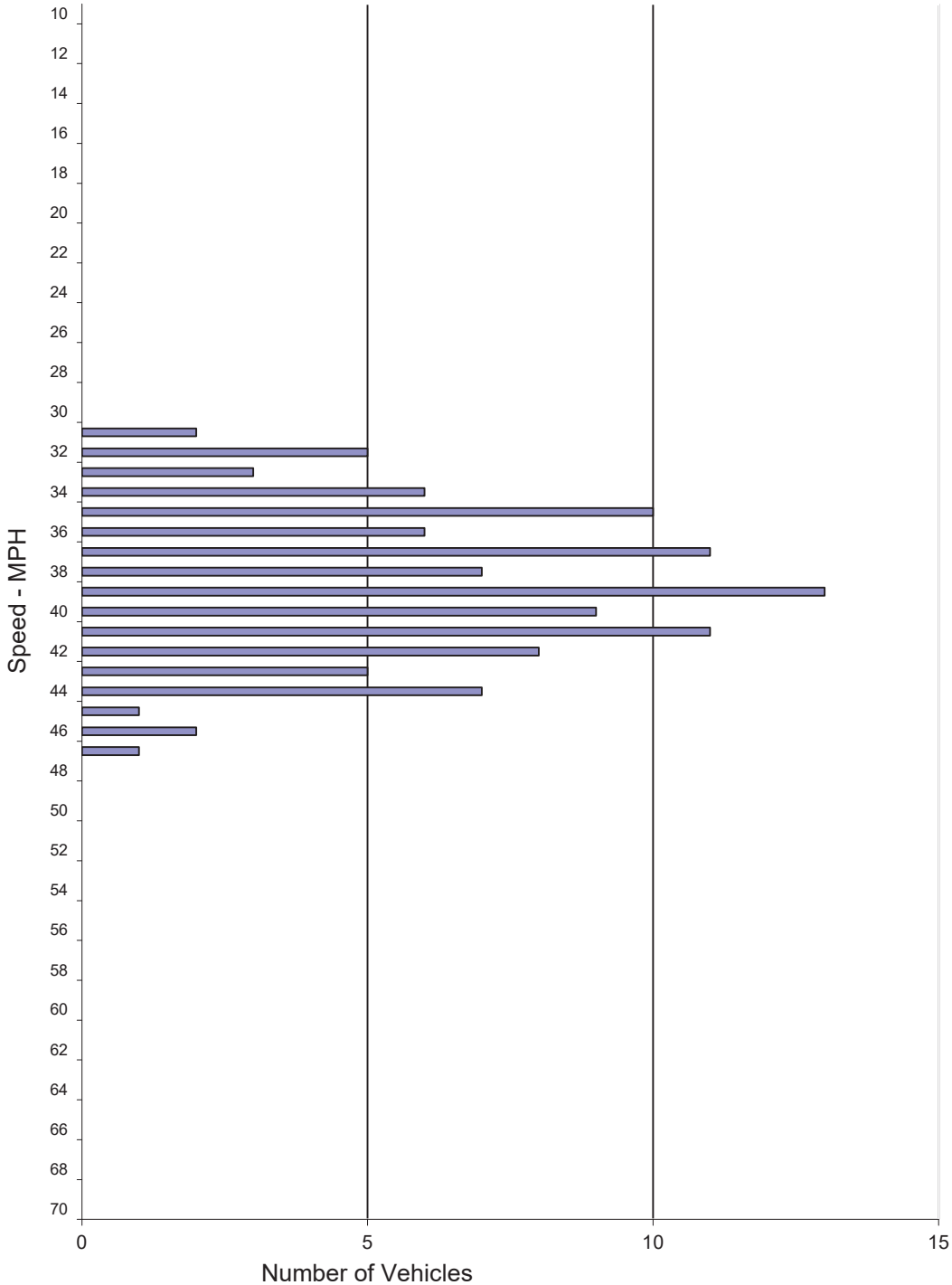
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** Furniture Row/Los Vallecitos Blvd W/O Vallecitos De Oro
TIME: 09:00-09:50 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-080

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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12	
13	
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20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	**2**
32	**5**
33	**3**
34	**6**
35	**10**
36	**6**
37	**11**
38	**7**
39	**13**
40	**9**
41	**11**
42	**8**
43	**5**
44	**7**
45	**1**
46	**2**
47	**1**
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
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59	
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61	
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63	
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65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	107	31 - 47	39 mph	42 mph	35 - 44	87	81%	14% / 16	4% / 4

Roadway	Melrose Drive		
Segment	Rancho Santa Fe Rd to San Elijo Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class III	85th Percentile Speed	48
Roadway Width (feet)	60	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.59/0.96
Median	Center Left Turn Lane / Striped / Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

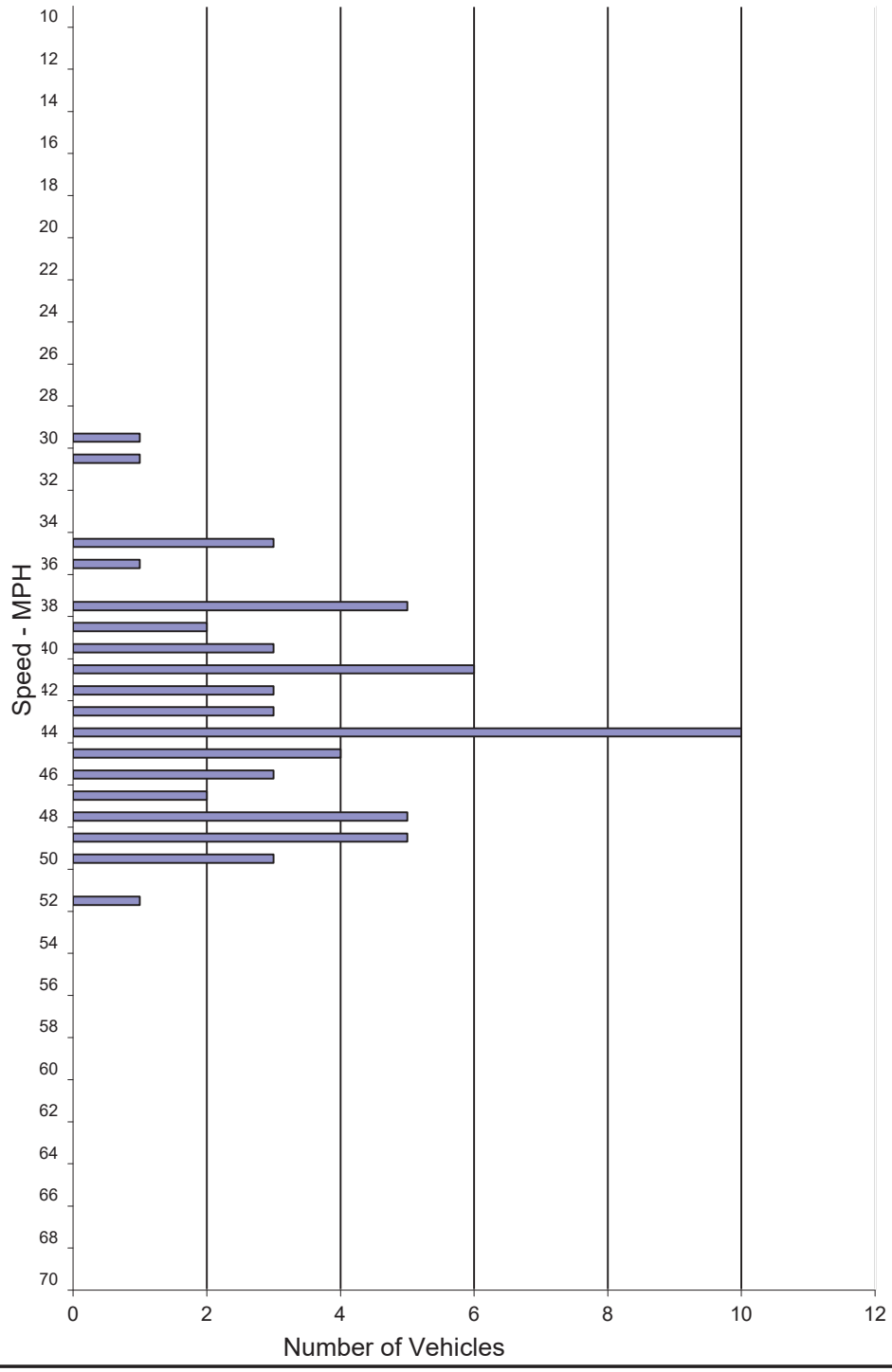
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Melrose Dr W/O Access Rd
TIME: 09:00-09:56 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-036

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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14	
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16	
17	
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19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	1
31	1
32	
33	
34	
35	3
36	1
37	
38	5
39	2
40	3
41	6
42	3
43	3
44	10
45	4
46	3
47	2
48	5
49	5
50	3
51	
52	1
53	
54	
55	
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57	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	61	30 - 52	44 mph	48 mph	40 - 49	44	72%	21% / 13	7% / 4

Spot Speed Study

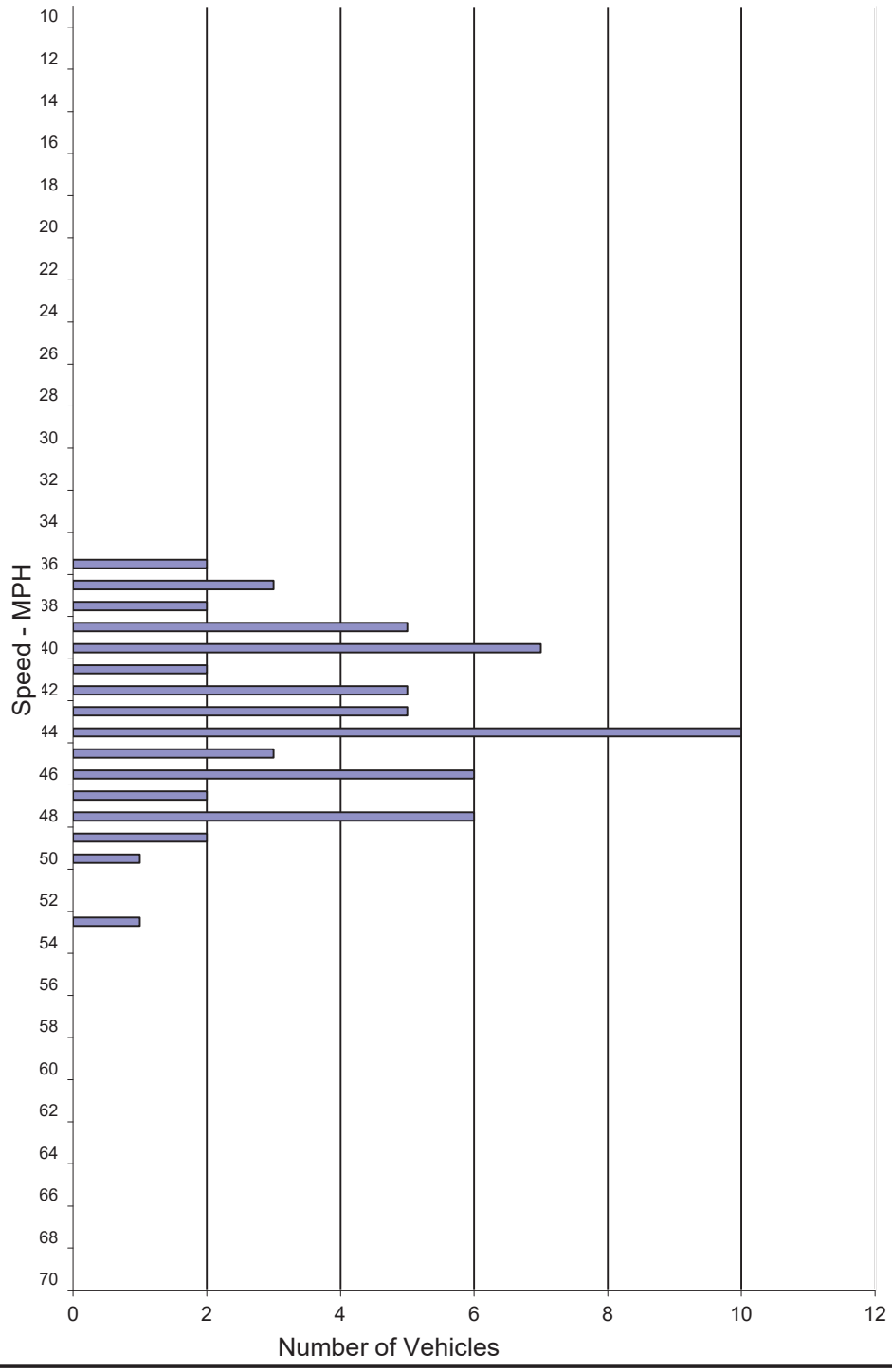
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Melrose Dr W/O Access Rd
TIME: 09:00-09:56 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-036

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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13	
14	
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16	
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19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	2
37	3
38	2
39	5
40	7
41	2
42	5
43	5
44	10
45	3
46	6
47	2
48	6
49	2
50	1
51	
52	
53	1
54	
55	
56	
57	
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59	
60	
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62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	62	36 - 53	43 mph	48 mph	39 - 48	51	82%	11% / 7	7% / 4

Spot Speed Study

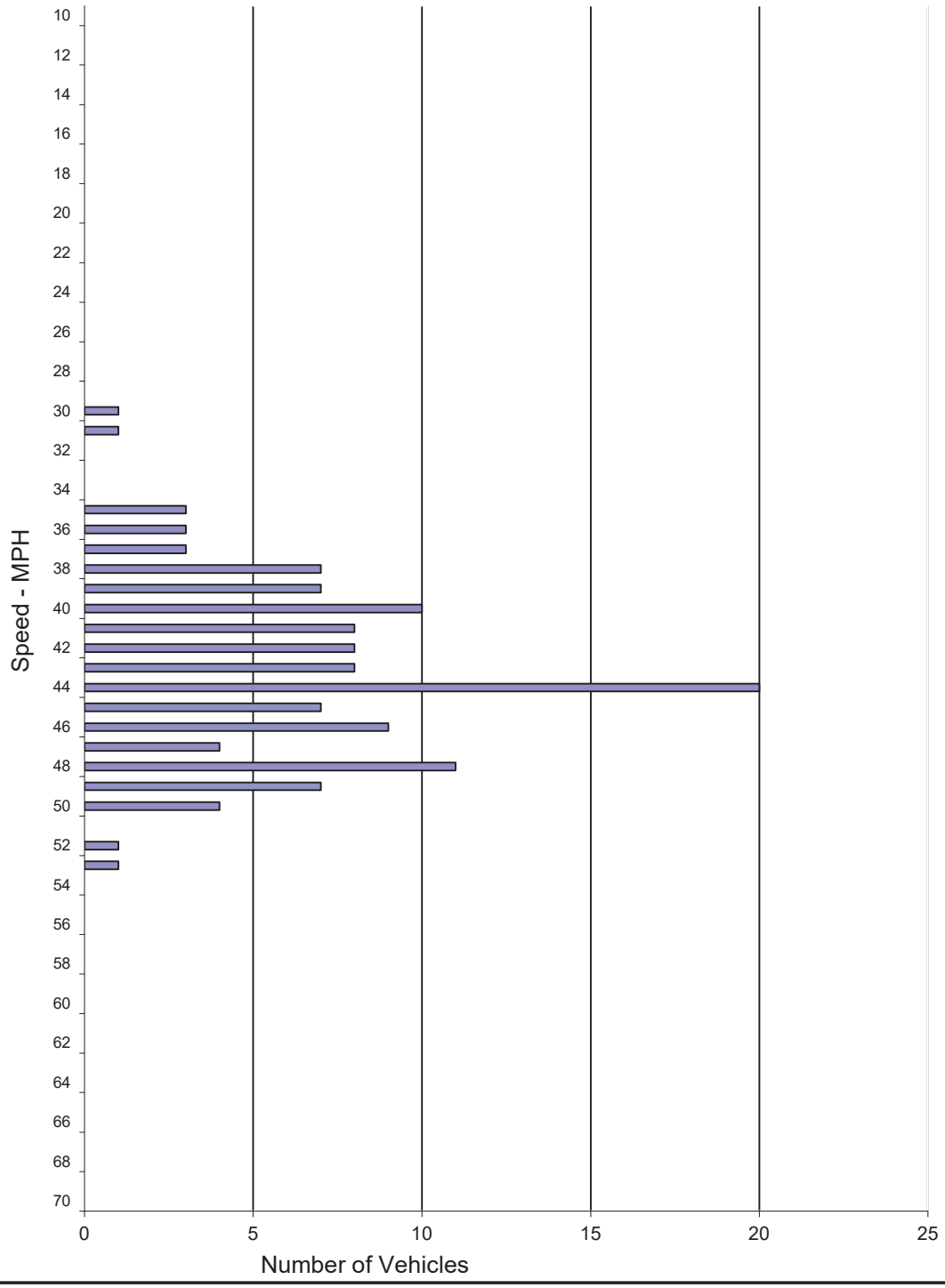
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Melrose Dr W/O Access Rd
TIME: 09:00-09:56 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-036

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	1
31	1
32	
33	
34	
35	3
36	3
37	3
38	7
39	7
40	10
41	8
42	8
43	8
44	20
45	7
46	9
47	4
48	11
49	7
50	4
51	
52	1
53	1
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	123	30 - 53	44 mph	48 mph	39 - 48	92	75%	14% / 18	11% / 13

Roadway	Mission Road		
Segment	Rancho Santa Fe Rd to Las Posas Rd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	40
Bicycle Facilities	Class II / Class III	85th Percentile Speed	42
Roadway Width (feet)	64	Recommended Speed Limit	40
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0/0.96
Median	Striped / Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

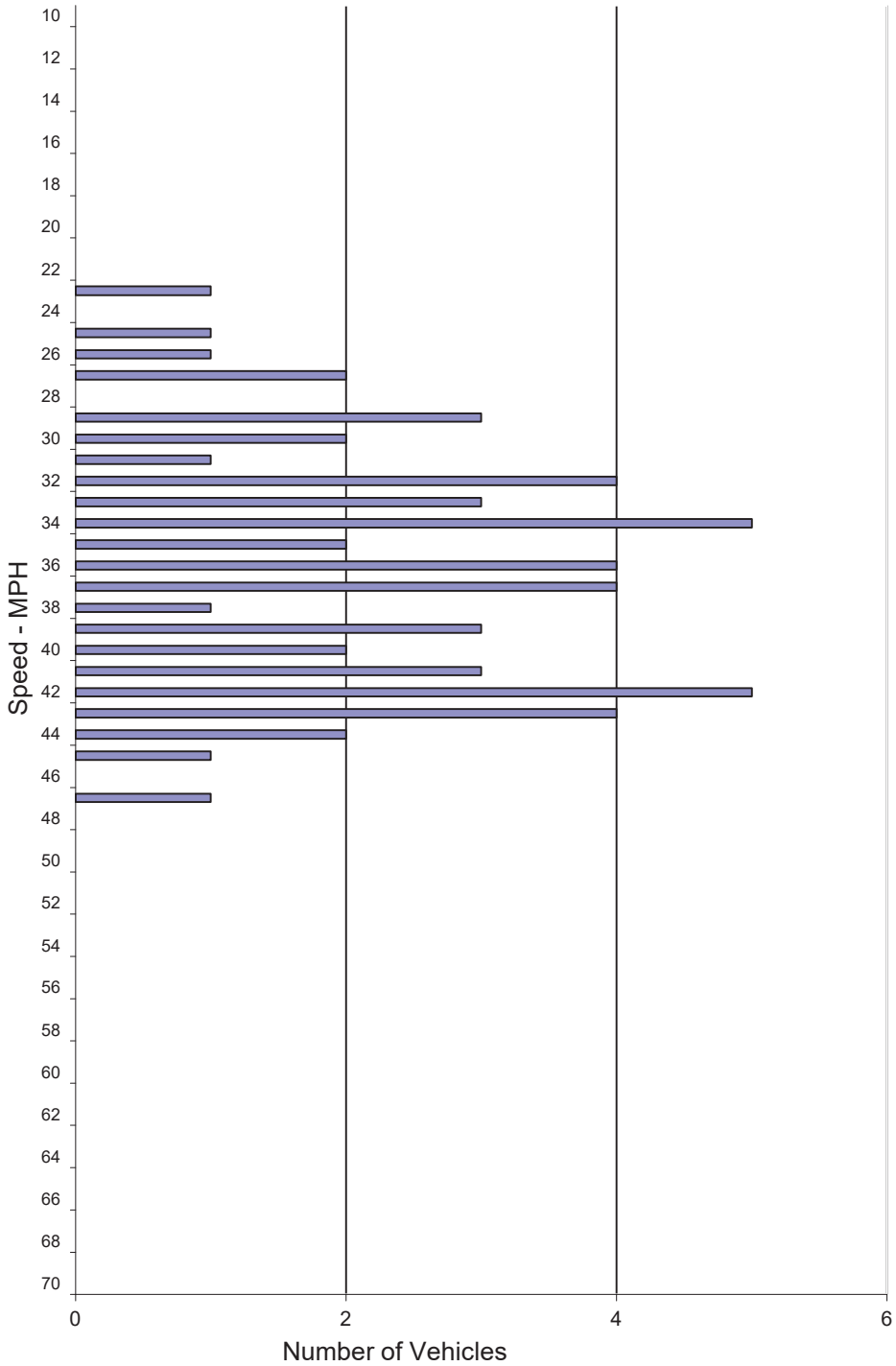
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** W Mission Rd W Mission Rd
TIME: 14:50-15:20 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-044

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	
25	1
26	1
27	2
28	
29	3
30	2
31	1
32	4
33	3
34	5
35	2
36	4
37	4
38	1
39	3
40	2
41	3
42	5
43	4
44	2
45	1
46	
47	1
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	23 - 47	36 mph	42 mph	34 - 43	33	60%	32% / 18	8% / 4

Spot Speed Study

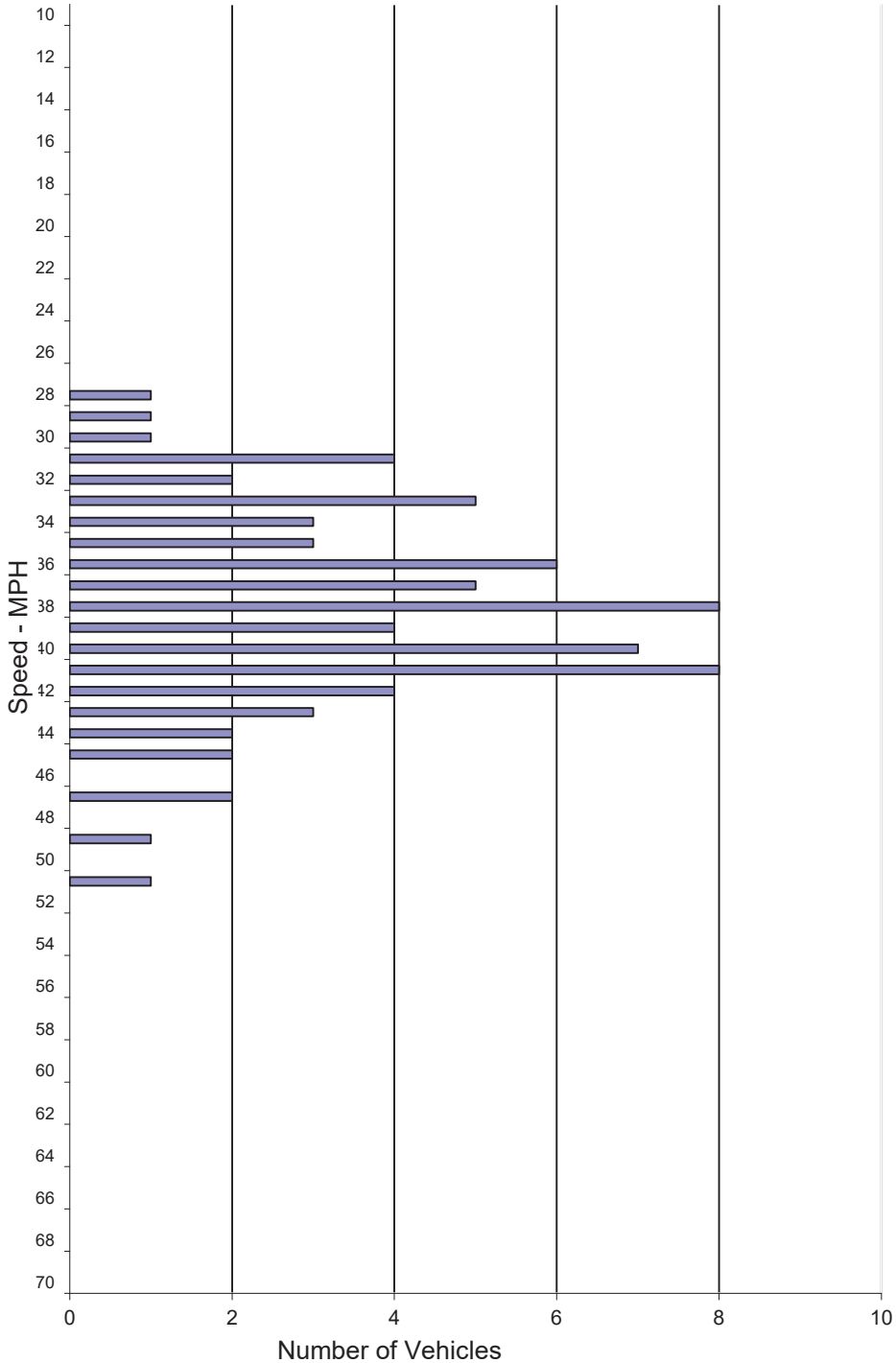
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** W Mission Rd W Mission Rd
TIME: 14:50-15:20 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-044

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	1
29	1
30	1
31	4
32	2
33	5
34	3
35	3
36	6
37	5
38	8
39	4
40	7
41	8
42	4
43	3
44	2
45	2
46	
47	2
48	
49	1
50	
51	1
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	73	28 - 51	38 mph	43 mph	33 - 42	53	73%	12% / 9	16% / 11

Spot Speed Study

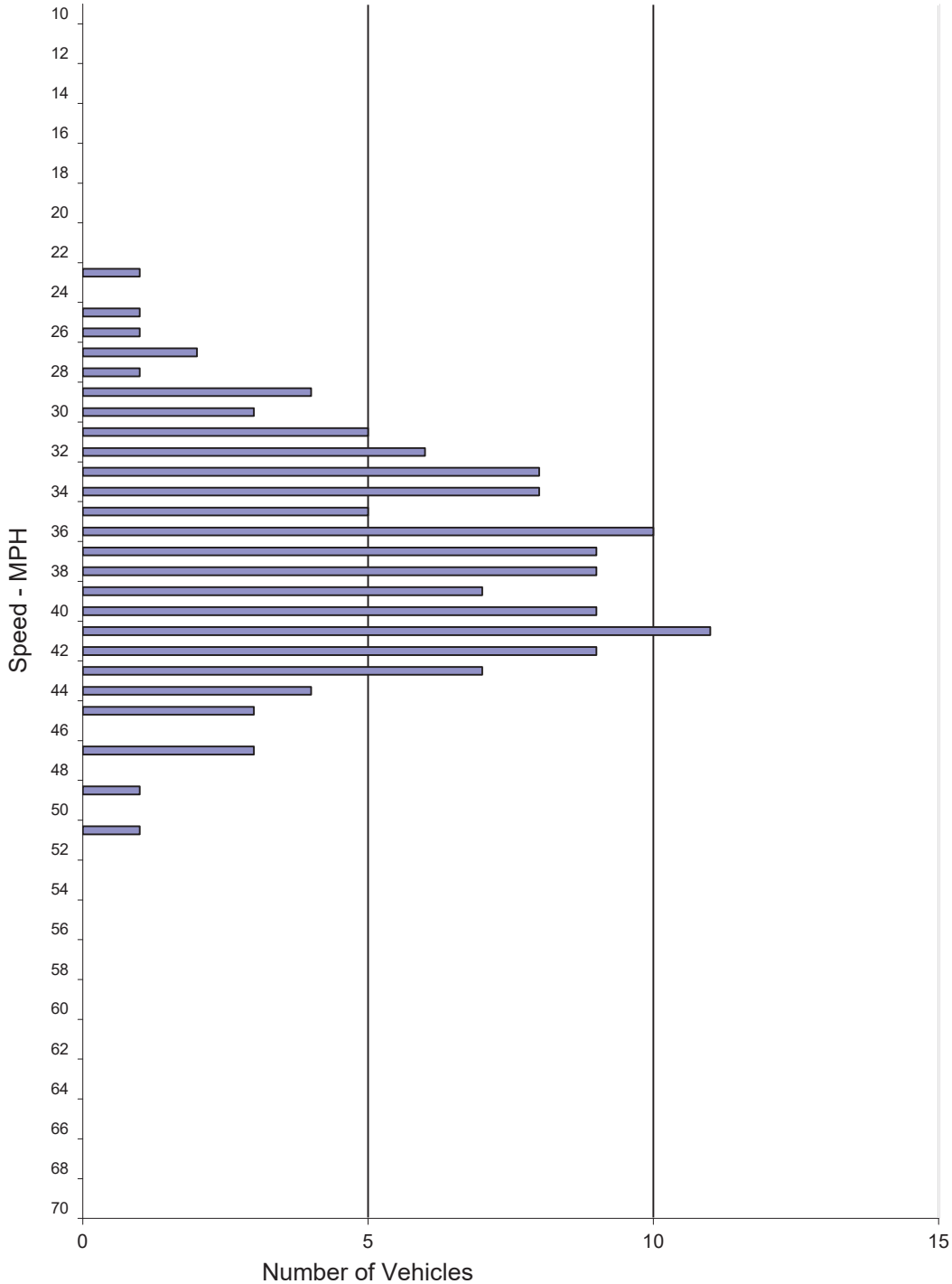
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** W Mission Rd W Mission Rd
TIME: 14:50-15:20 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-044

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	
25	1
26	1
27	2
28	1
29	4
30	3
31	5
32	6
33	8
34	8
35	5
36	10
37	9
38	9
39	7
40	9
41	11
42	9
43	7
44	4
45	3
46	
47	3
48	
49	1
50	
51	1
52	
53	
54	
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63	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	128	23 - 51	37 mph	42 mph	33 - 42	85	66%	18% / 24	15% / 19

Roadway	Mission Road		
Segment	Las Posas Rd to Knoll Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class I / Class II	85th Percentile Speed	43
Roadway Width (feet)	70	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0/0.84
Median	Center Left Turn Lane	2019, District 11, Urban, 4 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

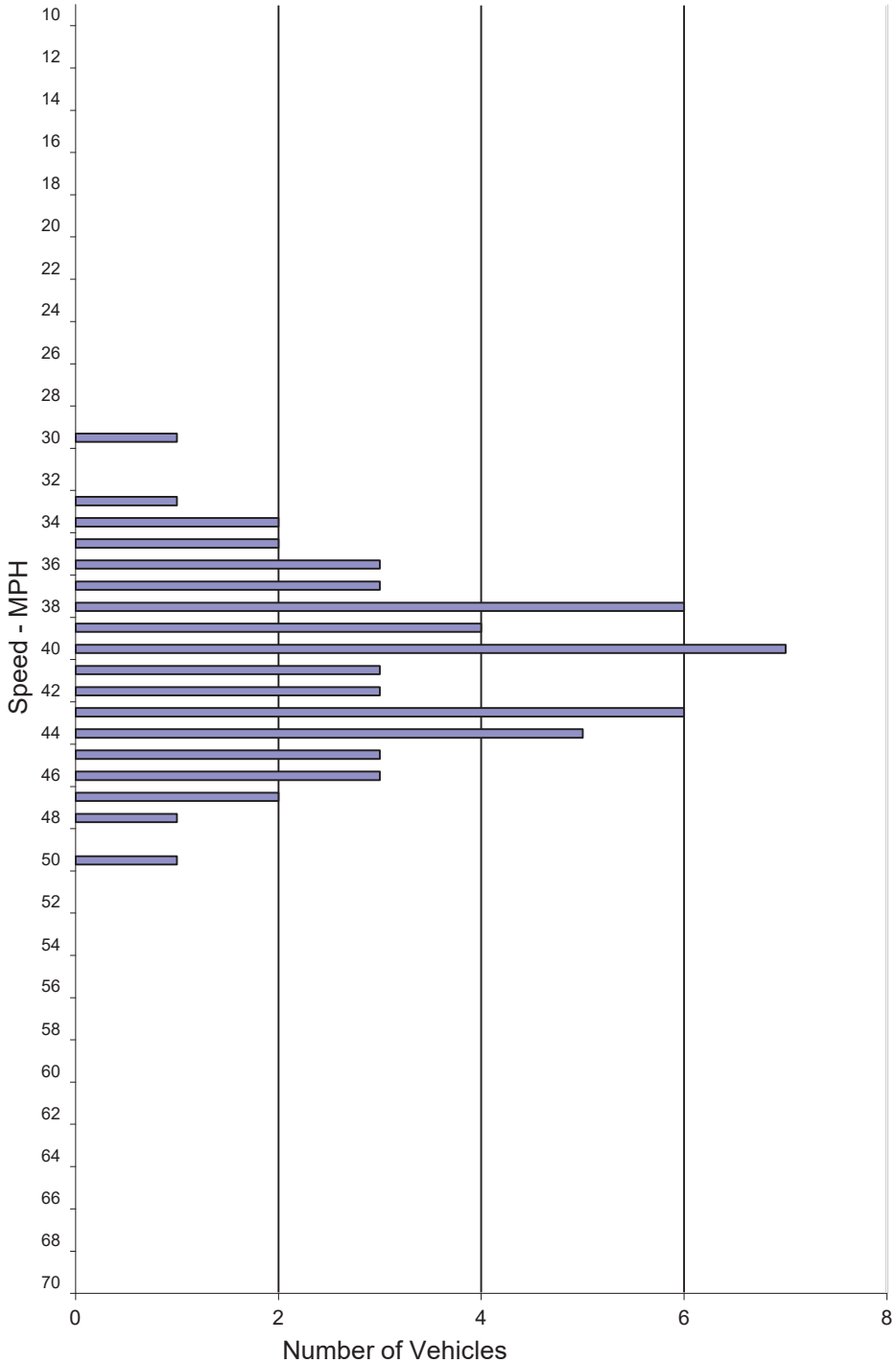
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** W Mission Rd E/O Palomar College
TIME: 10:10-10:50 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-015

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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23	
24	
25	
26	
27	
28	
29	
30	1
31	
32	
33	1
34	2
35	2
36	3
37	3
38	6
39	4
40	7
41	3
42	3
43	6
44	5
45	3
46	3
47	2
48	1
49	
50	1
51	
52	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	56	30 - 50	40 mph	45 mph	36 - 45	43	77%	10% / 6	13% / 7

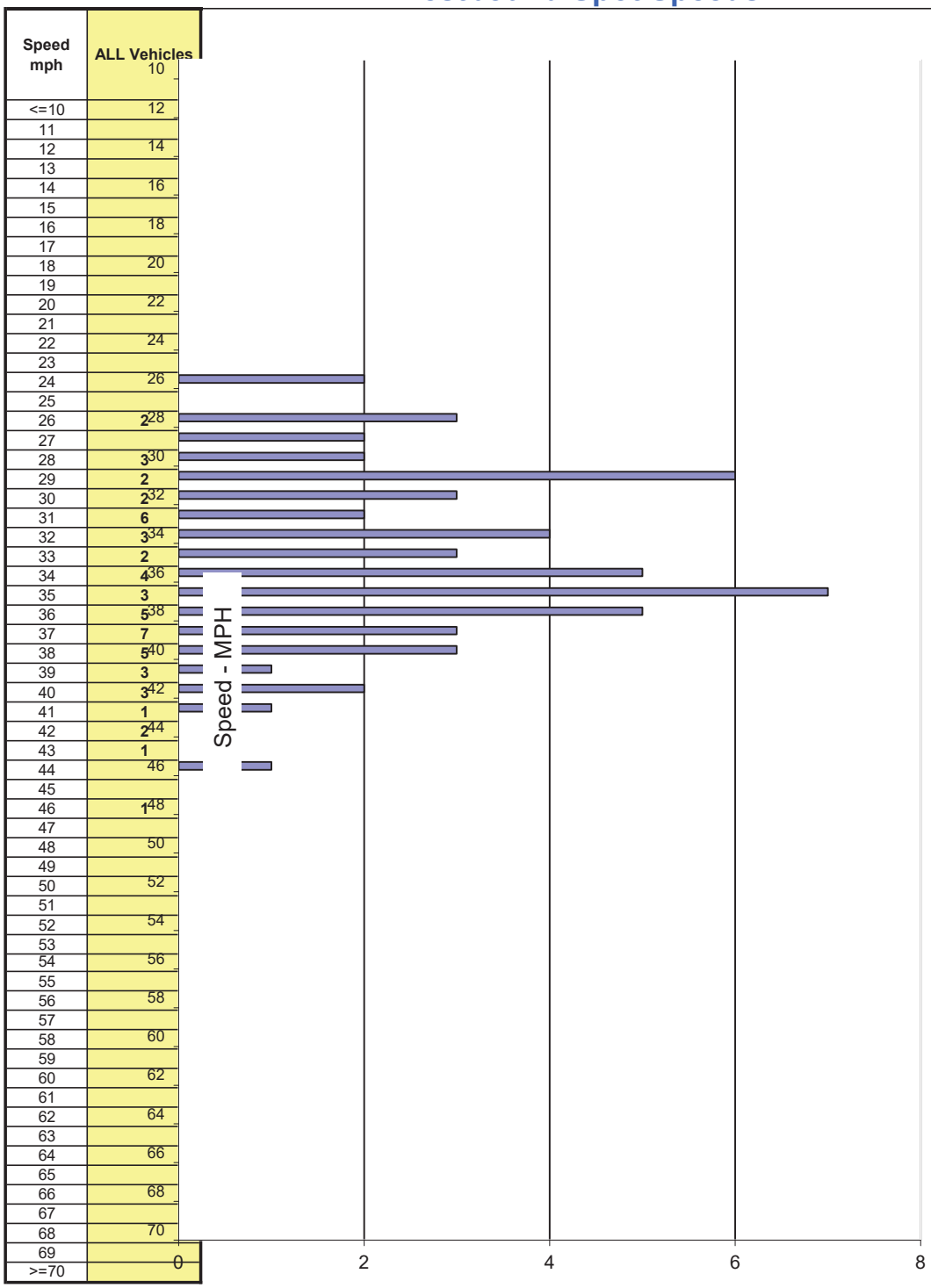
Spot Speed Study

Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** W Mission Rd E/O Palomar College
TIME: 10:10-10:50 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-015

Westbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	26 - 46	36 mph	39 mph	31 - 40	41	75%	16% / 9	10% / 5

Spot Speed Study

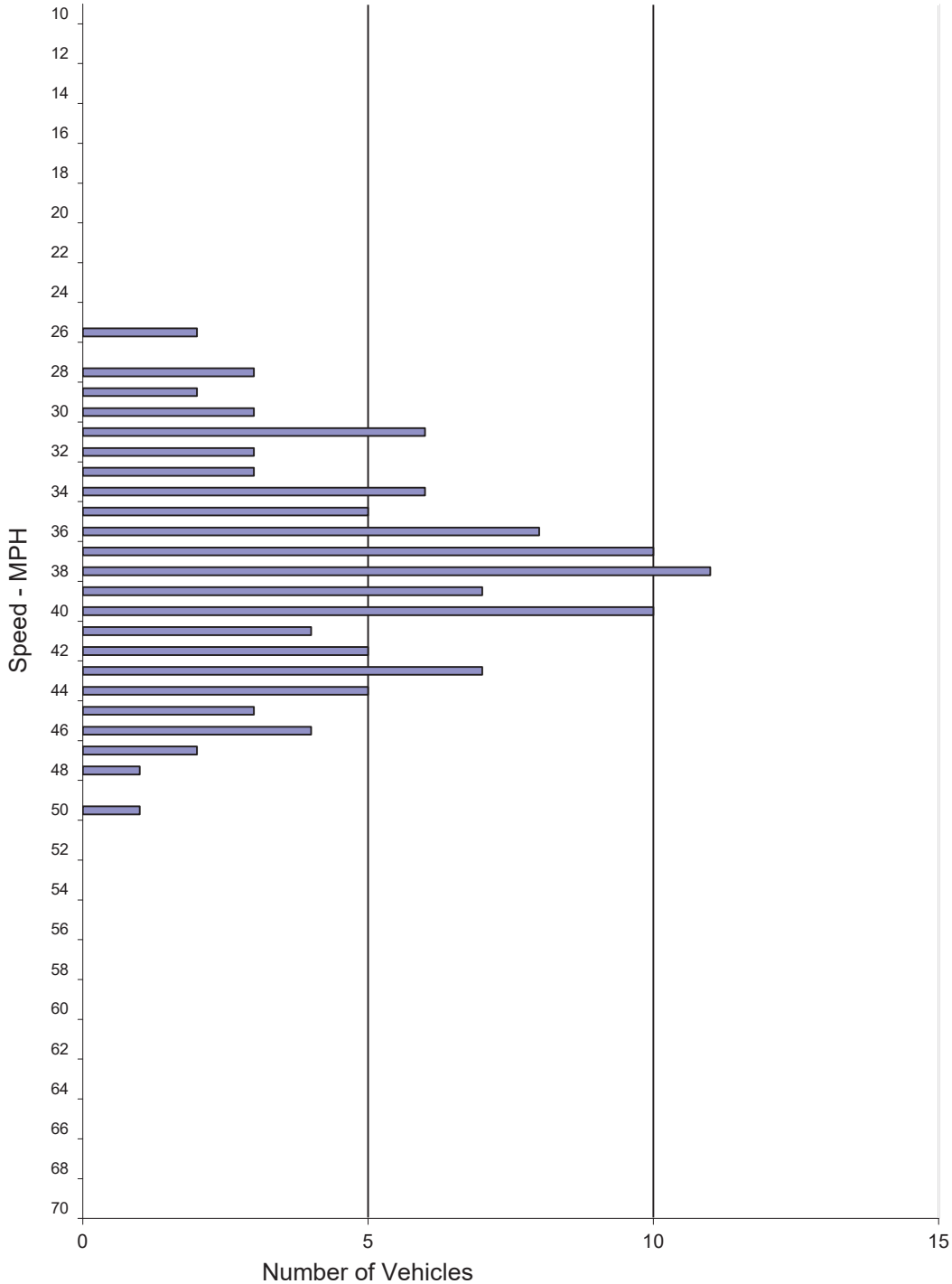
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/2/2023 **Location:** W Mission Rd E/O Palomar College
TIME: 10:10-10:50 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-015

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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28	3
29	2
30	3
31	6
32	3
33	3
34	6
35	5
36	8
37	10
38	11
39	7
40	10
41	4
42	5
43	7
44	5
45	3
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47	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	111	26 - 50	38 mph	43 mph	34 - 43	73	66%	19% / 22	15% / 16

Roadway	Mission Road		
Segment	Knoll Rd to San Marcos Blvd		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class I / Class II	85th Percentile Speed	47
Roadway Width (feet)	78	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	1.11/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

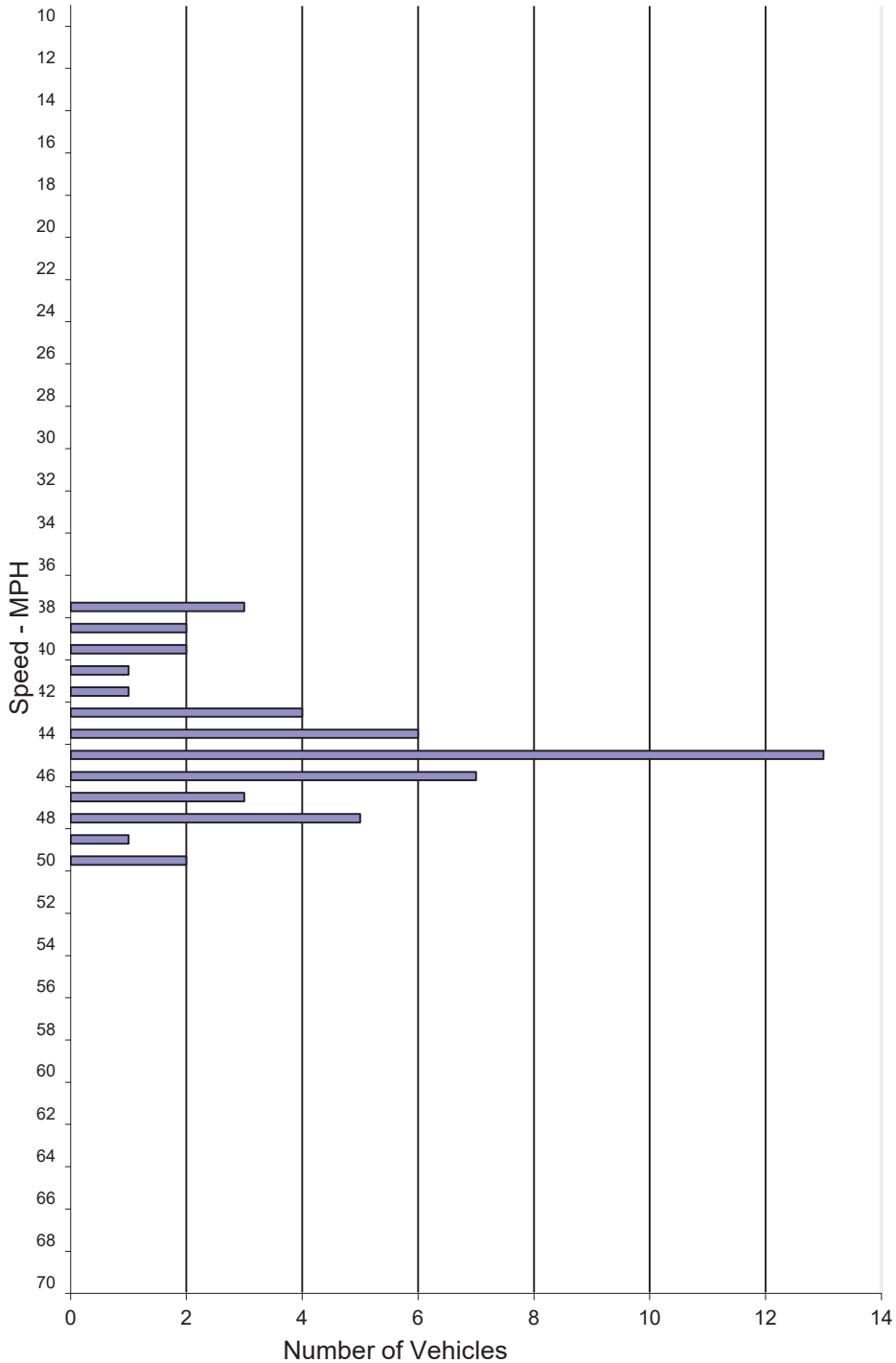
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** E Mission Rd W/O Woodward St/E San Marcos Blvd
TIME: 13:00-13:45 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-018

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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38	3
39	2
40	2
41	1
42	1
43	4
44	6
45	13
46	7
47	3
48	5
49	1
50	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	38 - 50	45 mph	48 mph	39 - 48	44	88%	6% / 3	6% / 3

Spot Speed Study

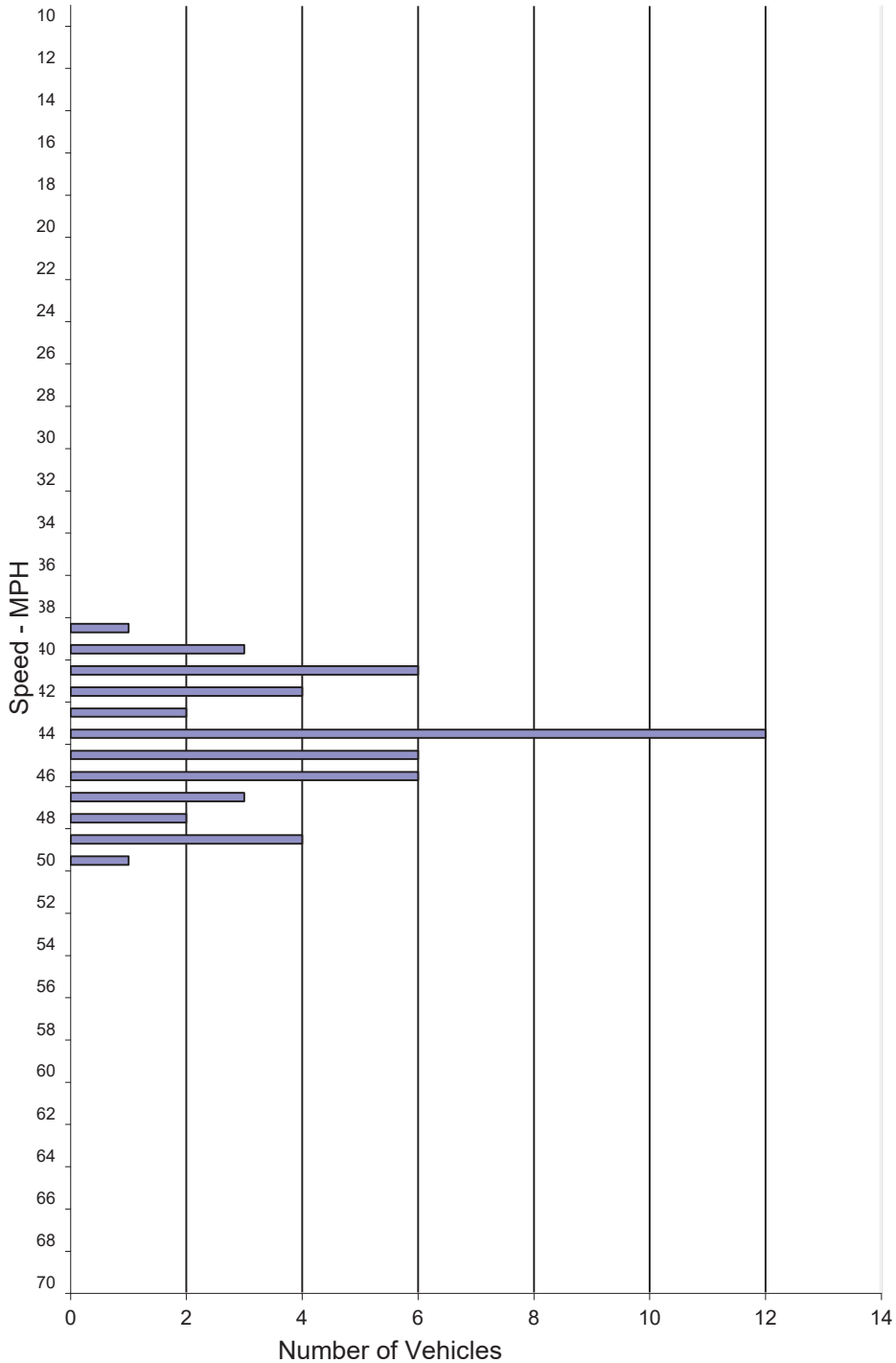
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** E Mission Rd W/O Woodward St/E San Marcos Blvd
TIME: 13:00-13:45 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-018

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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39	1
40	3
41	6
42	4
43	2
44	12
45	6
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	39 - 50	44 mph	47 mph	40 - 49	48	96%	2% / 1	2% / 1

Spot Speed Study

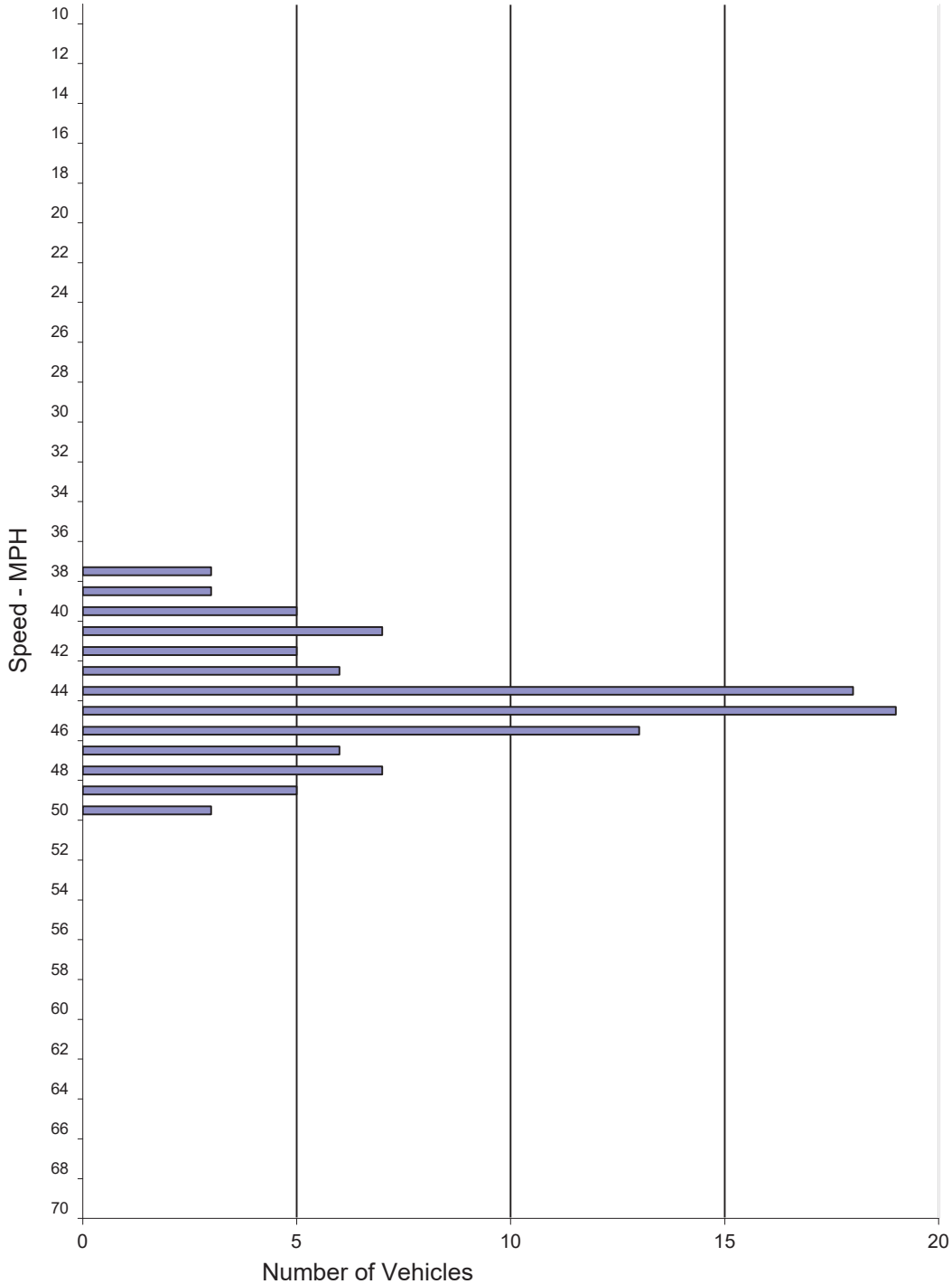
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** E Mission Rd W/O Woodward St/E San Marcos Blvd
TIME: 13:00-13:45 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-018

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
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39	3
40	5
41	7
42	5
43	6
44	18
45	19
46	13
47	6
48	7
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	38 - 50	45 mph	47 mph	40 - 49	91	91%	6% / 6	3% / 3

Roadway	Mission Road		
Segment	San Marcos Blvd to Mulberry Dr		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class I / Class II	85th Percentile Speed	47
Roadway Width (feet)	105	Recommended Speed Limit	45
No. of Striped Lanes	6	Collision Rate/Statewide Collision Rate*	0.65/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

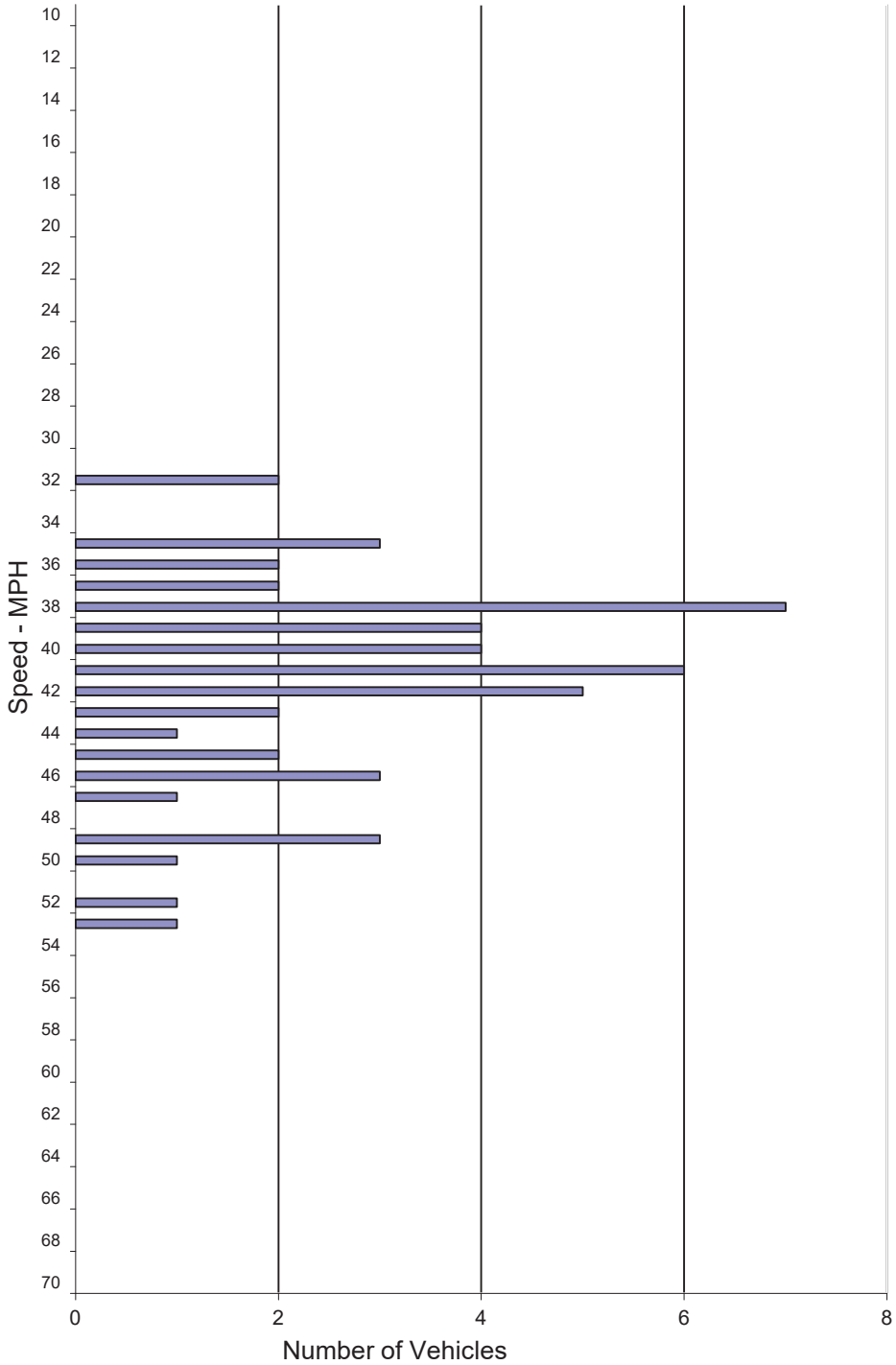
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** E Mission Rd/CR S14 E/O Woodward St/E San Marcos Blvd
TIME: 13:30-14:03 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-071

Eastbound Spot Speeds

Speed mph	ALL Vehicles
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35	3
36	2
37	2
38	7
39	4
40	4
41	6
42	5
43	2
44	1
45	2
46	3
47	1
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49	3
50	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	32 - 53	41 mph	46 mph	35 - 44	36	72%	4% / 2	24% / 12

Spot Speed Study

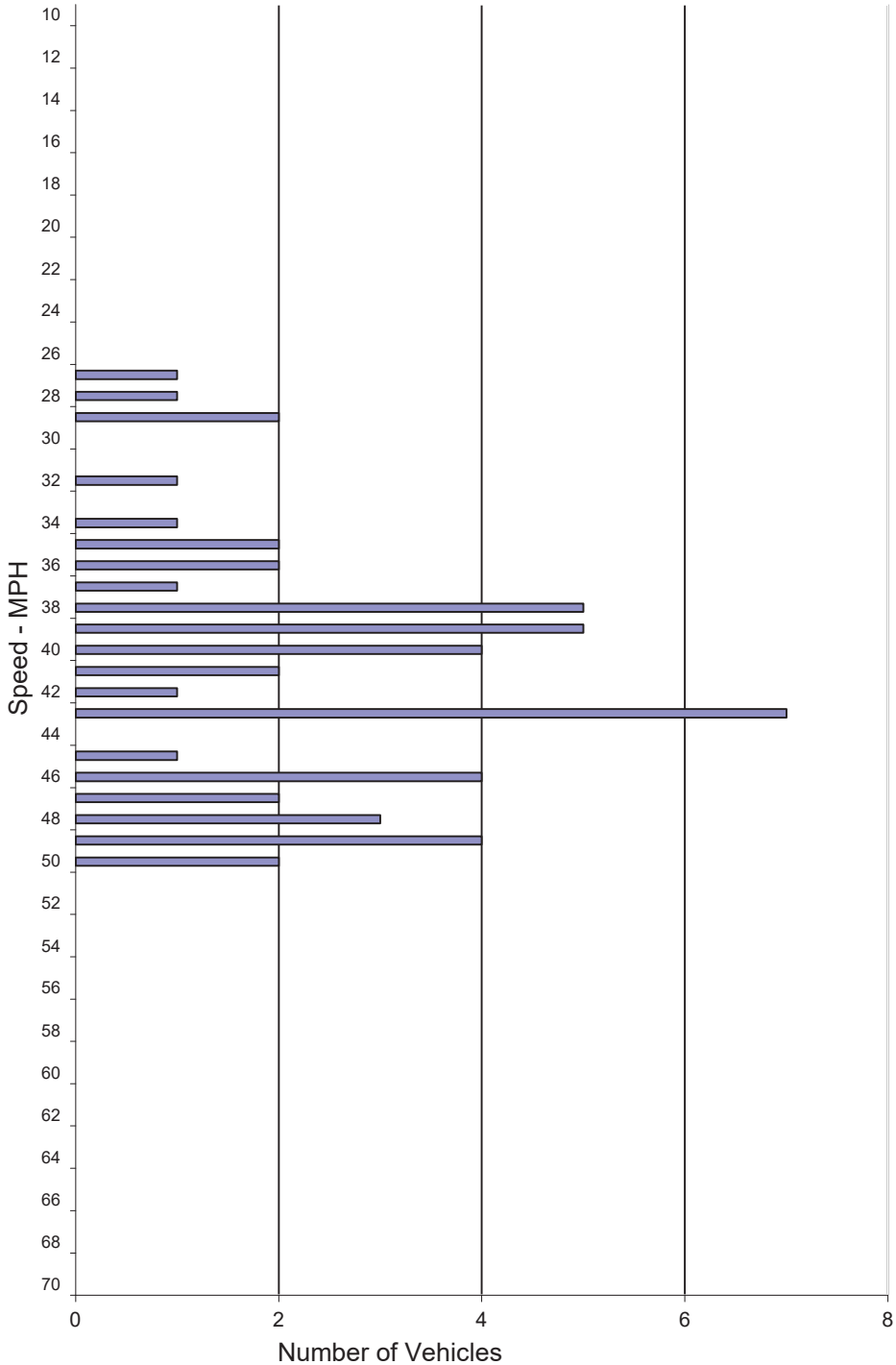
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** E Mission Rd/CR S14 E/O Woodward St/E San Marcos Blvd
TIME: 13:30-14:03 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-071

Westbound Spot Speeds

Speed mph	ALL Vehicles
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35	2
36	2
37	1
38	5
39	5
40	4
41	2
42	1
43	7
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45	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	51	27 - 50	41 mph	48 mph	38 - 47	31	61%	21% / 11	18% / 9

Spot Speed Study

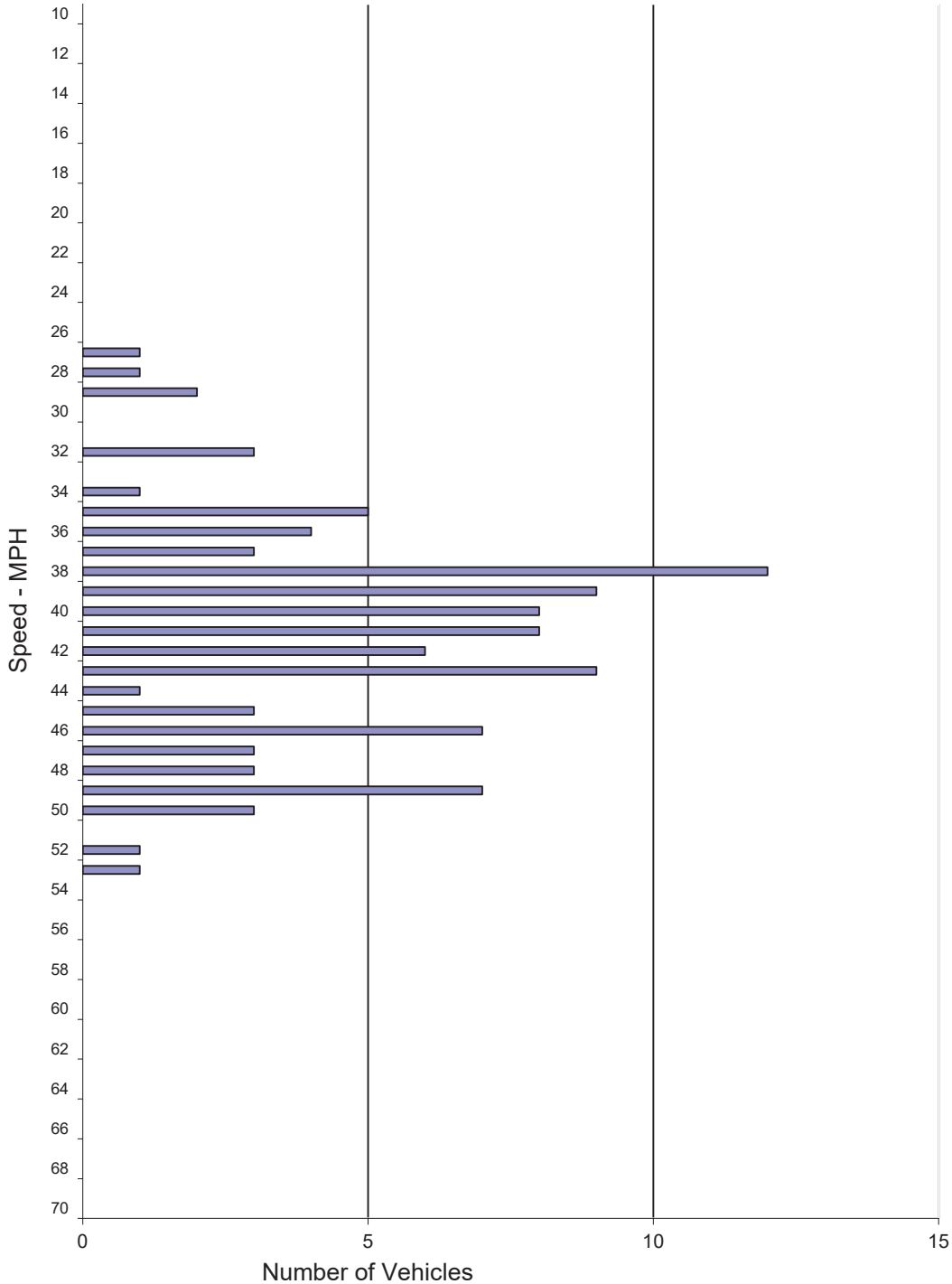
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** E Mission Rd/CR S14 E/O Woodward St/E San Marcos Blvd
TIME: 13:30-14:03 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-071

Eastbound & Westbound Spot Speeds

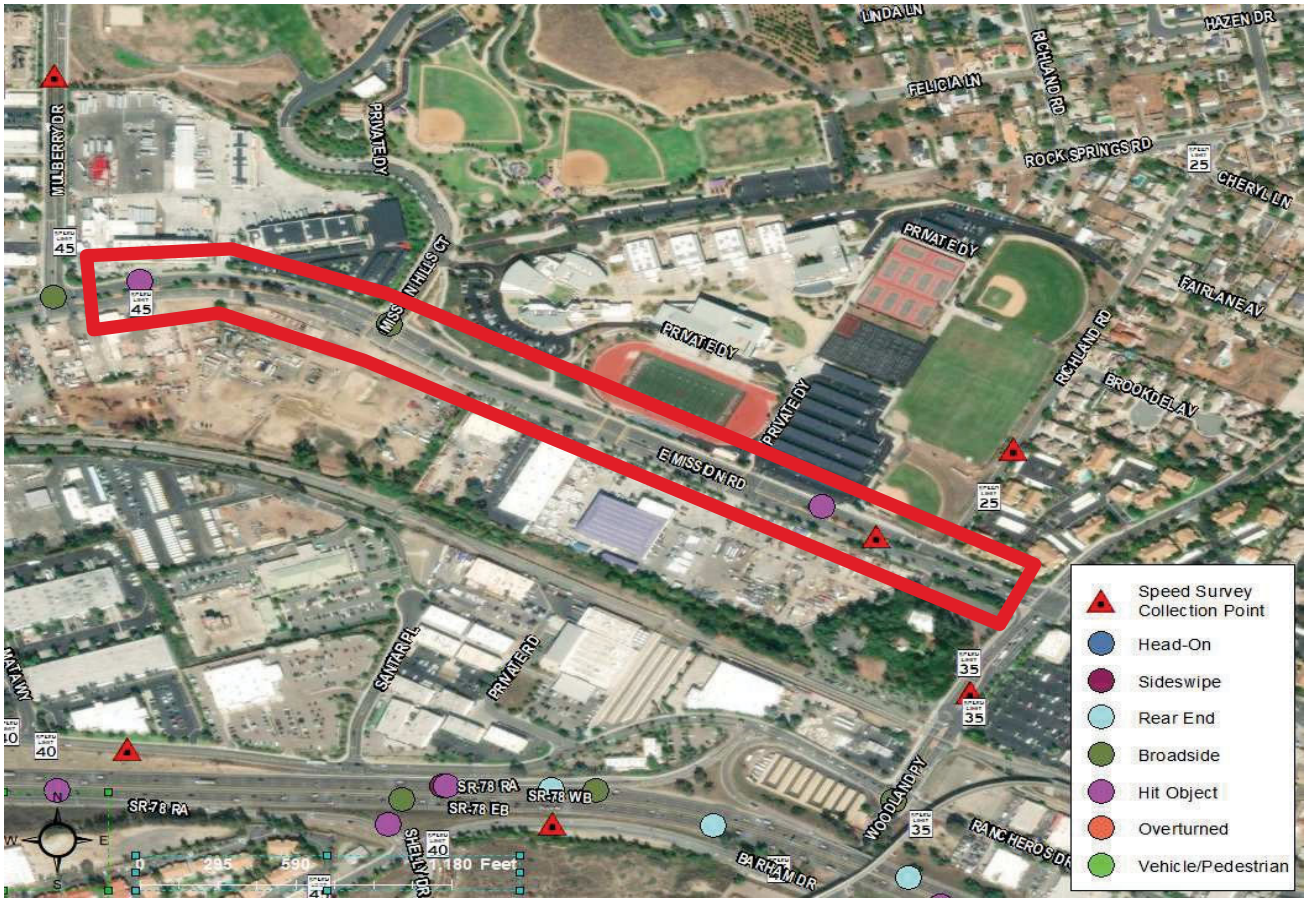
Speed mph	ALL Vehicles
<=10	
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27	1
28	1
29	2
30	
31	
32	3
33	
34	1
35	5
36	4
37	3
38	12
39	9
40	8
41	8
42	6
43	9
44	1
45	3
46	7
47	3
48	3
49	7
50	3
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52	1
53	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	101	27 - 53	41 mph	47 mph	37 - 46	66	65%	16% / 17	18% / 18

Roadway	Mission Road		
Segment	Mulberry Dr to Woodland Pkwy		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	48
Roadway Width (feet)	105	Recommended Speed Limit	45
No. of Striped Lanes	6	Collision Rate/Statewide Collision Rate*	0.75/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

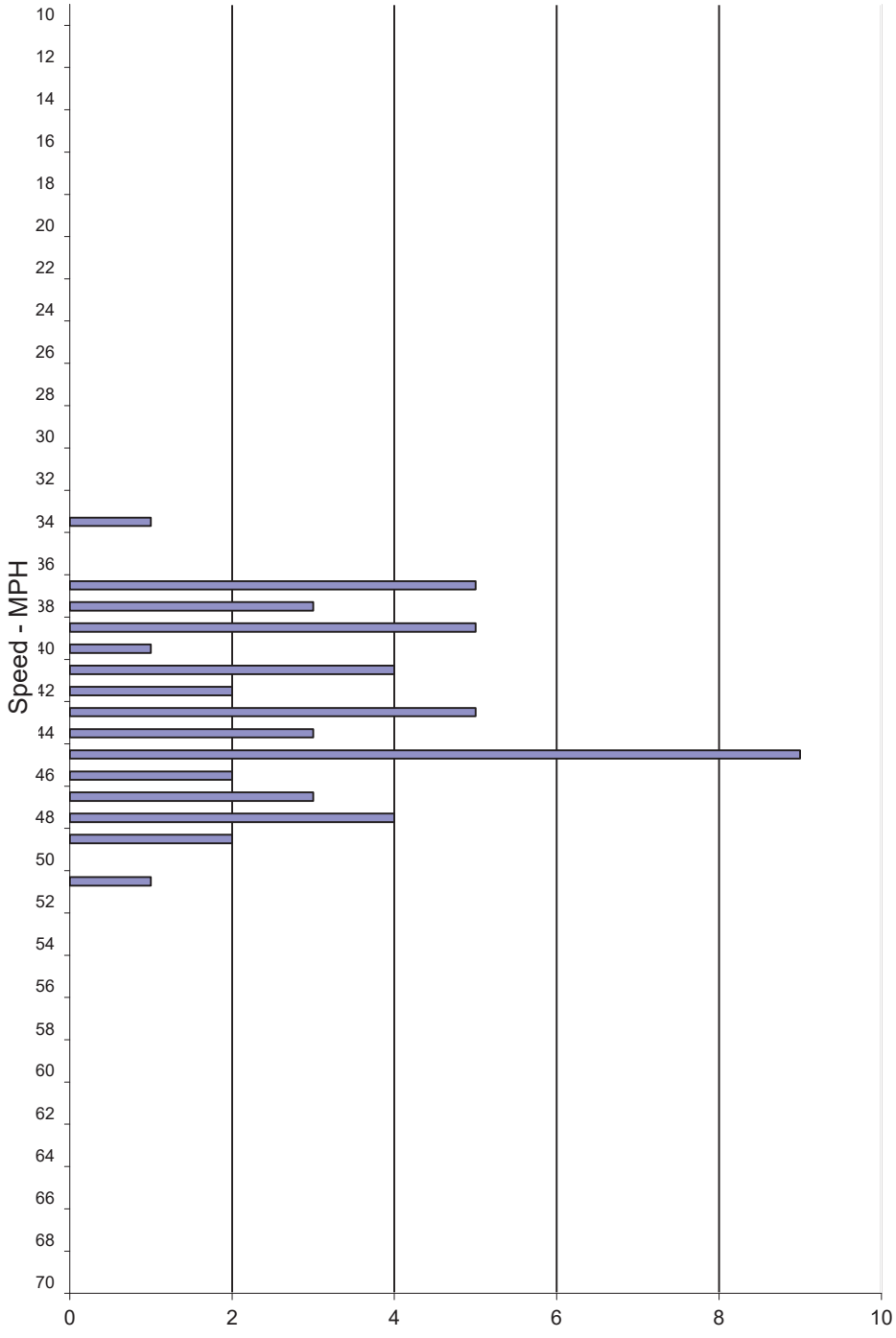
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** E Mission Rd/CR S14 W/O Woodland Pkwy
TIME: 14:00-14:30 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-070

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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33	
34	1
35	
36	
37	5
38	3
39	5
40	1
41	4
42	2
43	5
44	3
45	9
46	2
47	3
48	4
49	2
50	
51	1
52	
53	
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67	
68	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	34 - 51	43 mph	47 mph	37 - 46	39	78%	2% / 1	20% / 10

Spot Speed Study

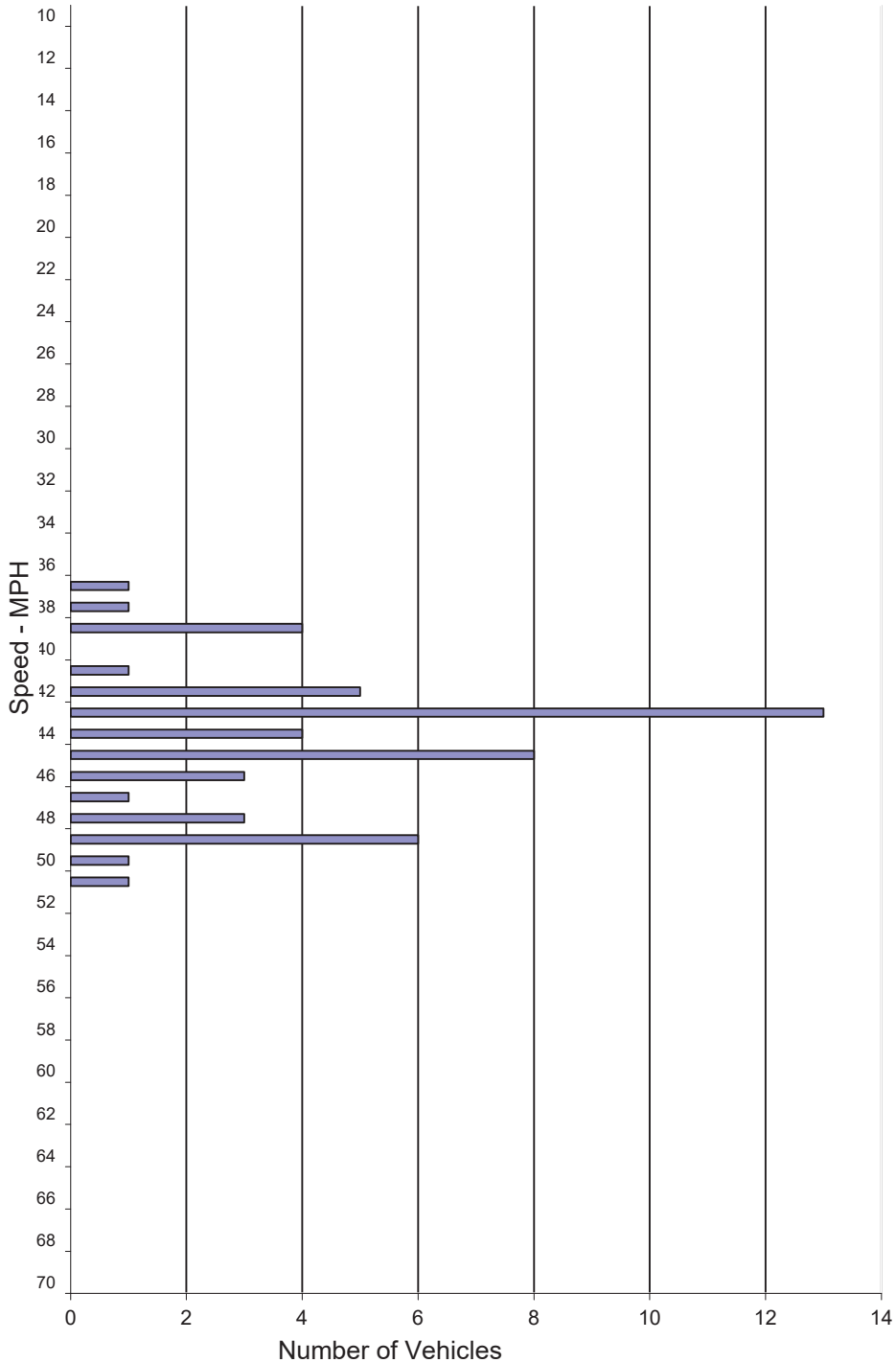
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** E Mission Rd/CR S14 W/O Woodland Pkwy
TIME: 14:00-14:30 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-070

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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36	
37	1
38	1
39	4
40	
41	1
42	5
43	13
44	4
45	8
46	3
47	1
48	3
49	6
50	1
51	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	52	37 - 51	44 mph	49 mph	41 - 50	45	87%	11% / 6	2% / 1

Spot Speed Study

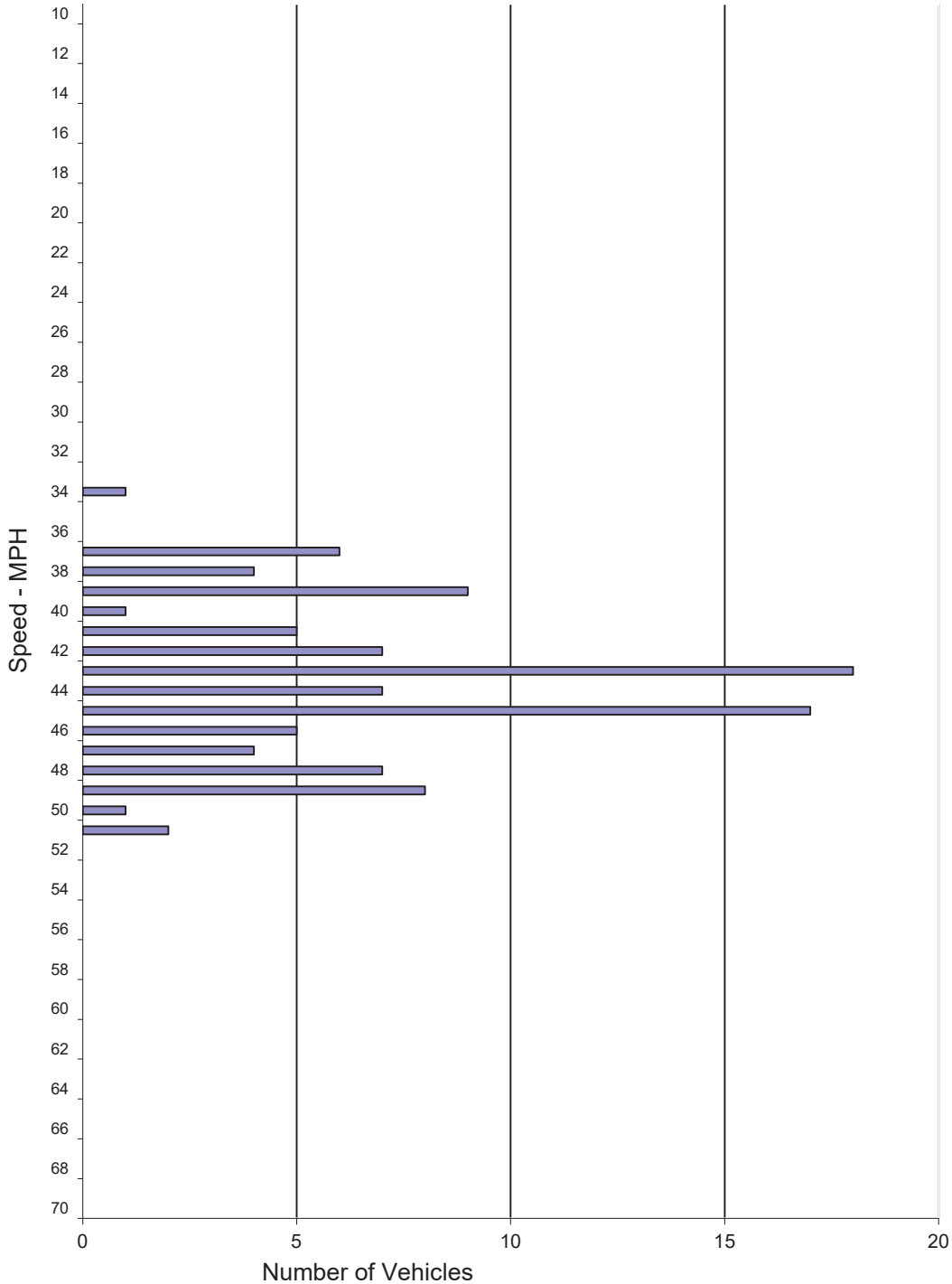
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** E Mission Rd/CR S14 W/O Woodland Pkwy
TIME: 14:00-14:30 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-070

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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34	1
35	
36	
37	6
38	4
39	9
40	1
41	5
42	7
43	18
44	7
45	17
46	5
47	4
48	7
49	8
50	1
51	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	102	34 - 51	43 mph	48 mph	39 - 48	80	78%	10% / 11	11% / 11

Roadway	Mission Road		
Segment	Woodland Pkwy to Eastern City Limits		
Pedestrian Facilities	Intermittent	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	50
Roadway Width (feet)	80	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.37/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

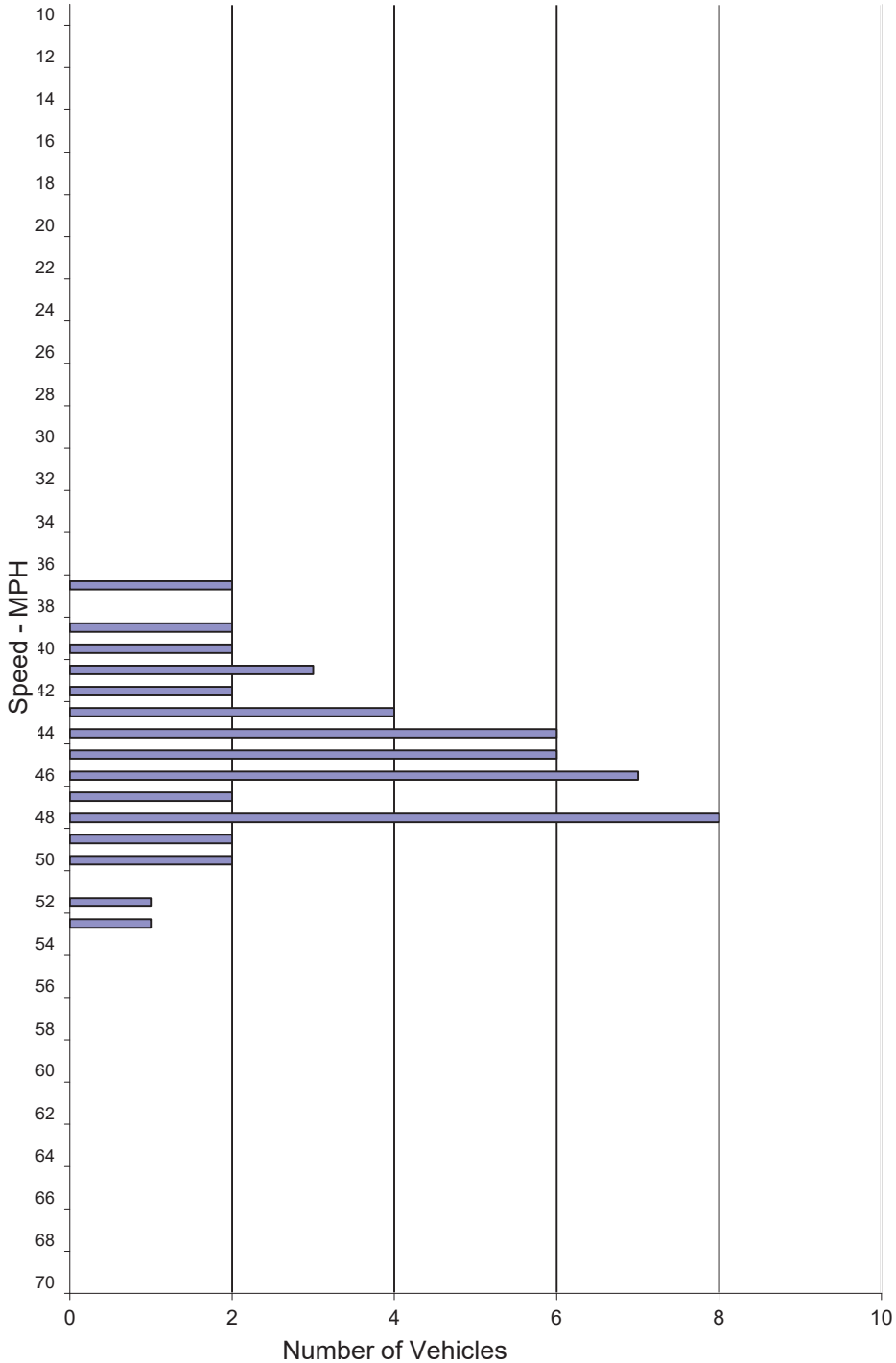
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** E Mission Rd/CR S14 W/O Avenida Chapala
TIME: 09:30-10:00 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-061

Eastbound Spot Speeds

Speed mph	ALL Vehicles
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37	2
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39	2
40	2
41	3
42	2
43	4
44	6
45	6
46	7
47	2
48	8
49	2
50	2
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52	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	37 - 53	45 mph	48 mph	39 - 48	42	84%	4% / 2	12% / 6

Spot Speed Study

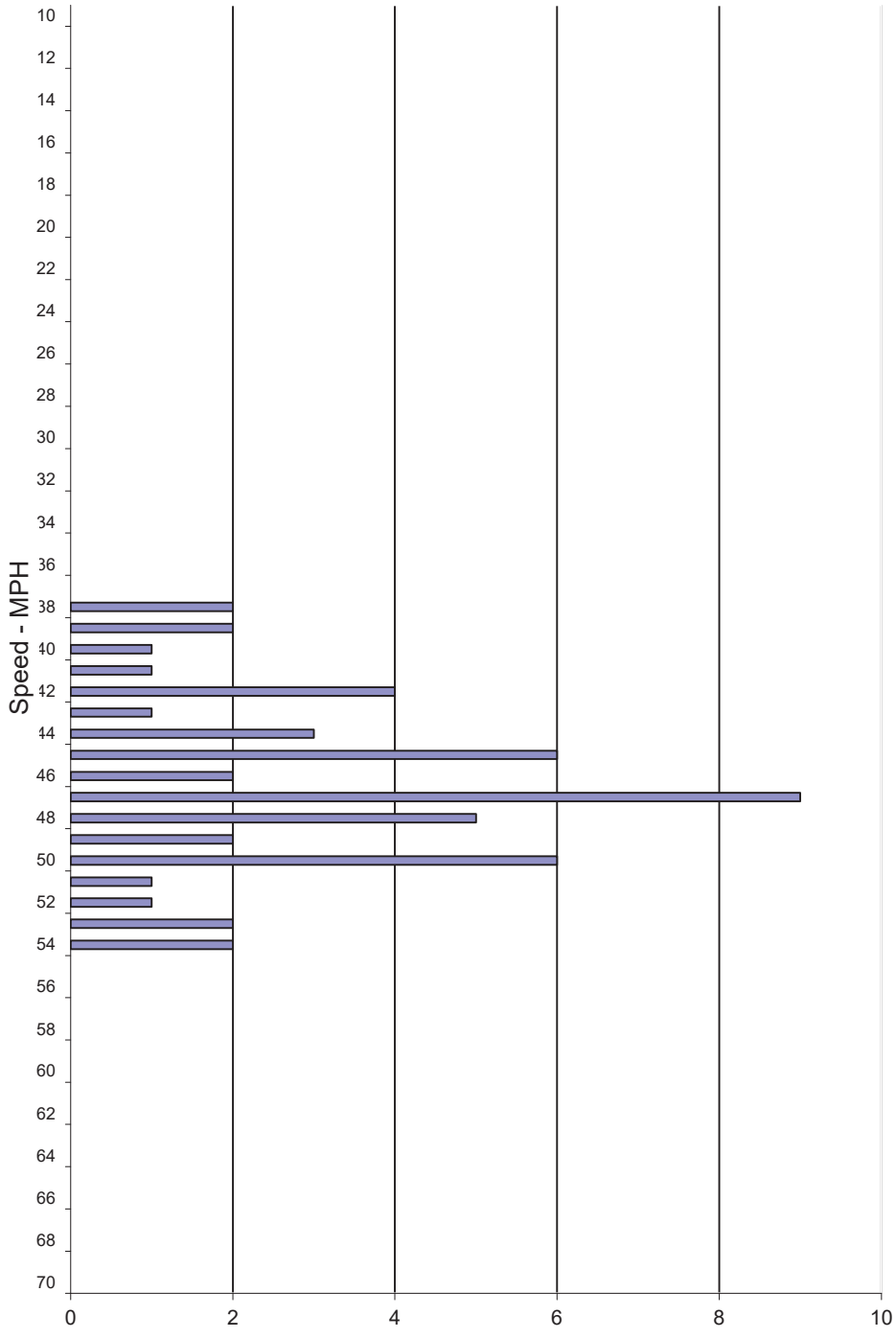
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** E Mission Rd/CR S14 W/O Avenida Chapala
TIME: 09:30-10:00 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-061

Westbound Spot Speeds

Speed mph	ALL Vehicles
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39	2
40	1
41	1
42	4
43	1
44	3
45	6
46	2
47	9
48	5
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	38 - 54	47 mph	50 mph	41 - 50	39	78%	10% / 5	12% / 6

Spot Speed Study

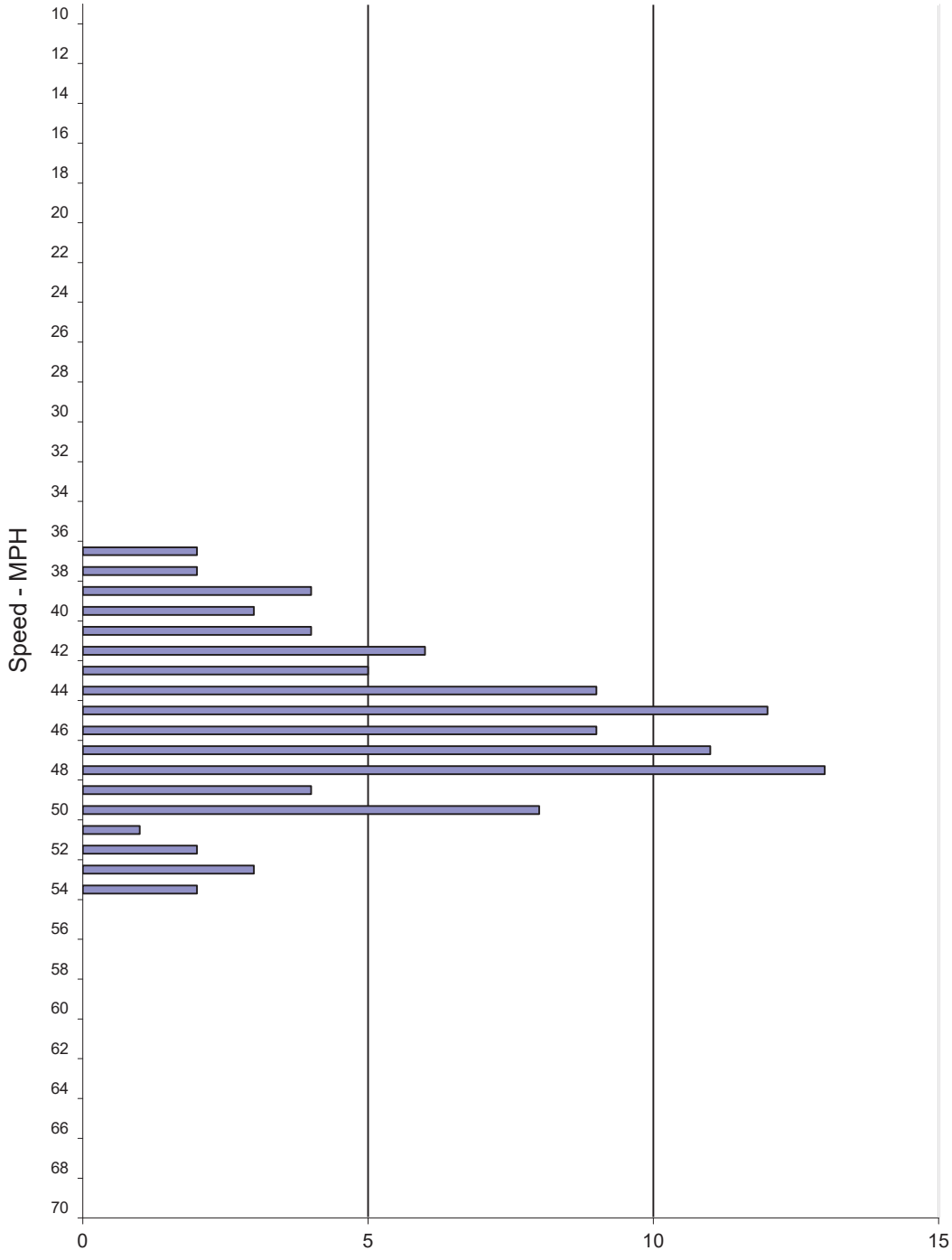
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** E Mission Rd/CR S14 W/O Avenida Chapala
TIME: 09:30-10:00 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-061

Eastbound & Westbound Spot Speeds

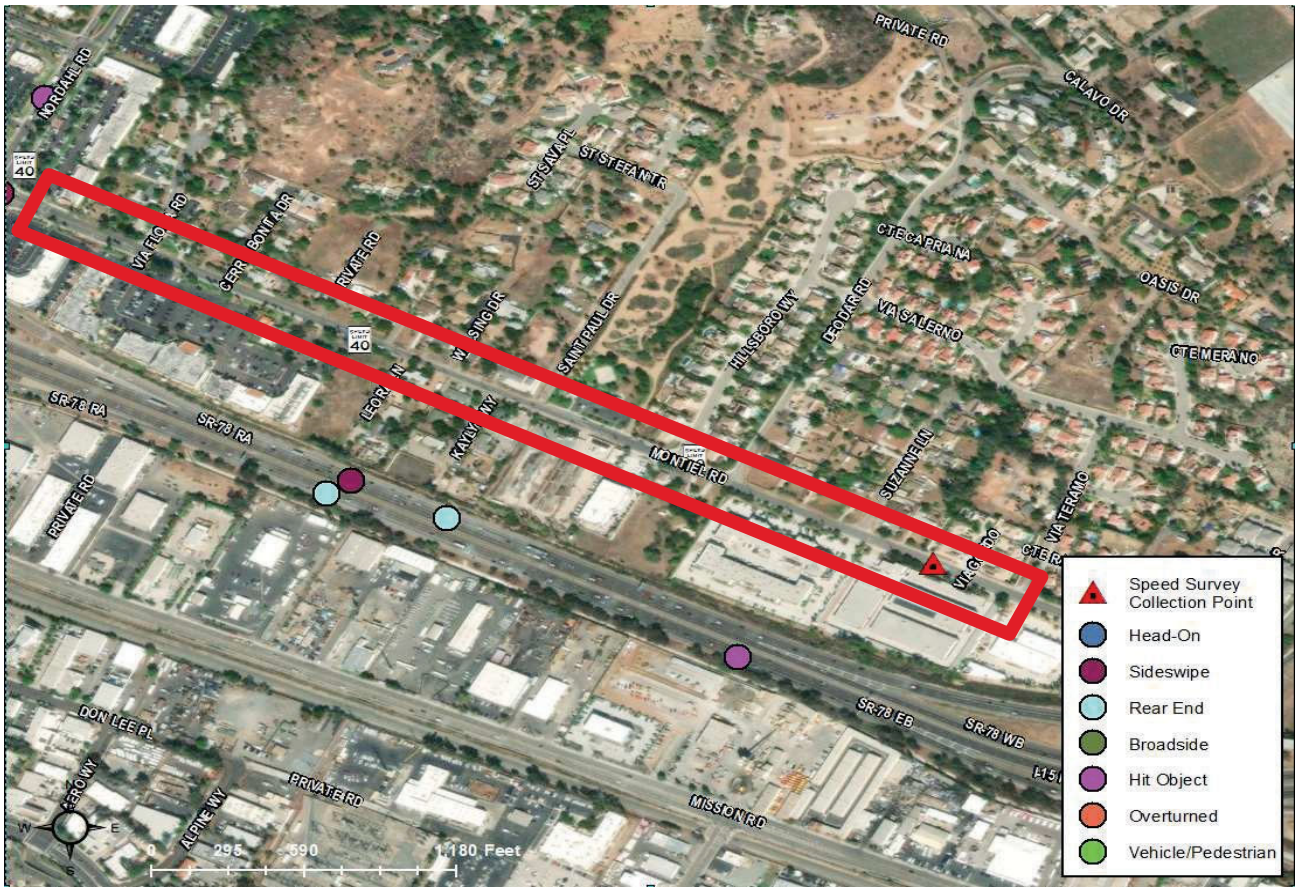
Speed mph	ALL Vehicles
<=10	
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31	
32	
33	
34	
35	
36	
37	2
38	2
39	4
40	3
41	4
42	6
43	5
44	9
45	12
46	9
47	11
48	13
49	4
50	8
51	1
52	2
53	3
54	2
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61	
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63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	37 - 54	46 mph	50 mph	41 - 50	81	81%	11% / 11	8% / 8

Roadway	Montiel Road		
Segment	Nordahl Rd to Eastern City Limits		
Pedestrian Facilities	Intermittent	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	44
Roadway Width (feet)	40	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.46/1.33
Median	Center Left Turn Lane	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

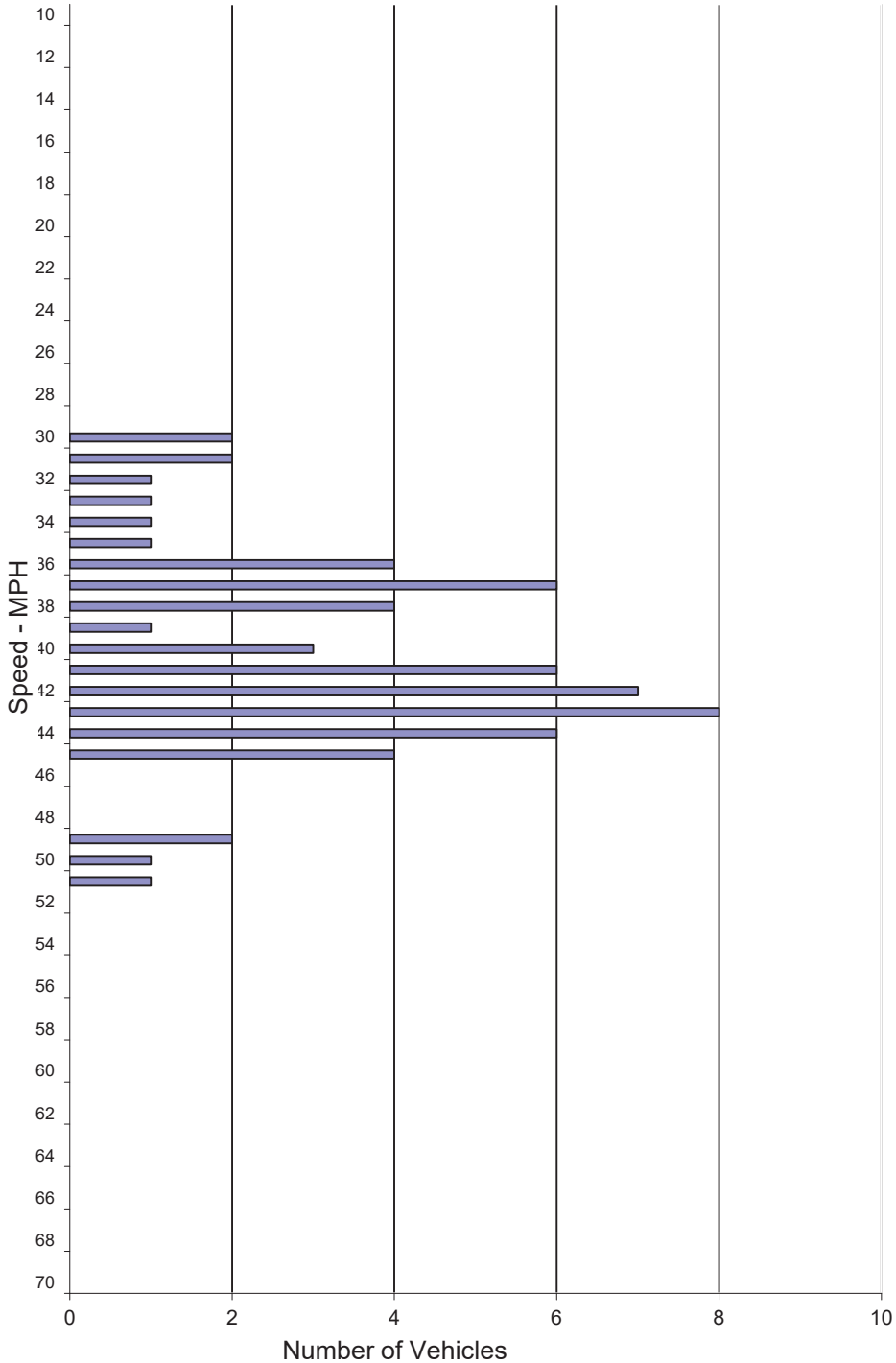
Prepared by: National Data & Surveying Services

City of Escondido

DATE: 2/2/2023 **Location:** Montiel Rd W/O Via Gordo
TIME: 13:10-14:00 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-062

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	2
31	2
32	1
33	1
34	1
35	1
36	4
37	6
38	4
39	1
40	3
41	6
42	7
43	8
44	6
45	4
46	
47	
48	
49	2
50	1
51	1
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	61	30 - 51	41 mph	44 mph	36 - 45	49	80%	13% / 8	7% / 4

Spot Speed Study

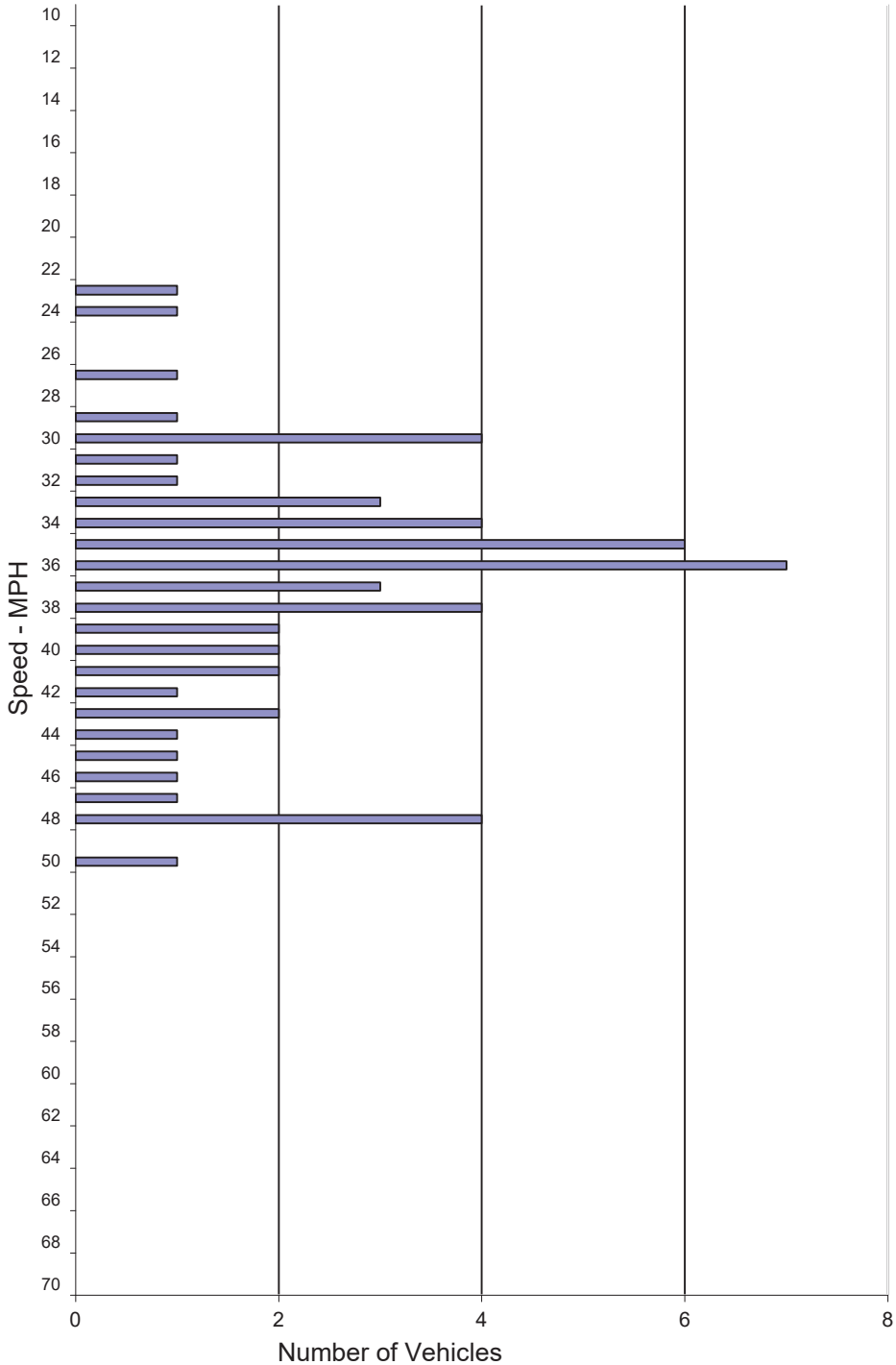
Prepared by: National Data & Surveying Services

City of Escondido

DATE: 2/2/2023 **Location:** Montiel Rd W/O Via Gordo
TIME: 13:10-14:00 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-062

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	1
25	
26	
27	1
28	
29	1
30	4
31	1
32	1
33	3
34	4
35	6
36	7
37	3
38	4
39	2
40	2
41	2
42	1
43	2
44	1
45	1
46	1
47	1
48	4
49	
50	1
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52	
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60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	23 - 50	36 mph	44 mph	30 - 39	35	64%	7% / 4	30% / 16

Spot Speed Study

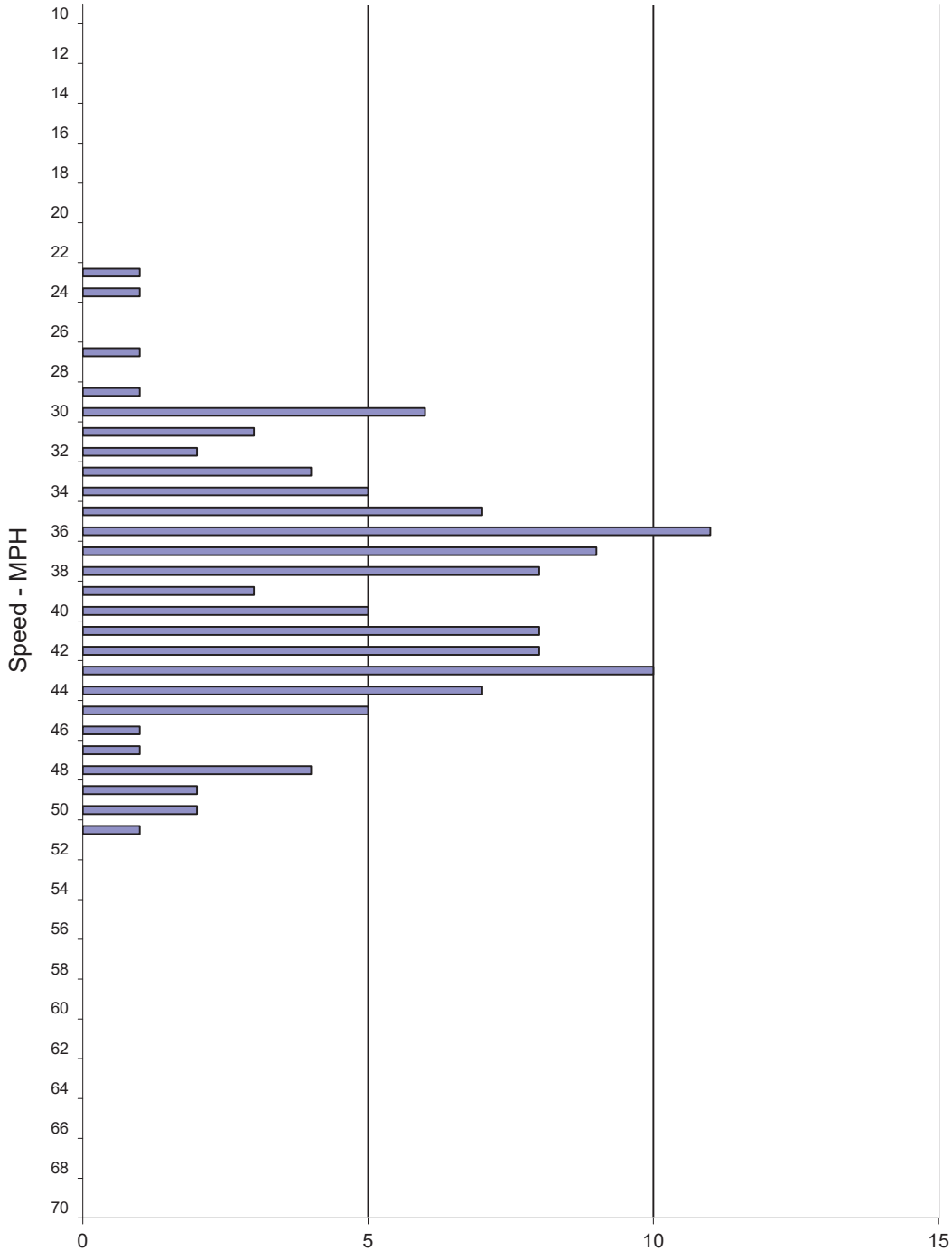
Prepared by: National Data & Surveying Services

City of Escondido

DATE: 2/2/2023 **Location:** Montiel Rd W/O Via Gordo
TIME: 13:10-14:00 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-062

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	1
25	
26	
27	1
28	
29	1
30	6
31	3
32	2
33	4
34	5
35	7
36	11
37	9
38	8
39	3
40	5
41	8
42	8
43	10
44	7
45	5
46	1
47	1
48	4
49	2
50	2
51	1
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	116	23 - 51	38 mph	44 mph	35 - 44	76	66%	20% / 24	14% / 16

Roadway	Mulberry Drive		
Segment	Olive St to La Cienega Rd		
Pedestrian Facilities	No	Posted Speed Limit	40
Bicycle Facilities	No	85th Percentile Speed	43
Roadway Width (feet)	32	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Mulberry Drive **Segment:** Olive Street to La Cienega Road

Date/Time: 5/8/2024 9:00 AM - 11:15 AM **Direction:** East-West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
	XX	2%	100%
50	X	1%	98%
	XXXXXX	6%	97%
45	XX	2%	91%
	XXX	3%	89%
	XXXXX	5%	86%
	XXXXXXX	7%	81%
	XXXXXXX	7%	74%
40	XXXXX	5%	67%
	XXXXXXXX	8%	62%
	XXXXX	5%	54%
	XXXXXXX	7%	49%
	XXXXXXXXXX	10%	42%
35	XXXXXXXX	8%	32%
	XXXXXXXXX	9%	24%
	XXXXXX	6%	15%
	XXXXX	5%	9%
	XX	2%	4%
30			
	X	1%	2%
	X	1%	1%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	38 mph	43 mph	33-42 mph	72	72%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Mulberry Drive **Segment:** Olive Street to La Cienega Road

Date/Time: 5/8/2024 9:00 AM - 11:15 AM **Direction:** East

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
	XX	4%	100%
50	X	2%	96%
	XXXX	8%	94%
45	XX	4%	86%
	XX	4%	82%
	XX	4%	78%
	XXX	6%	74%
	XXX	6%	68%
40	XXXXX	10%	62%
	XXX	6%	52%
	XX	4%	46%
	XXX	6%	42%
	XXX	6%	36%
35	XXX	6%	30%
	XXXX	8%	24%
	XXXX	8%	16%
	XXX	6%	8%
	X	2%	2%
30			
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	39 mph	45 mph	33-42 mph	33	66%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Mulberry Drive **Segment:** Olive Street to La Cienega Road

Date/Time: 5/8/2024 9:00 AM - 11:15 AM **Direction:** West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
	XX	4%	100%
45			
	X	2%	96%
	XXX	6%	94%
	XXXX	8%	88%
	XXXX	8%	80%
40			
	XXXXX	10%	72%
	XXX	6%	62%
	XXXX	8%	56%
	XXXXXXX	14%	48%
35	XXXXX	10%	34%
	XXXXX	10%	24%
	XX	4%	14%
	XX	4%	10%
	X	2%	6%
30			
	X	2%	4%
	X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	37 mph	42 mph	34-43 mph	40	80%

Roadway	Mulberry Drive		
Segment	La Cienega Rd to Rose Ranch Rd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	39
Roadway Width (feet)	40	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.85/1.33
Median	Center Left Turn Lane	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

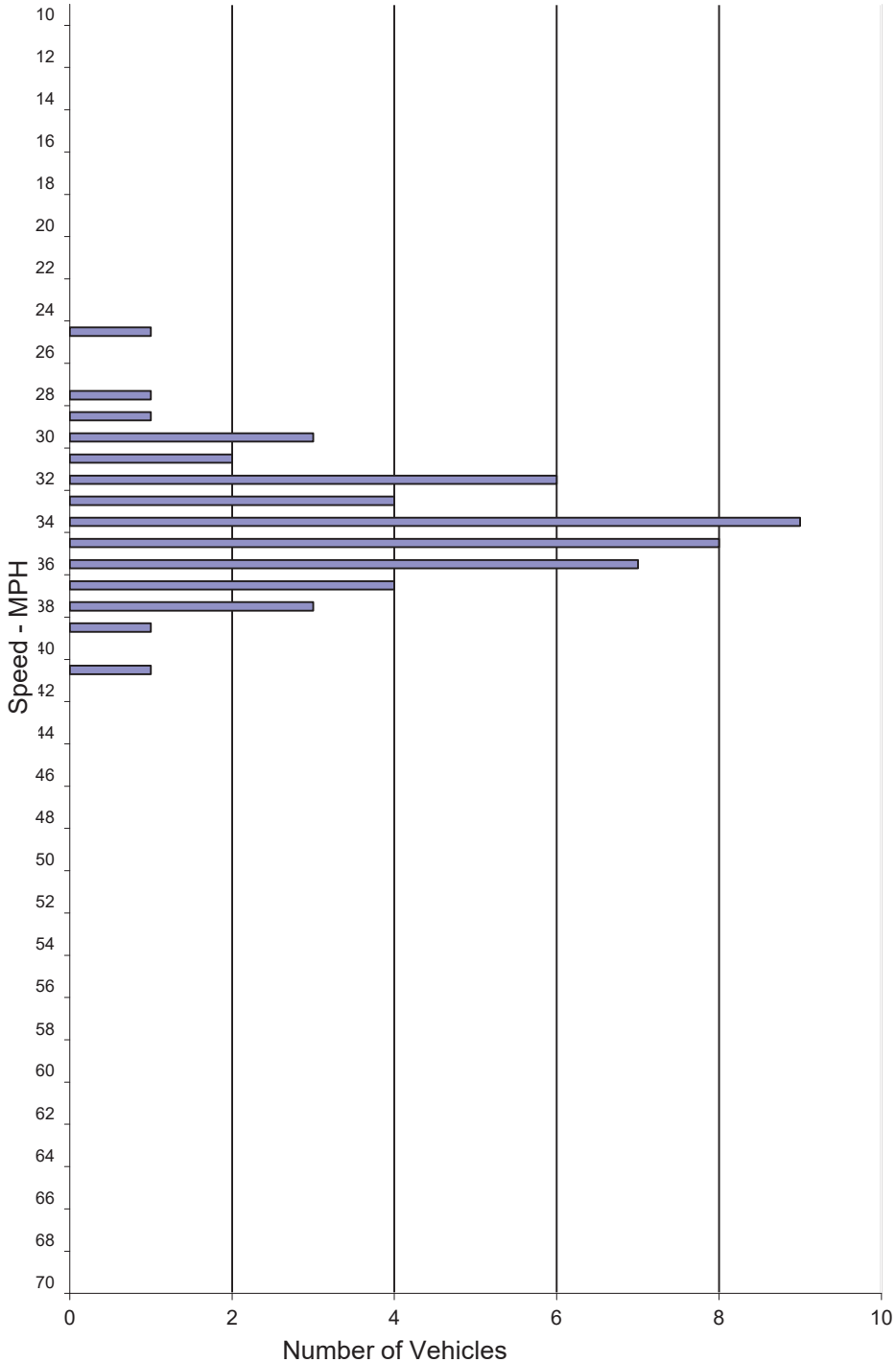
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Mulberry Dr S/O Selena Dr
TIME: 13:40-14:25 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-099

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	1
26	
27	
28	1
29	1
30	3
31	2
32	6
33	4
34	9
35	8
36	7
37	4
38	3
39	1
40	
41	1
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	51	25 - 41	34 mph	37 mph	29 - 38	47	92%	3% / 2	4% / 2

Spot Speed Study

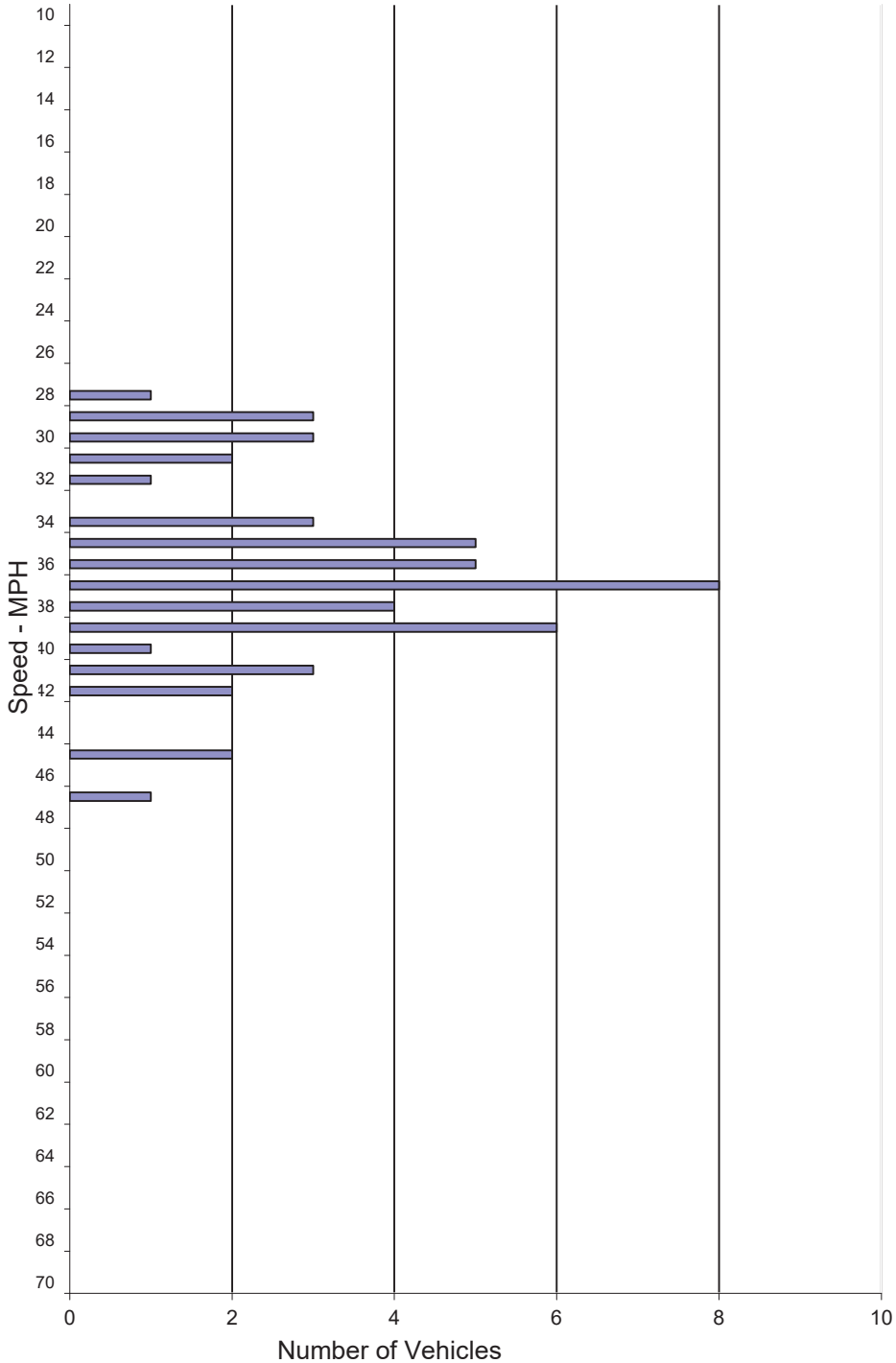
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Mulberry Dr S/O Selena Dr
TIME: 13:40-14:25 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-099

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	1
29	3
30	3
31	2
32	1
33	
34	3
35	5
36	5
37	8
38	4
39	6
40	1
41	3
42	2
43	
44	
45	2
46	
47	1
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	28 - 47	37 mph	41 mph	30 - 39	37	74%	8% / 4	18% / 9

Spot Speed Study

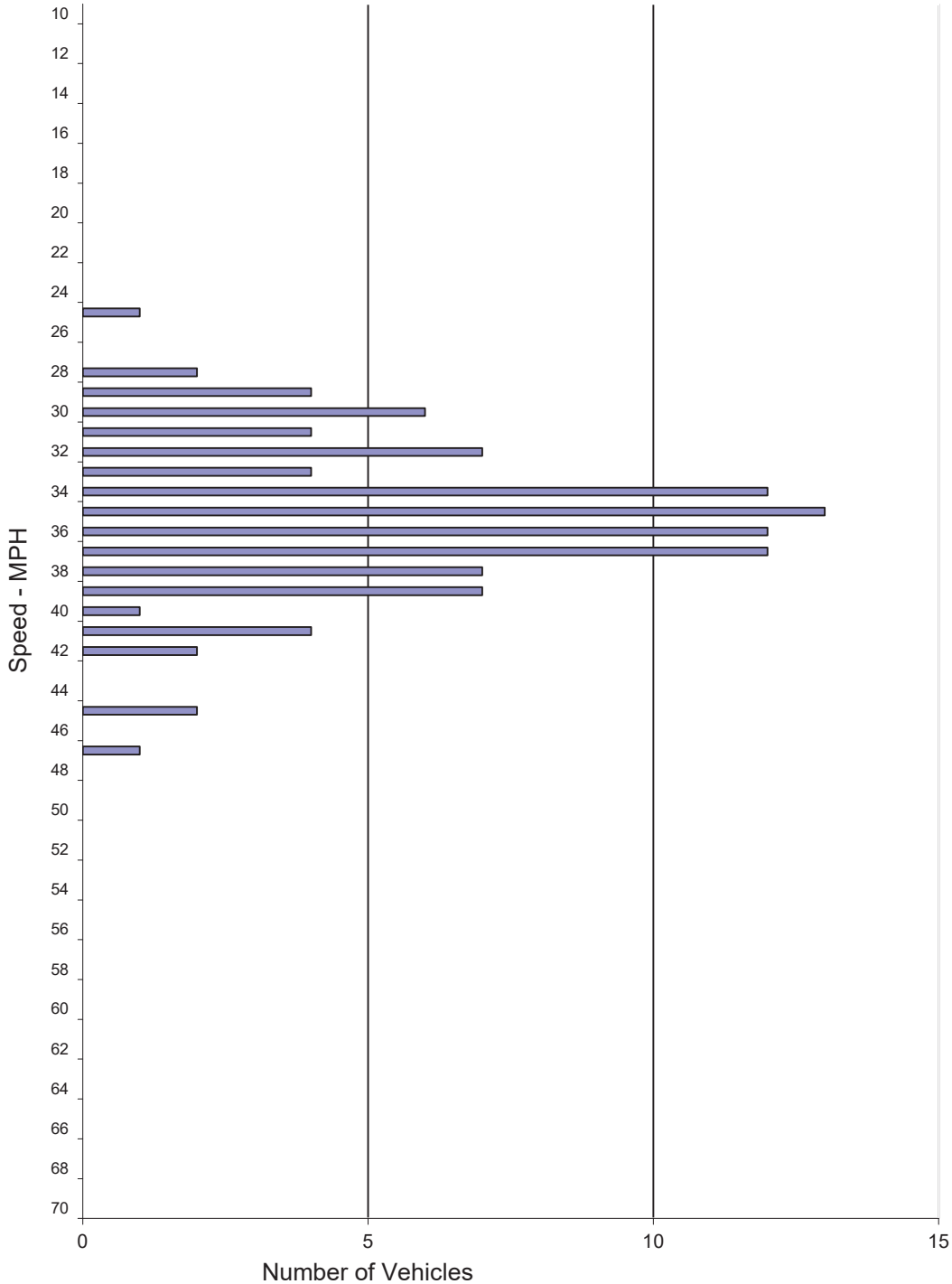
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Mulberry Dr S/O Selena Dr
TIME: 13:40-14:25 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-099

Northbound & Southbound Spot Speeds

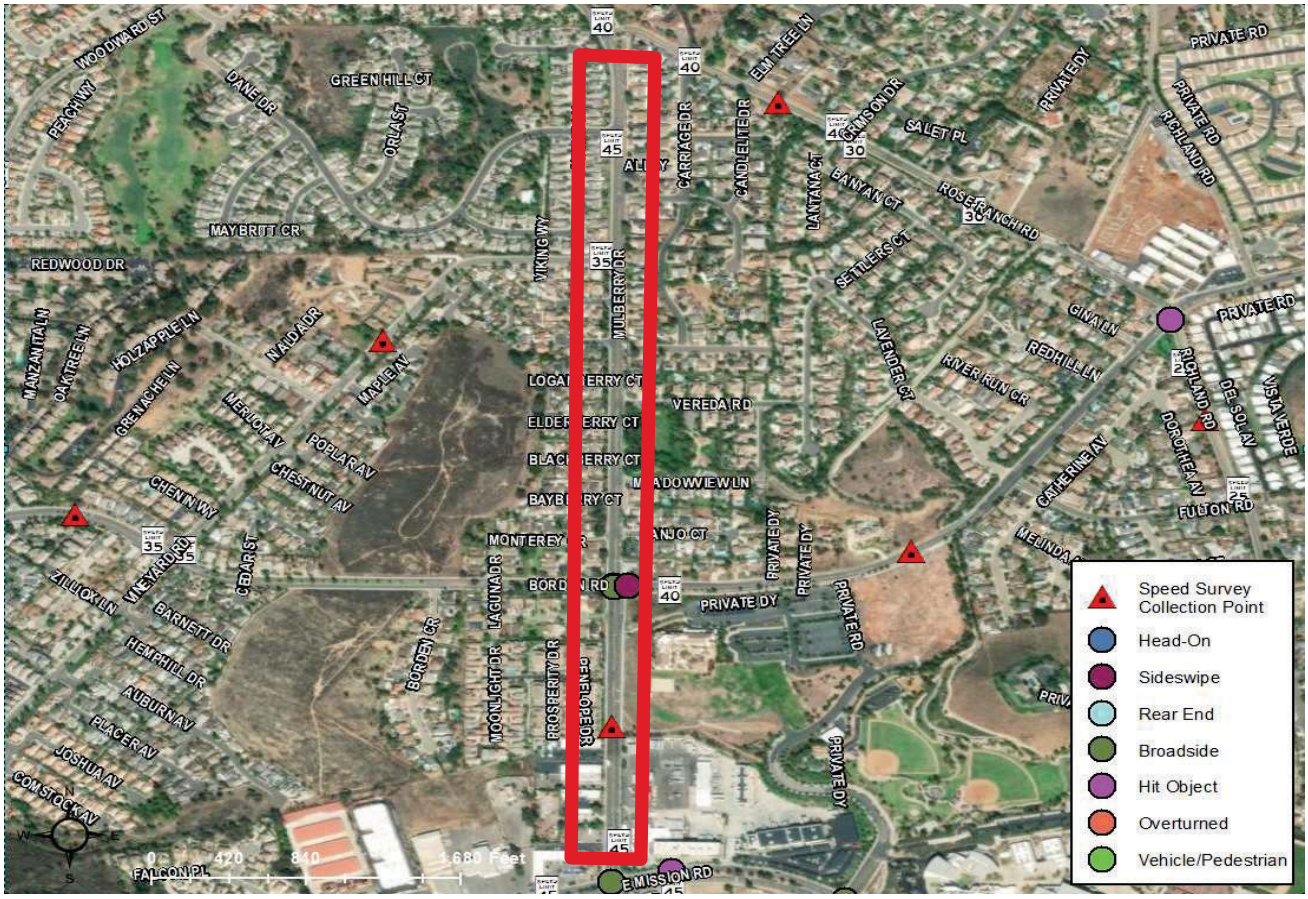
Speed mph	ALL Vehicles
<=10	
11	
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13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	1
26	
27	
28	2
29	4
30	6
31	4
32	7
33	4
34	12
35	13
36	12
37	12
38	7
39	7
40	1
41	4
42	2
43	
44	
45	2
46	
47	1
48	
49	
50	
51	
52	
53	
54	
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65	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	101	25 - 47	35 mph	39 mph	30 - 39	84	83%	6% / 7	10% / 10

Roadway	Mulberry Drive		
Segment	Rose Ranch Rd to Mission Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	44
Roadway Width (feet)	64	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	1.53/0.84
Median	Center Left Turn Lane	2019, District 11, Urban, 4 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

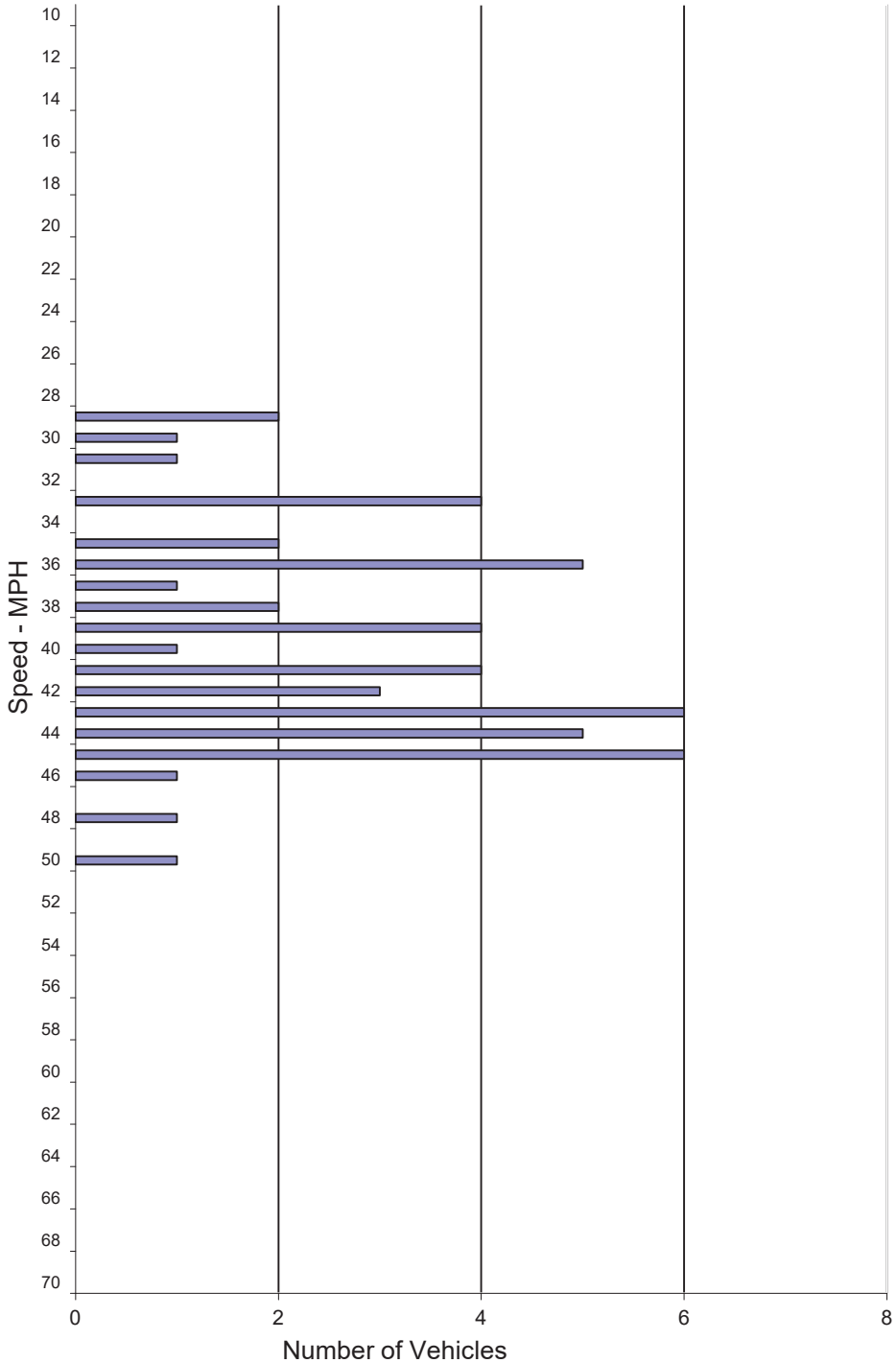
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Mulberry Dr S/O Mission Grove Rd
TIME: 13:00-13:27 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-077

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	2
30	1
31	1
32	
33	4
34	
35	2
36	5
37	1
38	2
39	4
40	1
41	4
42	3
43	6
44	5
45	6
46	1
47	
48	1
49	
50	1
51	
52	
53	
54	
55	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	29 - 50	41 mph	45 mph	36 - 45	37	74%	20% / 10	6% / 3

Spot Speed Study

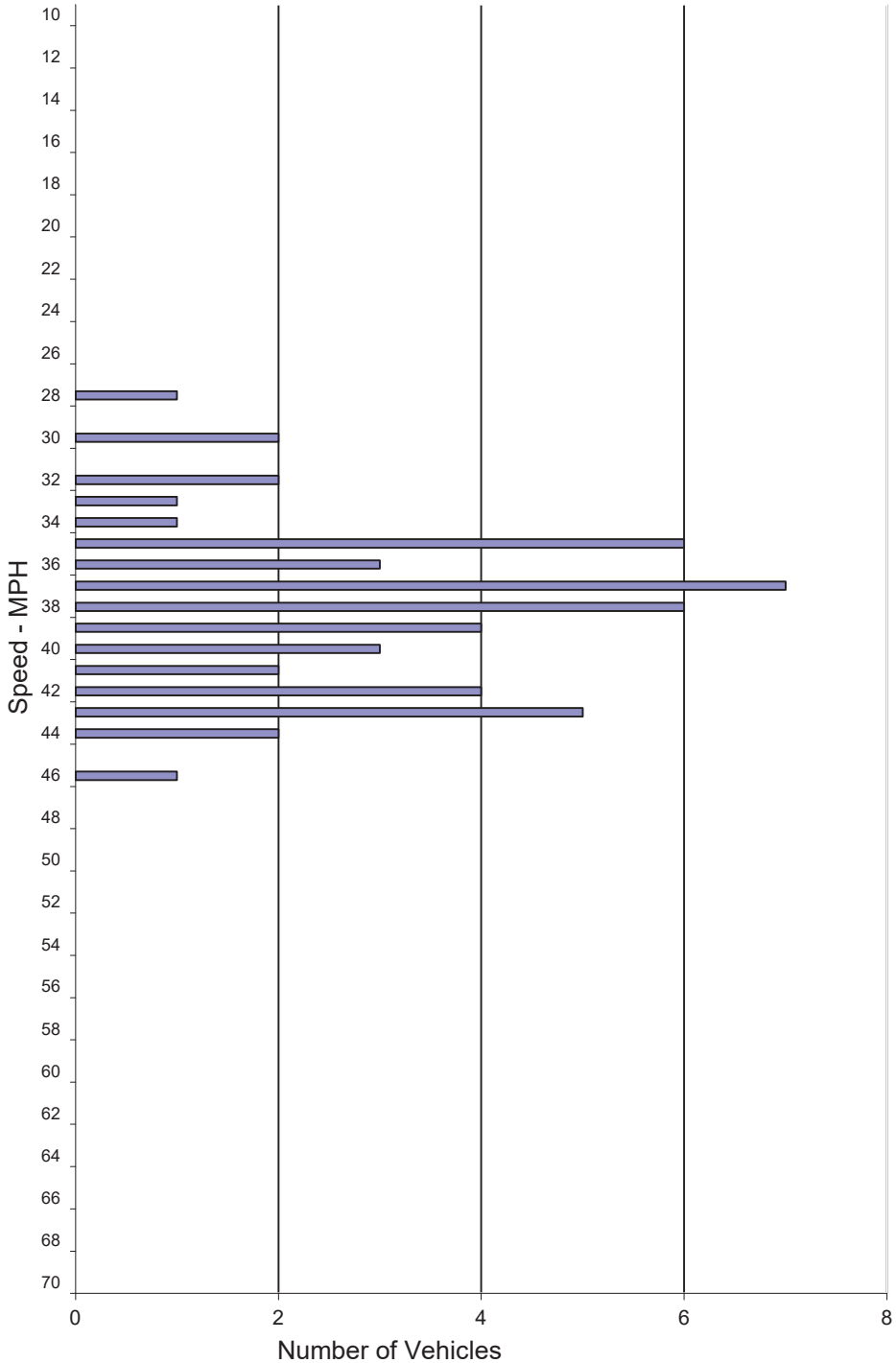
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Mulberry Dr S/O Mission Grove Rd
TIME: 13:00-13:27 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-077

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	1
29	
30	2
31	
32	2
33	1
34	1
35	6
36	3
37	7
38	6
39	4
40	3
41	2
42	4
43	5
44	2
45	
46	1
47	
48	
49	
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51	
52	
53	
54	
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59	
60	
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62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	28 - 46	38 mph	43 mph	35 - 44	42	84%	14% / 7	2% / 1

Spot Speed Study

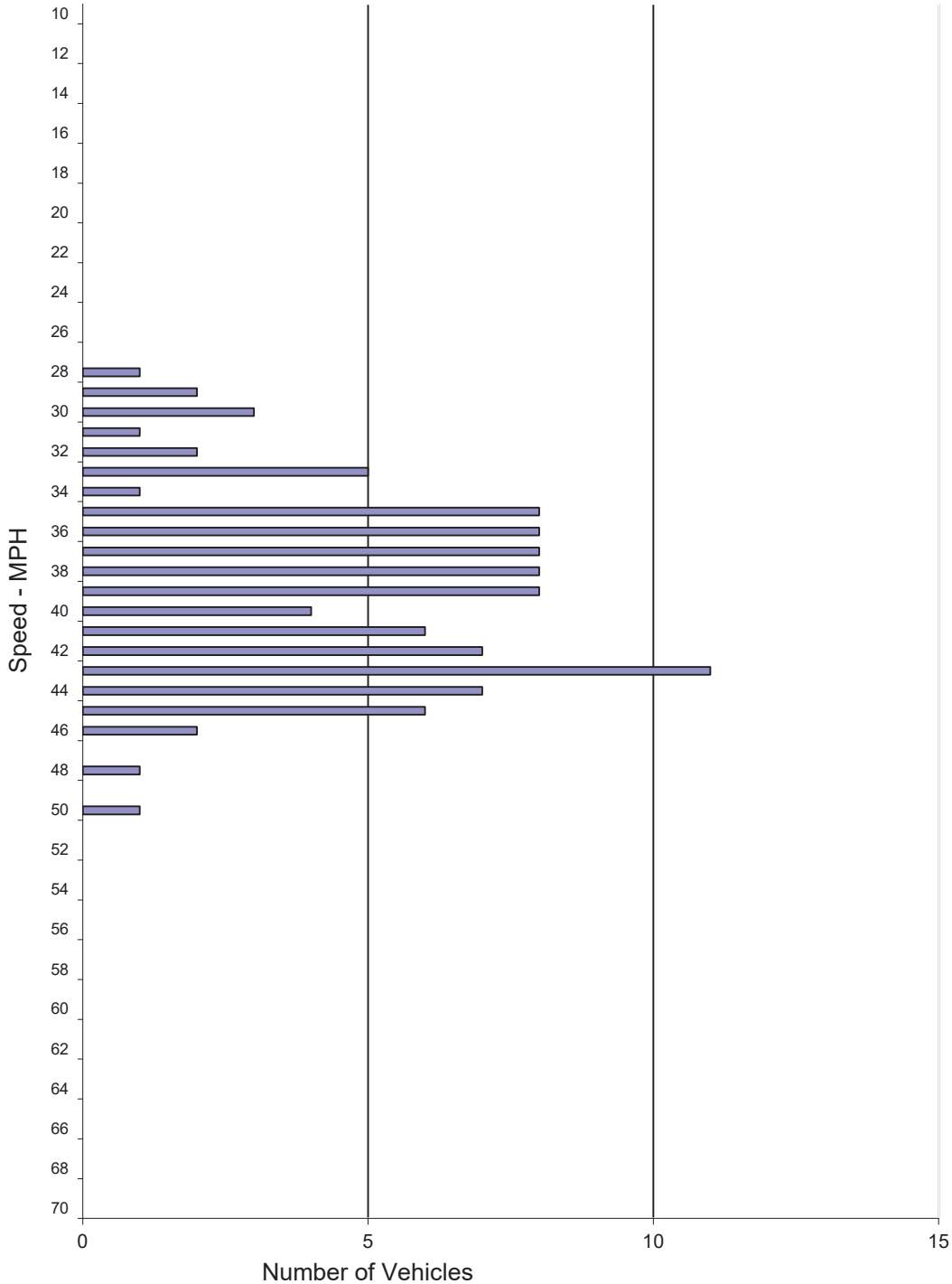
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Mulberry Dr S/O Mission Grove Rd
TIME: 13:00-13:27 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-077

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	1
29	2
30	3
31	1
32	2
33	5
34	1
35	8
36	8
37	8
38	8
39	8
40	4
41	6
42	7
43	11
44	7
45	6
46	2
47	
48	1
49	
50	1
51	
52	
53	
54	
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65	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	28 - 50	39 mph	44 mph	35 - 44	75	75%	15% / 15	10% / 10

Roadway	Nordahl Road		
Segment	Knob Hill Rd to Montiel Rd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	39
Roadway Width (feet)	60	Recommended Speed Limit	40
No. of Striped Lanes	3	Collision Rate/Statewide Collision Rate*	0.61/1.33
Median	Raised	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

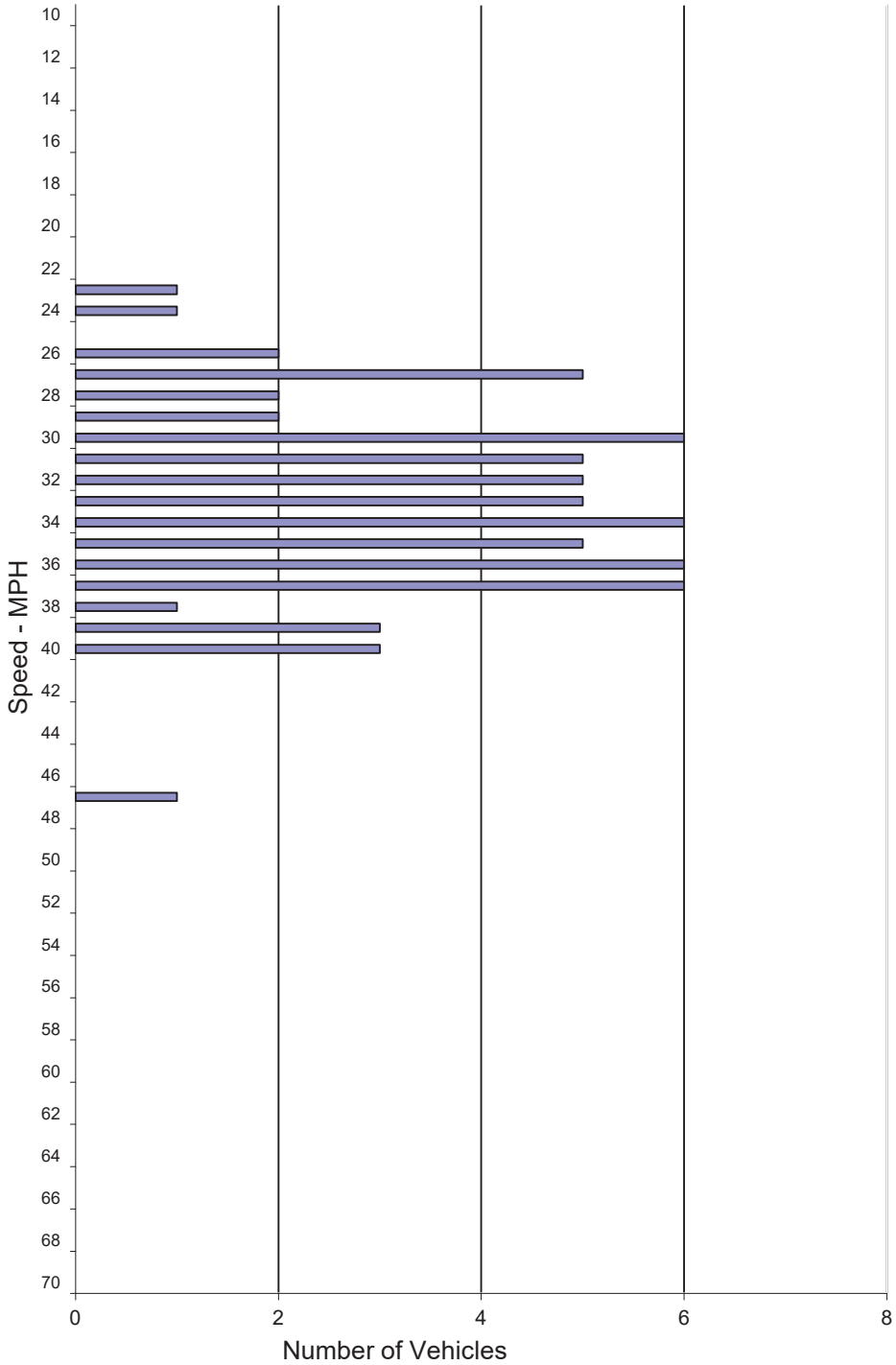
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Nordahl Rd S/O Matin Cir
TIME: 14:42-15:15 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-004

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	1
25	
26	2
27	5
28	2
29	2
30	6
31	5
32	5
33	5
34	6
35	5
36	6
37	6
38	1
39	3
40	3
41	
42	
43	
44	
45	
46	
47	1
48	
49	
50	
51	
52	
53	
54	
55	
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60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	65	23 - 47	33 mph	37 mph	28 - 37	48	74%	13% / 9	13% / 8

Spot Speed Study

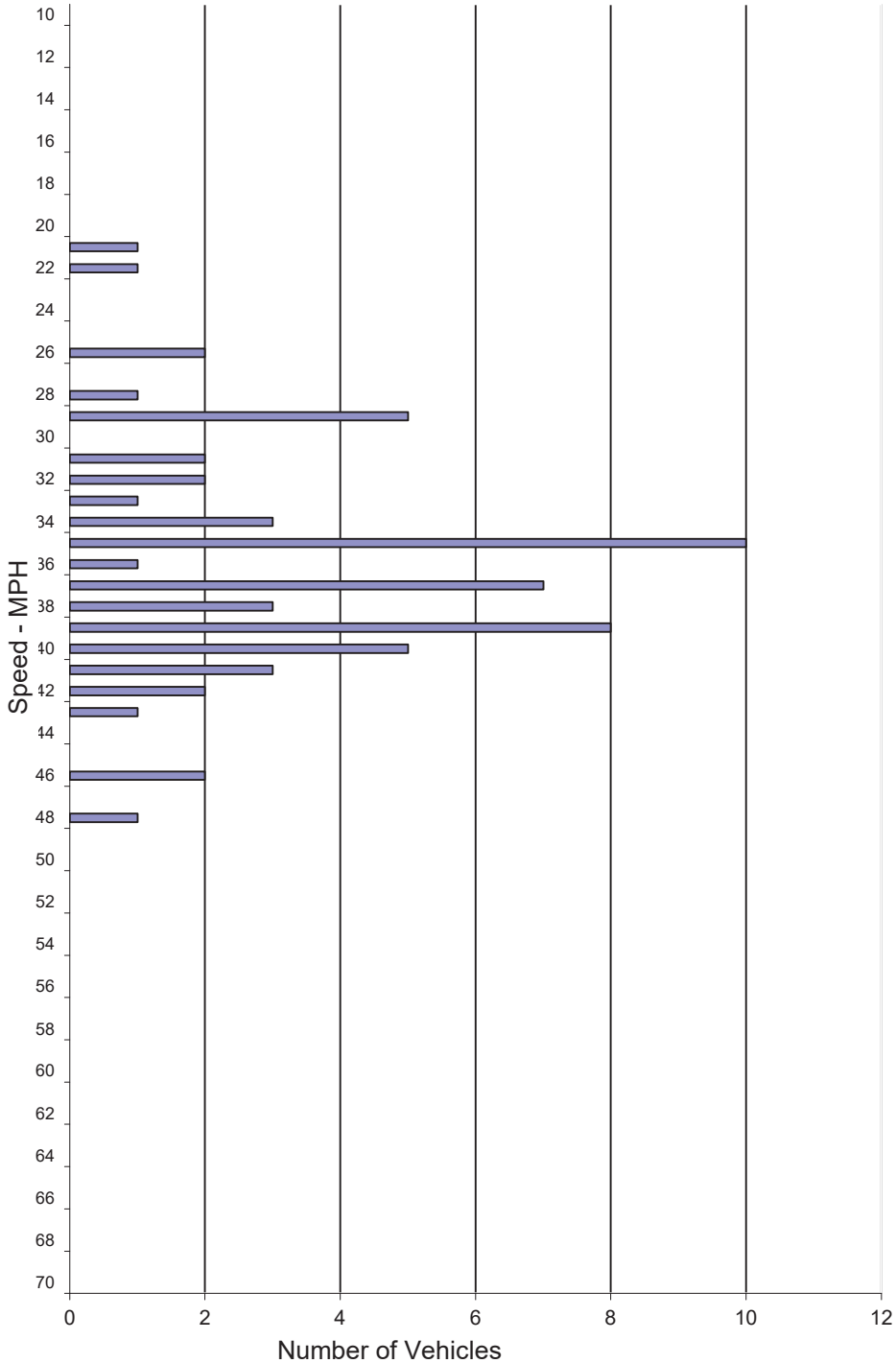
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Nordahl Rd S/O Matin Cir
TIME: 14:42-15:15 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-004

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	1
22	1
23	
24	
25	
26	2
27	
28	1
29	5
30	
31	2
32	2
33	1
34	3
35	10
36	1
37	7
38	3
39	8
40	5
41	3
42	2
43	1
44	
45	
46	2
47	
48	1
49	
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63	
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65	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	61	21 - 48	37 mph	40 mph	32 - 41	43	70%	19% / 12	10% / 6

Spot Speed Study

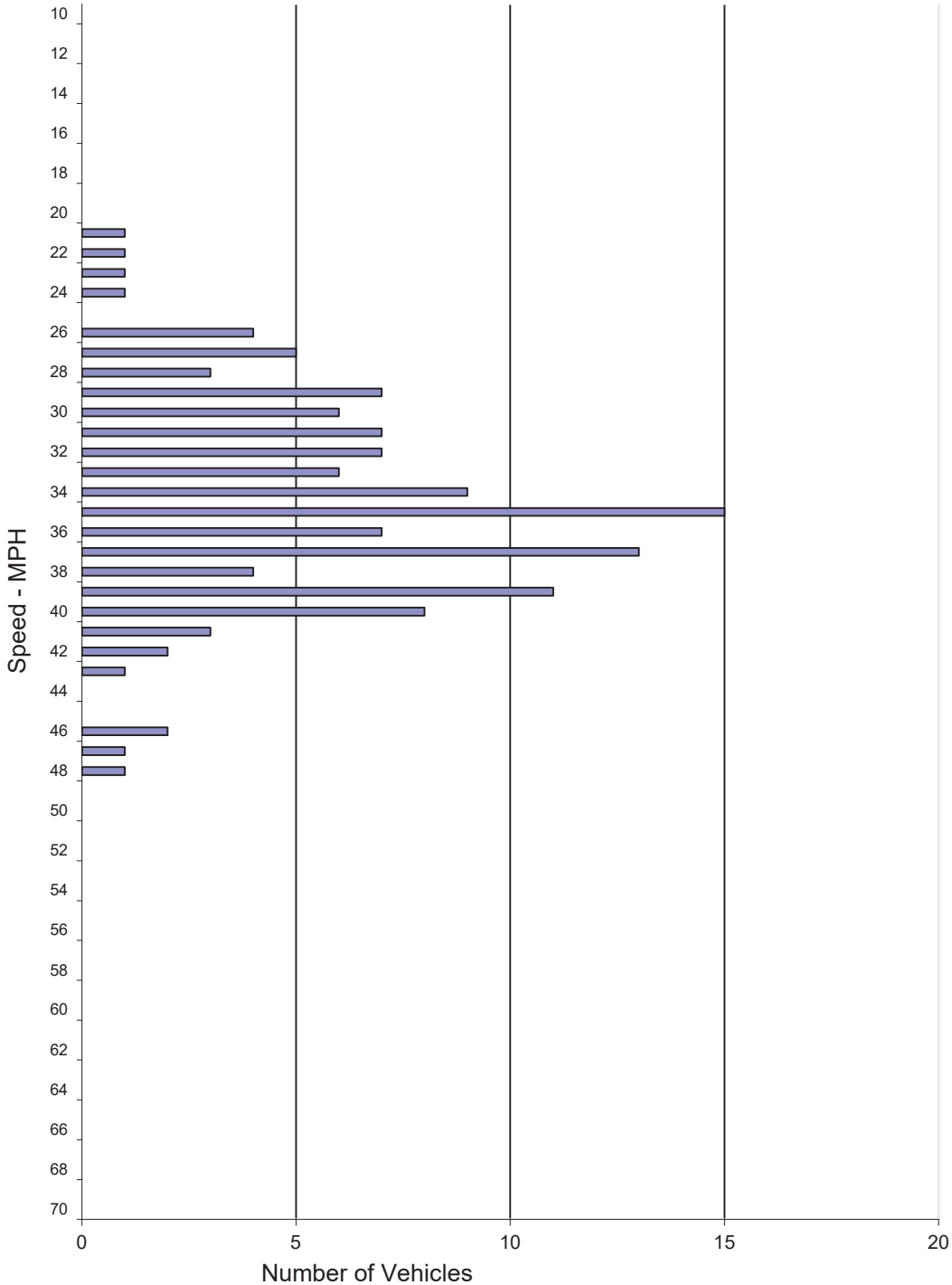
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Nordahl Rd S/O Matin Cir
TIME: 14:42-15:15 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-004

Northbound & Southbound Spot Speeds

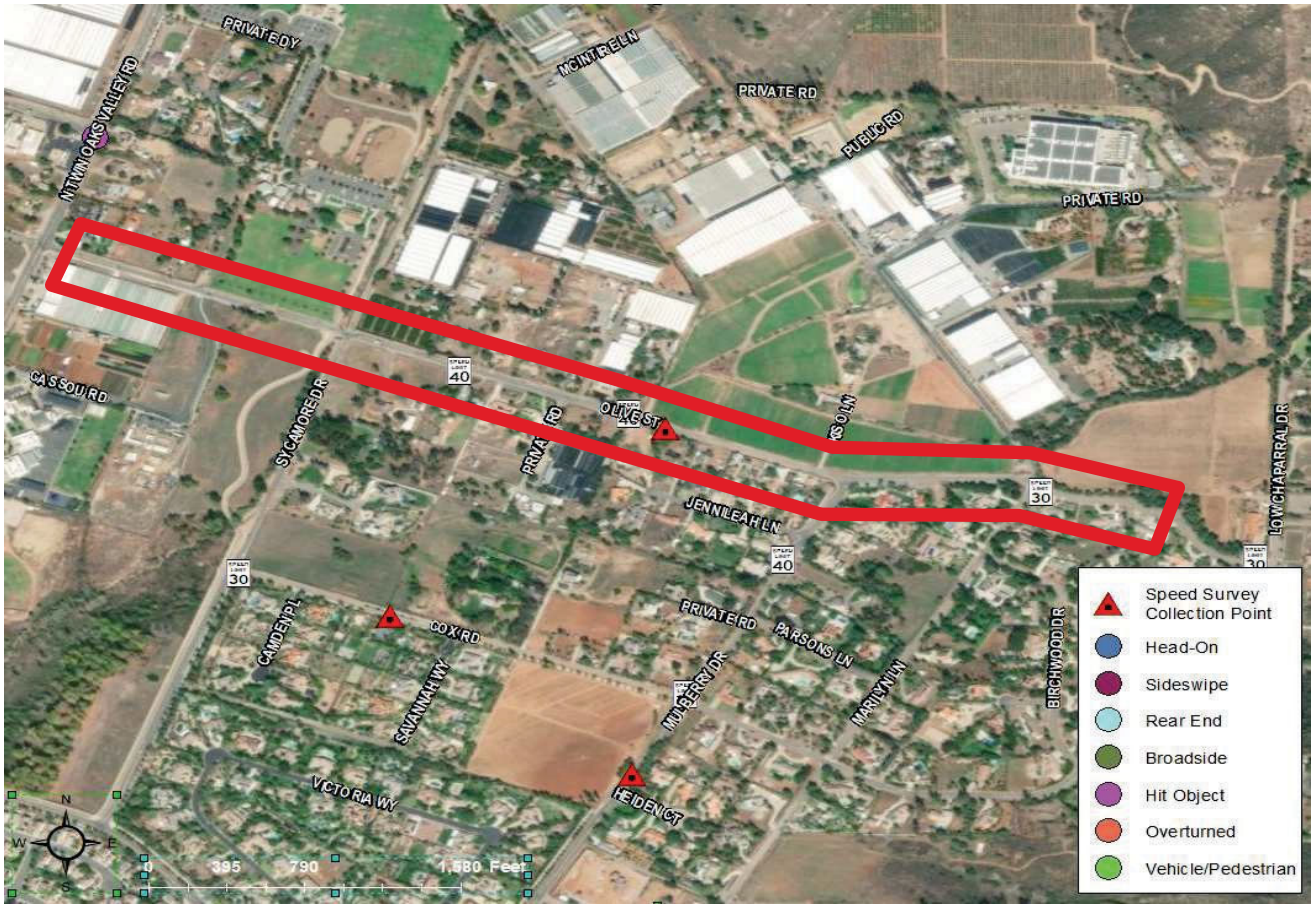
Speed mph	ALL Vehicles
<=10	
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16	
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18	
19	
20	
21	1
22	1
23	1
24	1
25	
26	4
27	5
28	3
29	7
30	6
31	7
32	7
33	6
34	9
35	15
36	7
37	13
38	4
39	11
40	8
41	3
42	2
43	1
44	
45	
46	2
47	1
48	1
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61	
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64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	126	21 - 48	35 mph	39 mph	31 - 40	87	69%	23% / 29	8% / 10

Roadway	Olive Street		
Segment	Twin Oaks Valley Rd to Low Chaparral Dr		
Pedestrian Facilities	Intermittent	Posted Speed Limit	40
Bicycle Facilities	No	85th Percentile Speed	44
Roadway Width (feet)	32	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.58/1.33
	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

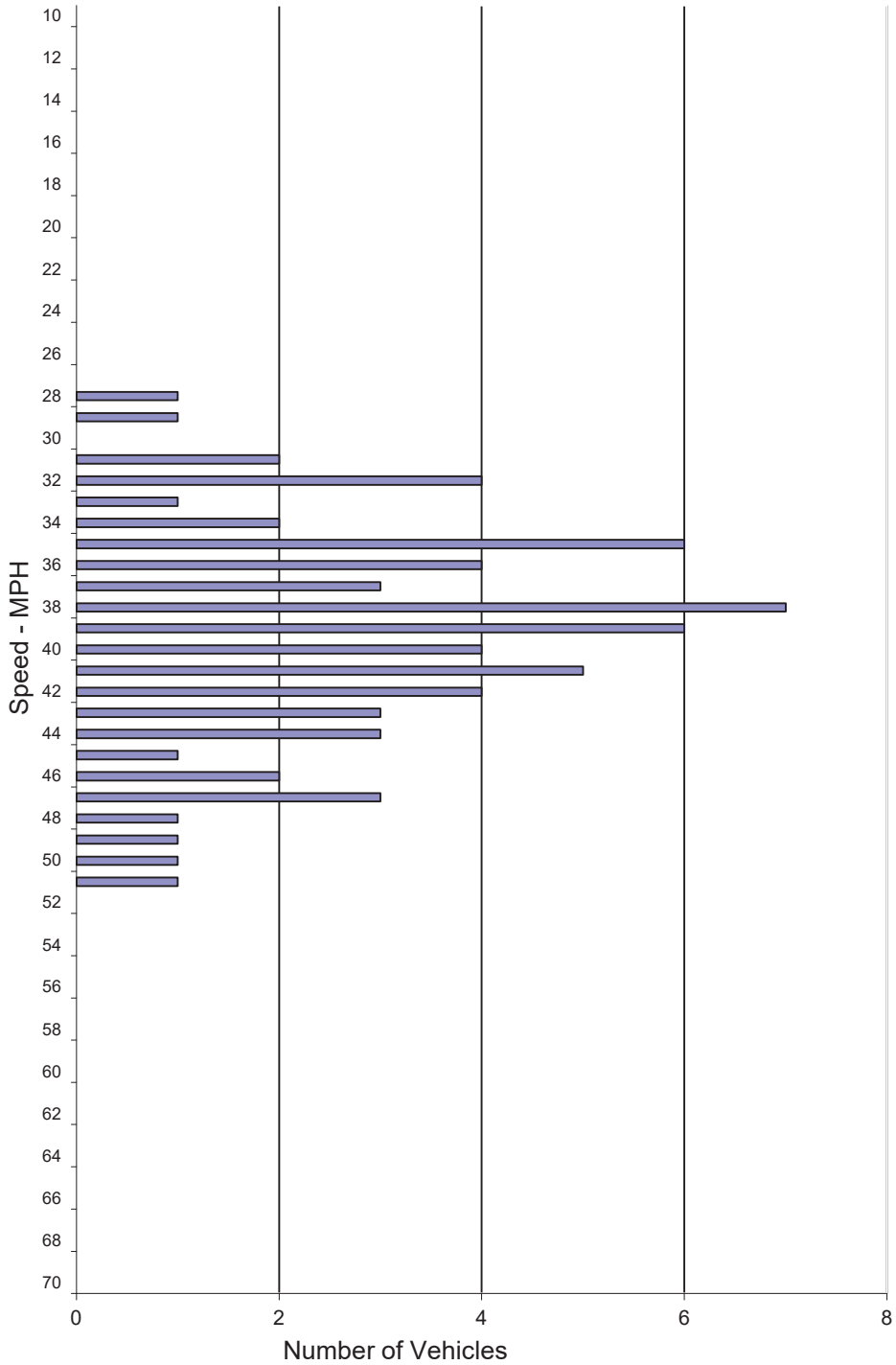
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Olive St W/O Kiso Ln
TIME: 09:40-10:30 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-078

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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13	
14	
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16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	1
29	1
30	
31	2
32	4
33	1
34	2
35	6
36	4
37	3
38	7
39	6
40	4
41	5
42	4
43	3
44	3
45	1
46	2
47	3
48	1
49	1
50	1
51	1
52	
53	
54	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	66	28 - 51	39 mph	45 mph	35 - 44	45	68%	16% / 11	16% / 10

Spot Speed Study

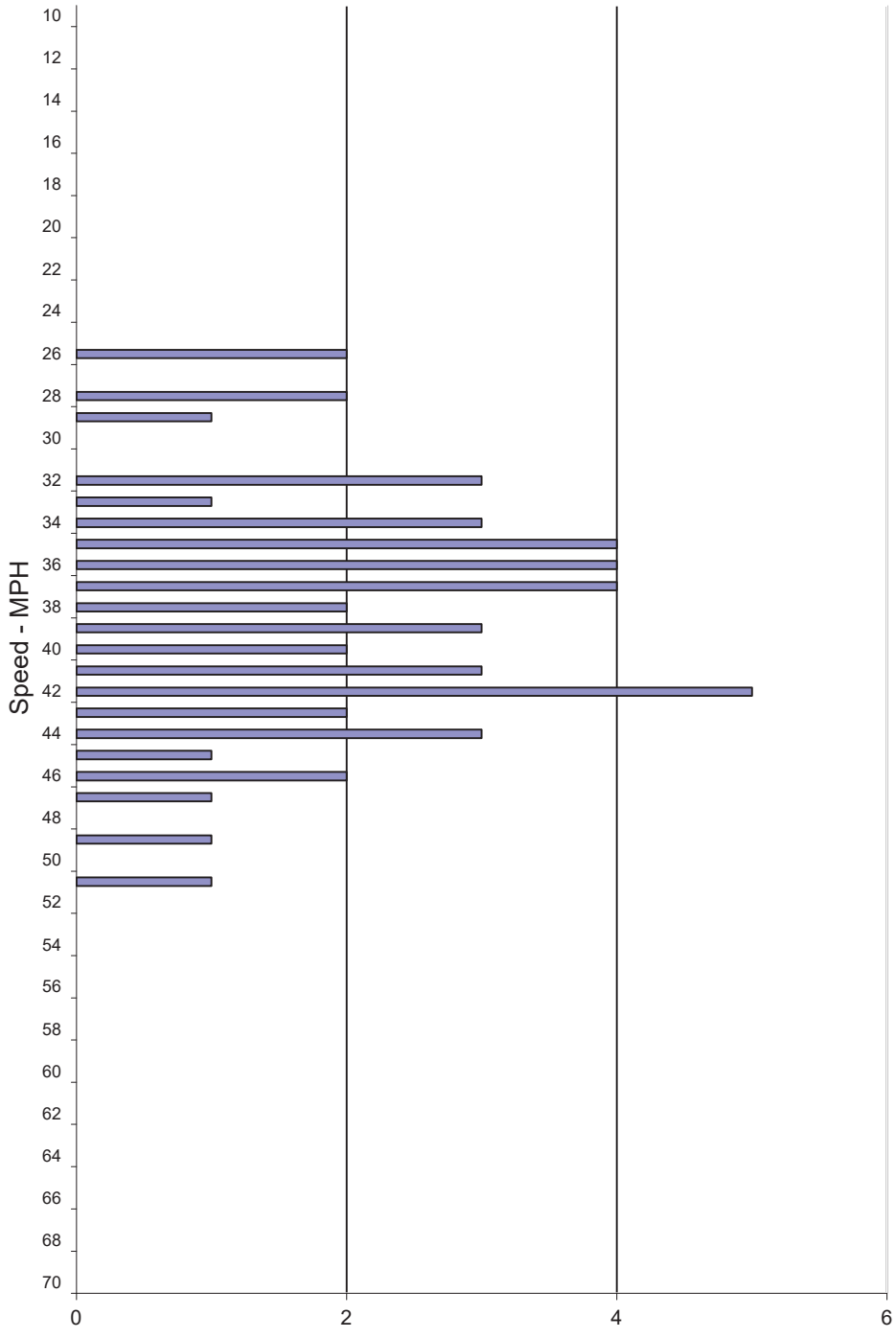
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Olive St W/O Kiso Ln
TIME: 09:40-10:30 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-078

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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23	
24	
25	
26	2
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28	2
29	1
30	
31	
32	3
33	1
34	3
35	4
36	4
37	4
38	2
39	3
40	2
41	3
42	5
43	2
44	3
45	1
46	2
47	1
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49	1
50	
51	1
52	
53	
54	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	26 - 51	38 mph	44 mph	34 - 43	32	64%	18% / 9	18% / 9

Spot Speed Study

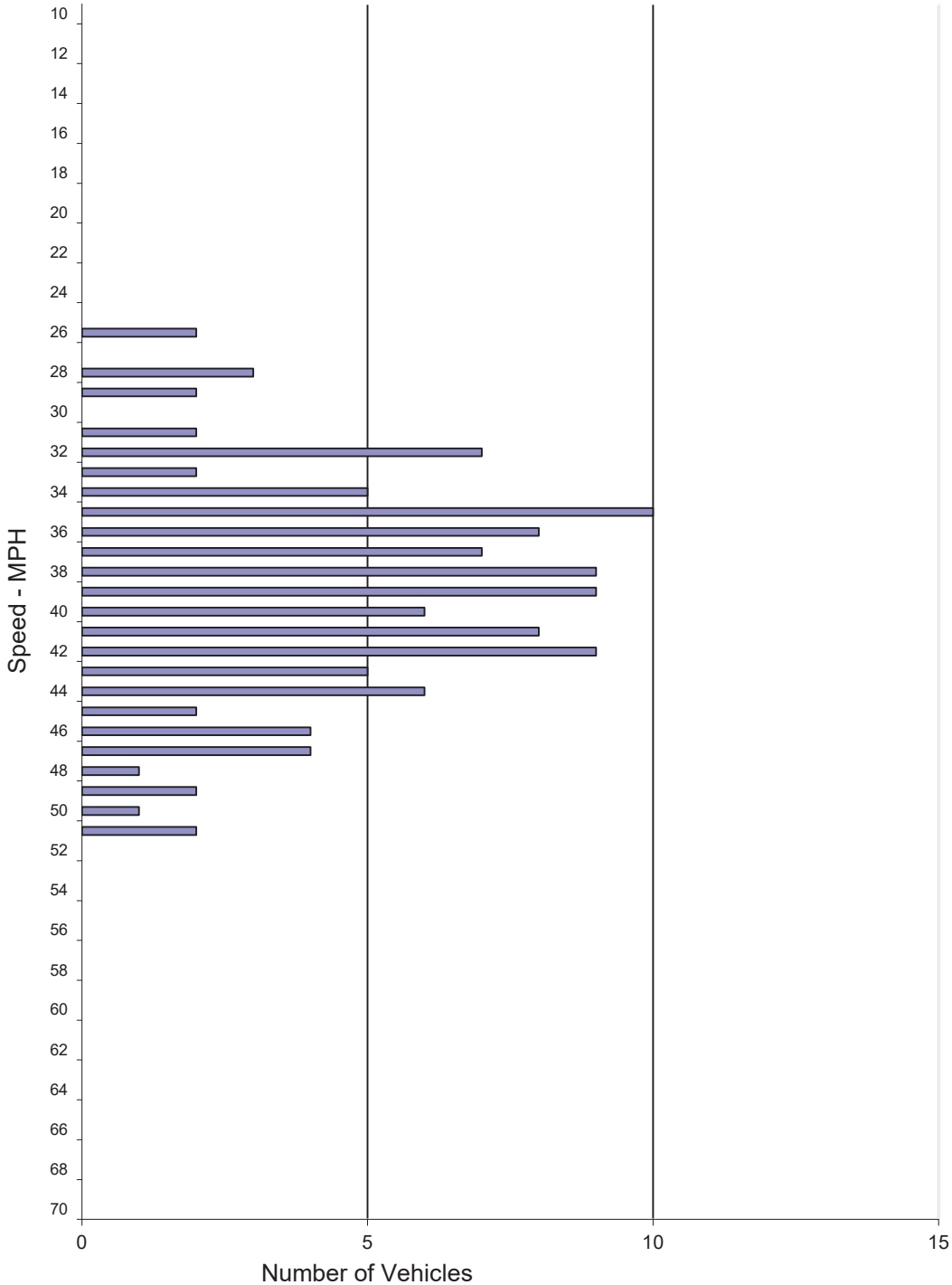
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Olive St W/O Kiso Ln
TIME: 09:40-10:30 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-078

Eastbound & Westbound Spot Speeds

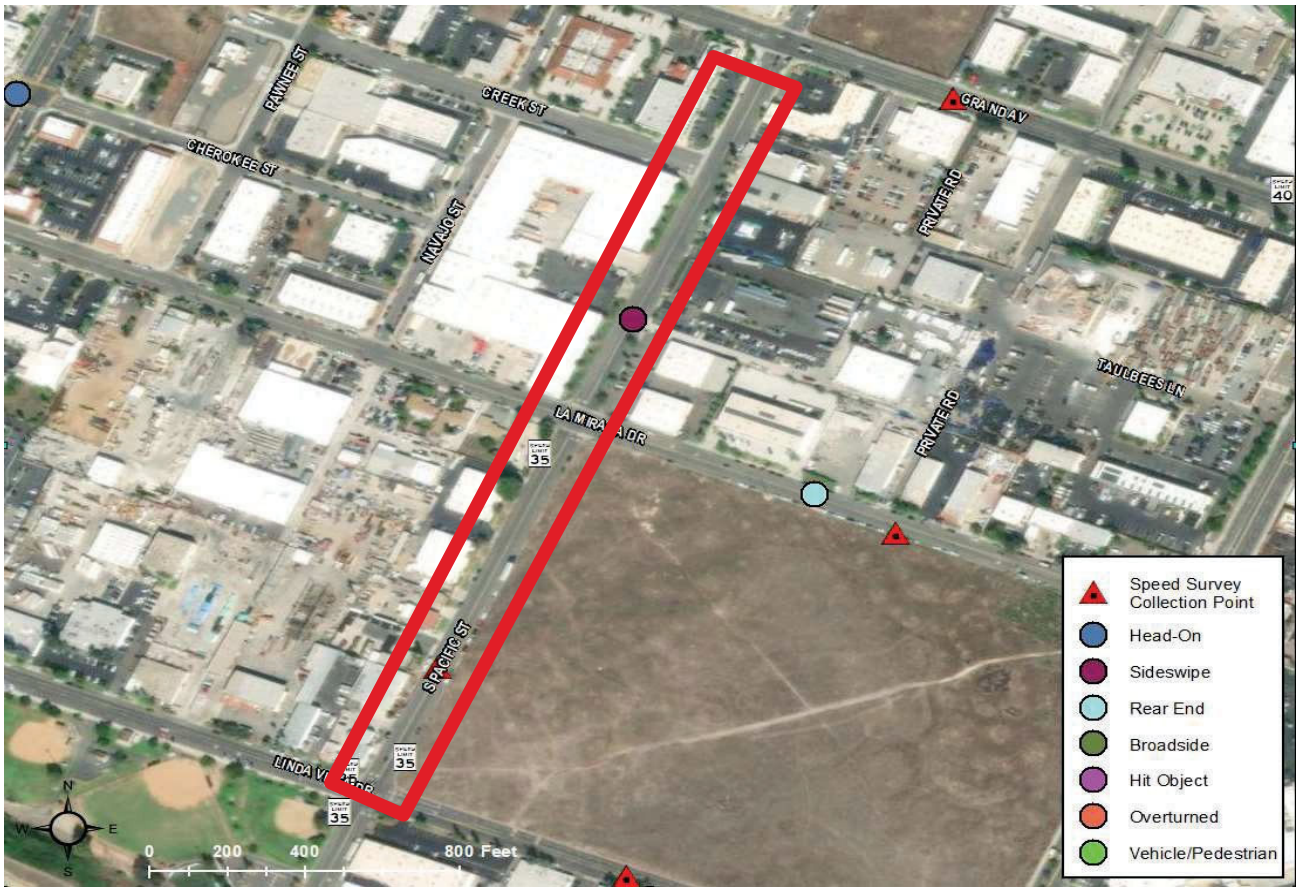
Speed mph	ALL Vehicles
<=10	
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23	
24	
25	
26	2
27	
28	3
29	2
30	
31	2
32	7
33	2
34	5
35	10
36	8
37	7
38	9
39	9
40	6
41	8
42	9
43	5
44	6
45	2
46	4
47	4
48	1
49	2
50	1
51	2
52	
53	
54	
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63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	116	26 - 51	39 mph	44 mph	35 - 44	77	66%	19% / 23	14% / 16

Roadway	Pacific Street		
Segment	Grand Ave to Linda Vista Dr		
Pedestrian Facilities	Intermittent	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	33
Roadway Width (feet)	64	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.93/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

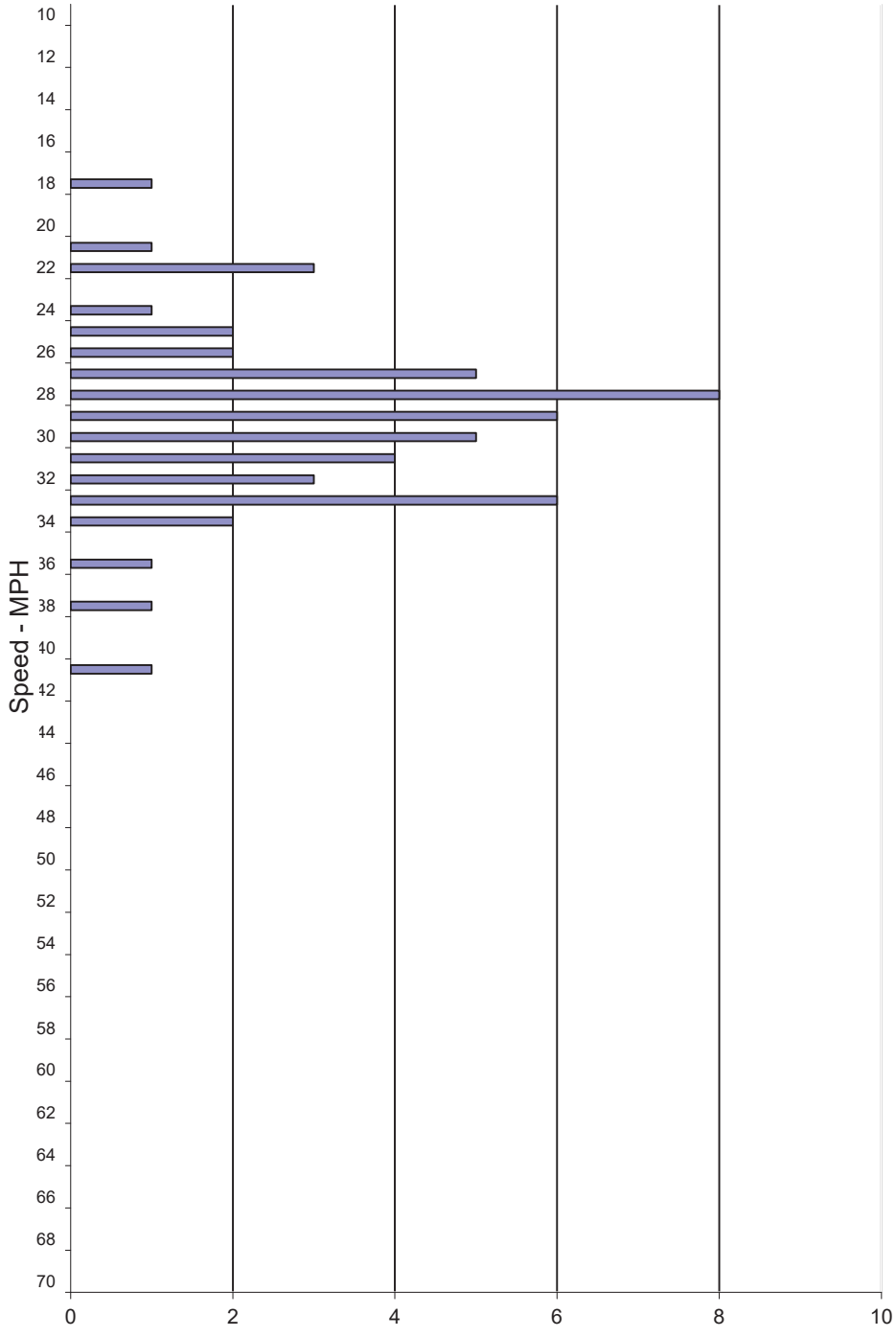
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** S Pacific St N/O Linda Vista Dr
TIME: 15:08-15:23 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-063

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	1
19	
20	
21	1
22	3
23	
24	1
25	2
26	2
27	5
28	8
29	6
30	5
31	4
32	3
33	6
34	2
35	
36	1
37	
38	1
39	
40	
41	1
42	
43	
44	
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52	
53	
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64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	52	18 - 41	29 mph	33 mph	25 - 34	43	83%	11% / 6	6% / 3

Spot Speed Study

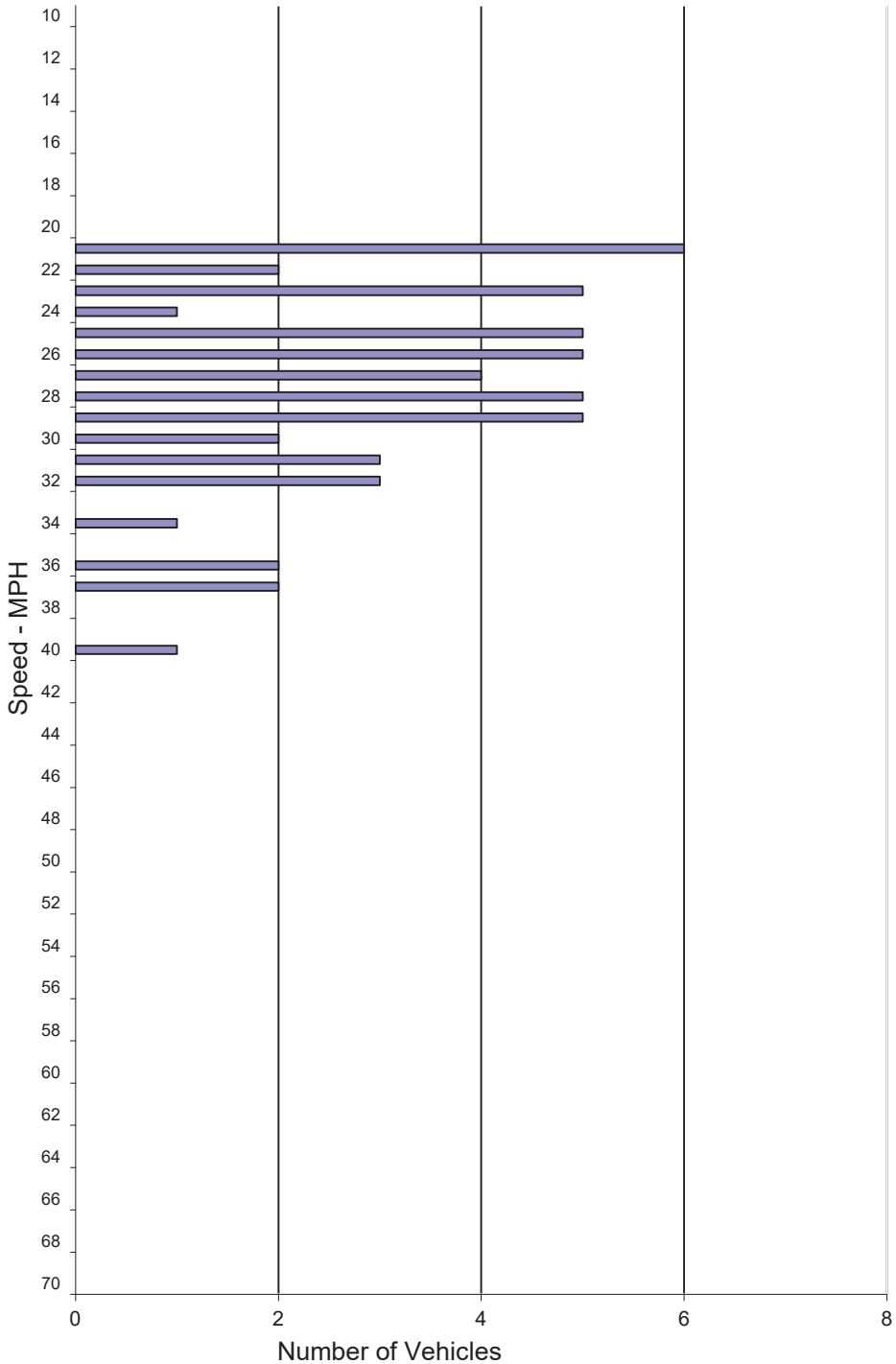
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** S Pacific St N/O Linda Vista Dr
TIME: 15:08-15:23 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-063

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	6
22	2
23	5
24	1
25	5
26	5
27	4
28	5
29	5
30	2
31	3
32	3
33	
34	1
35	
36	2
37	2
38	
39	
40	1
41	
42	
43	
44	
45	
46	
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49	
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62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	52	21 - 40	27 mph	32 mph	21 - 30	40	77%	0% / 0	24% / 12

Spot Speed Study

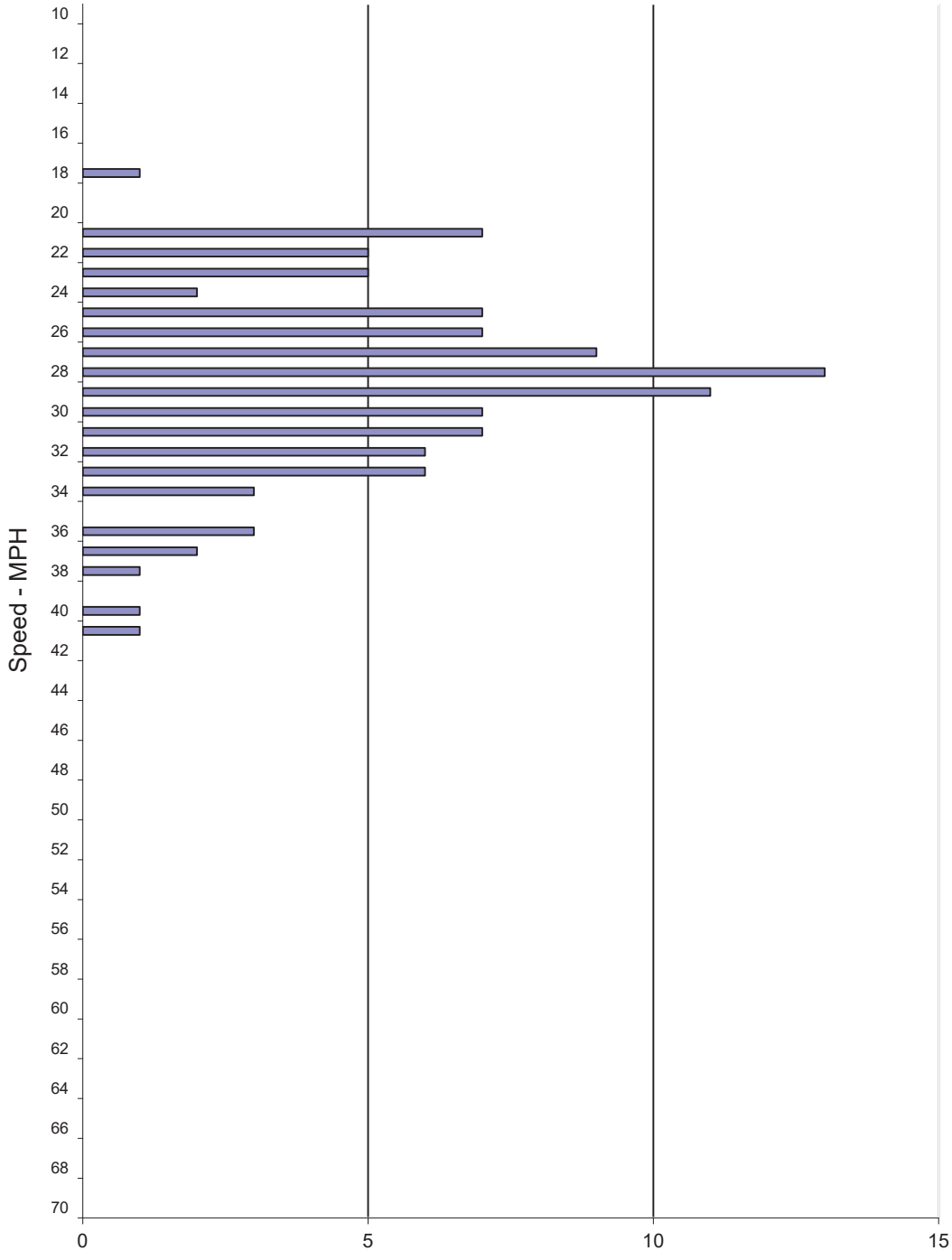
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** S Pacific St N/O Linda Vista Dr
TIME: 15:08-15:23 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-063

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	1
19	
20	
21	7
22	5
23	5
24	2
25	7
26	7
27	9
28	13
29	11
30	7
31	7
32	6
33	6
34	3
35	
36	3
37	2
38	1
39	
40	1
41	1
42	
43	
44	
45	
46	
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48	
49	
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51	
52	
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64	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	104	18 - 41	28 mph	33 mph	25 - 34	76	73%	19% / 20	8% / 8

Roadway	Pacific Street		
Segment	Linda Vista Dr to San Marcos Blvd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	38
Roadway Width (feet)	64	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.73/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

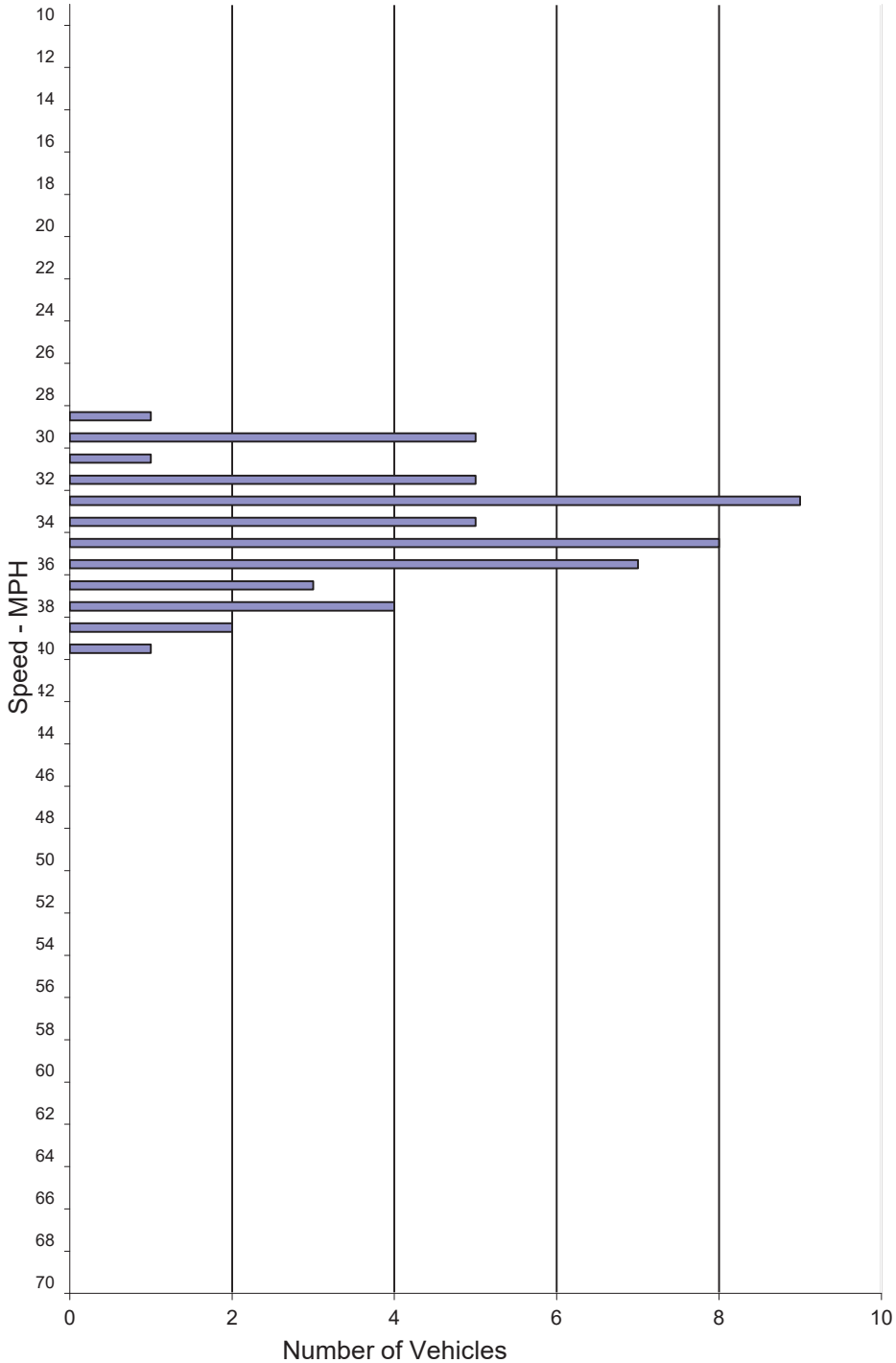
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** S Pacific St S/O Alpine Pl
TIME: 11:10-12:45 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-045

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	**1**
30	**5**
31	**1**
32	**5**
33	**9**
34	**5**
35	**8**
36	**7**
37	**3**
38	**4**
39	**2**
40	**1**
41	
42	
43	
44	
45	
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48	
49	
50	
51	
52	
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59	
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61	
62	
63	
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65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	51	29 - 40	34 mph	37 mph	30 - 39	49	96%	1% / 1	2% / 1

Spot Speed Study

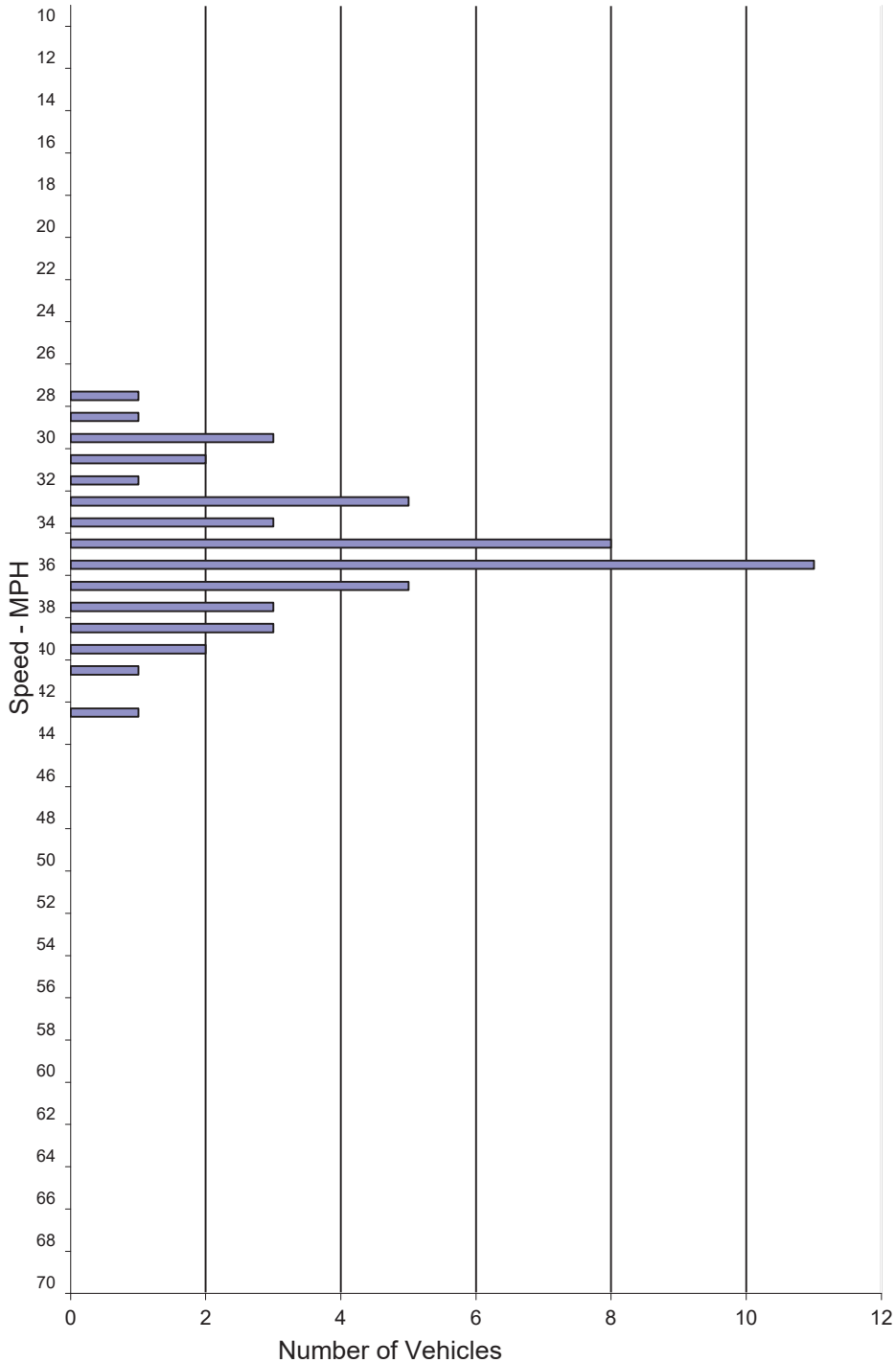
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** S Pacific St S/O Alpine Pl
TIME: 11:10-12:45 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-045

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
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17	
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21	
22	
23	
24	
25	
26	
27	
28	1
29	1
30	3
31	2
32	1
33	5
34	3
35	8
36	11
37	5
38	3
39	3
40	2
41	1
42	
43	1
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68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	28 - 43	36 mph	38 mph	30 - 39	44	88%	4% / 2	8% / 4

Spot Speed Study

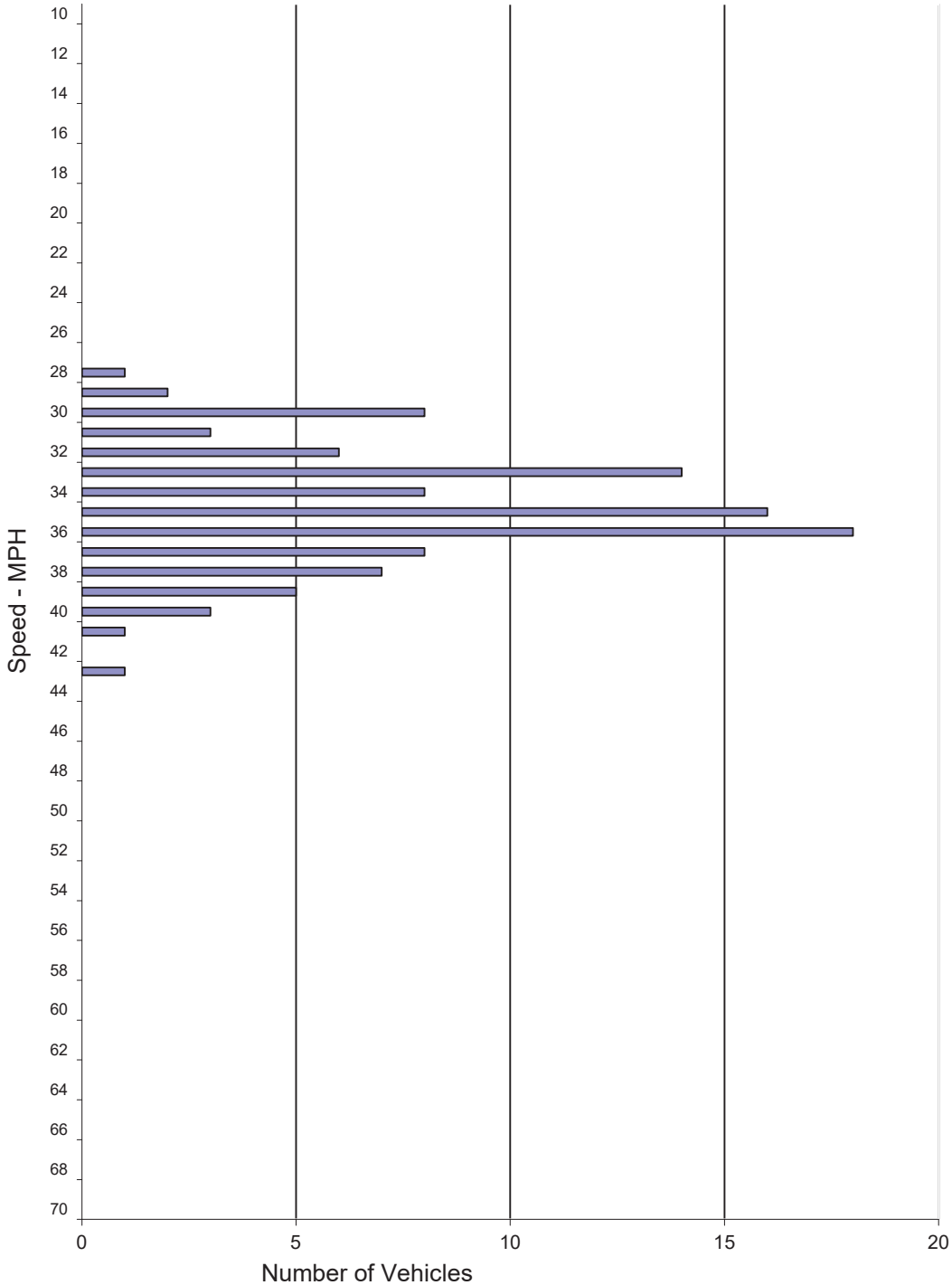
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** S Pacific St S/O Alpine Pl
TIME: 11:10-12:45 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-045

Northbound & Southbound Spot Speeds

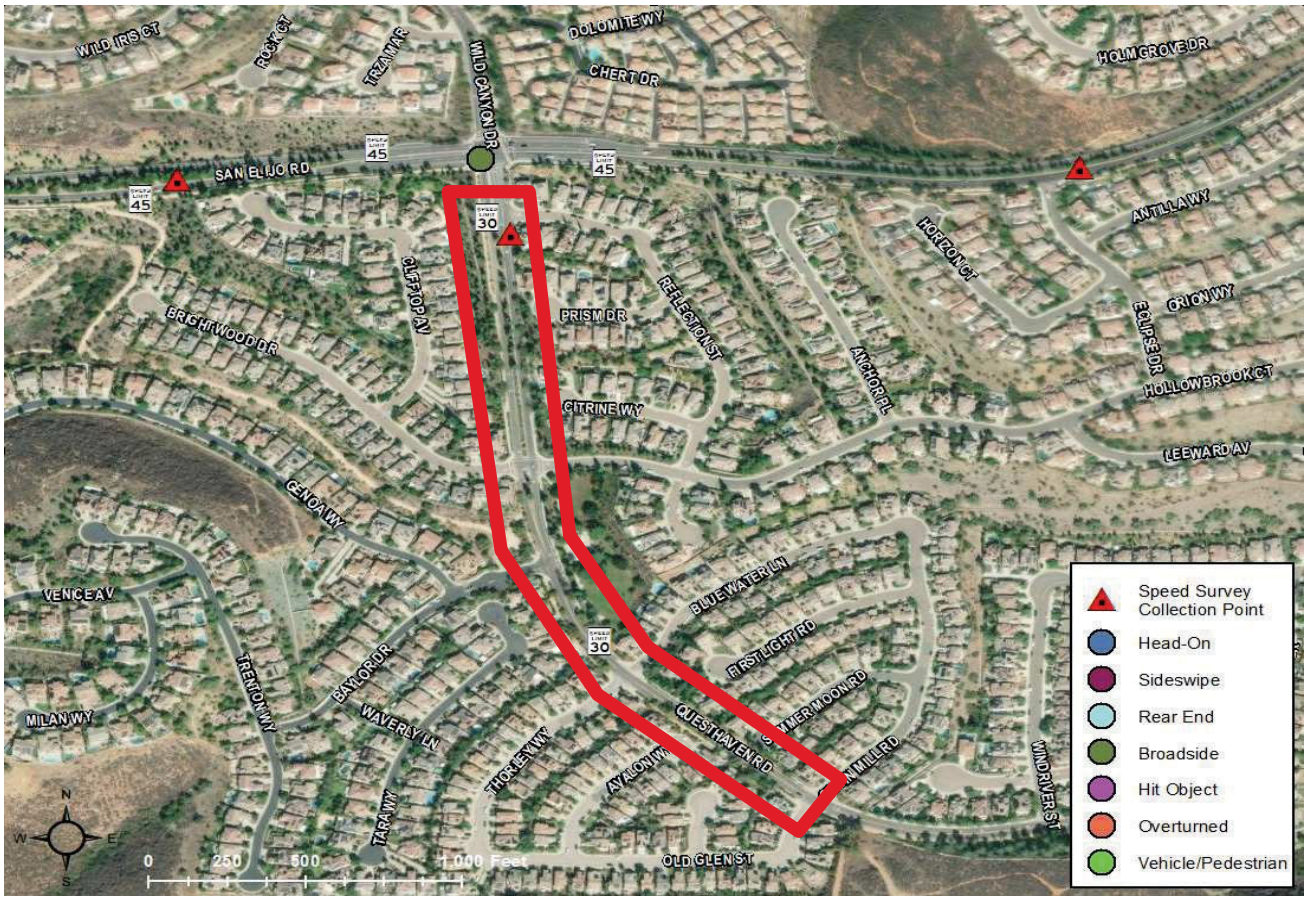
Speed mph	ALL Vehicles
<=10	
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22	
23	
24	
25	
26	
27	
28	1
29	2
30	8
31	3
32	6
33	14
34	8
35	16
36	18
37	8
38	7
39	5
40	3
41	1
42	
43	1
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69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	101	28 - 43	35 mph	38 mph	30 - 39	93	92%	2% / 3	5% / 5

Roadway	Questhaven Road		
Segment	San Elijo Rd to Southern City Limits		
Pedestrian Facilities	Yes	Posted Speed Limit	30
Bicycle Facilities	No	85th Percentile Speed	33
Roadway Width (feet)	56	Recommended Speed Limit	30
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	1.73/1.33
Median	Raised	2019, District 11, Urban, 2 and 3 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

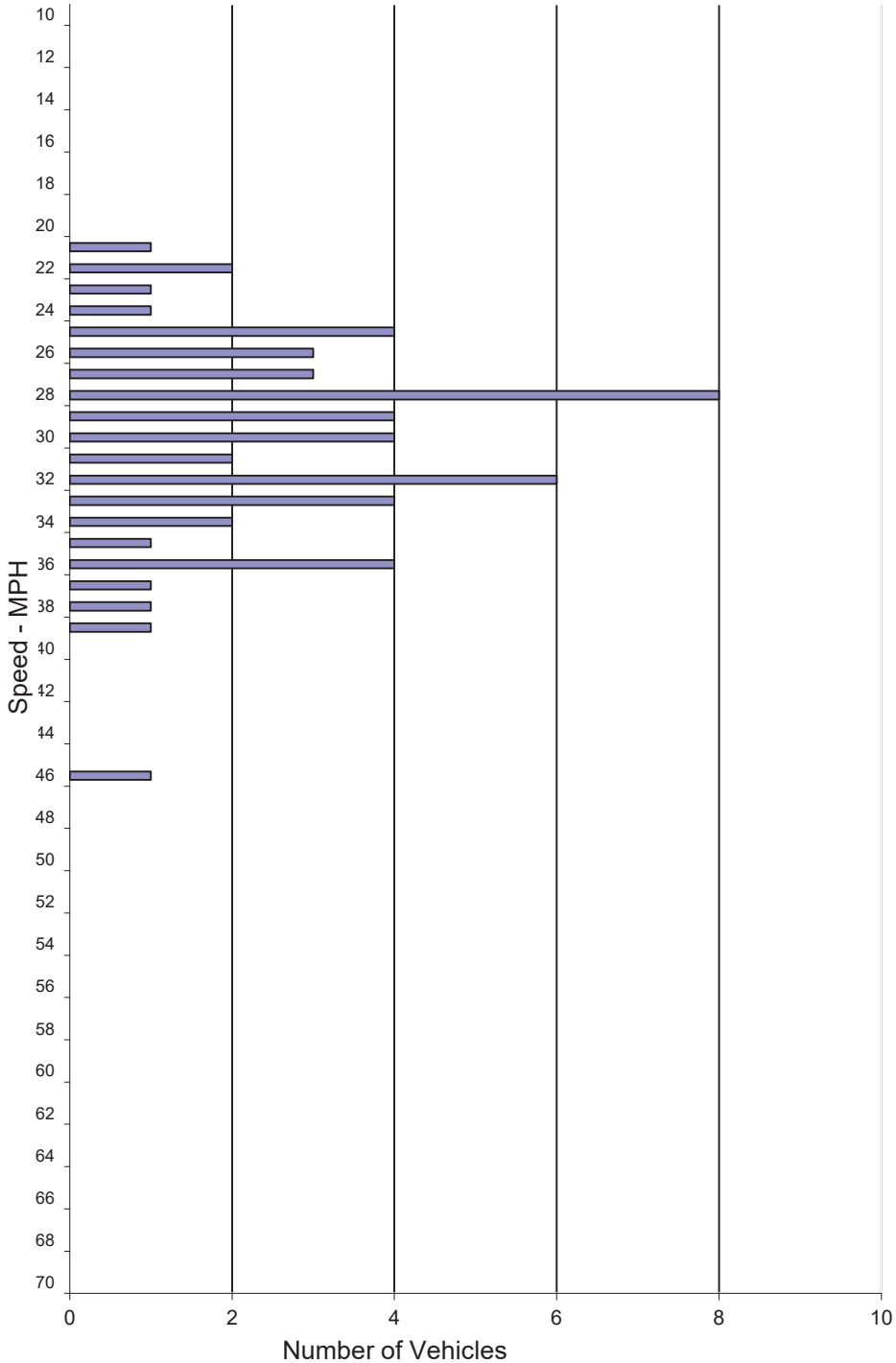
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Questhavan Rd S/O Reflection St
TIME: 13:47-14:13 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-039

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	1
22	2
23	1
24	1
25	4
26	3
27	3
28	8
29	4
30	4
31	2
32	6
33	4
34	2
35	1
36	4
37	1
38	1
39	1
40	
41	
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43	
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46	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	54	21 - 46	29 mph	35 mph	25 - 34	40	74%	9% / 5	17% / 9

Spot Speed Study

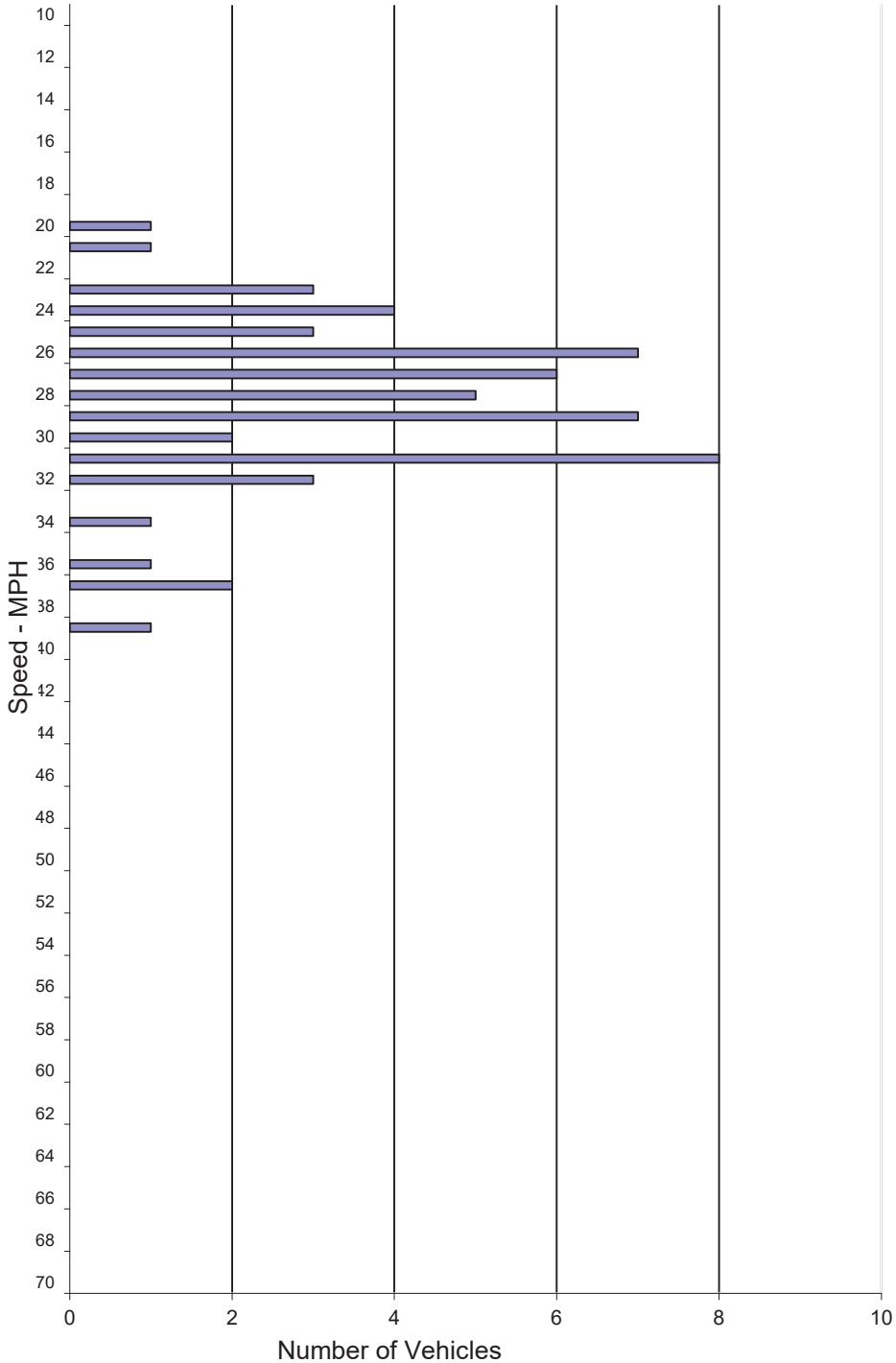
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Questhavan Rd S/O Reflection St
TIME: 13:47-14:13 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-039

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	1
22	
23	3
24	4
25	3
26	7
27	6
28	5
29	7
30	2
31	8
32	3
33	
34	1
35	
36	1
37	2
38	
39	1
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	20 - 39	28 mph	31 mph	23 - 32	48	87%	3% / 2	10% / 5

Spot Speed Study

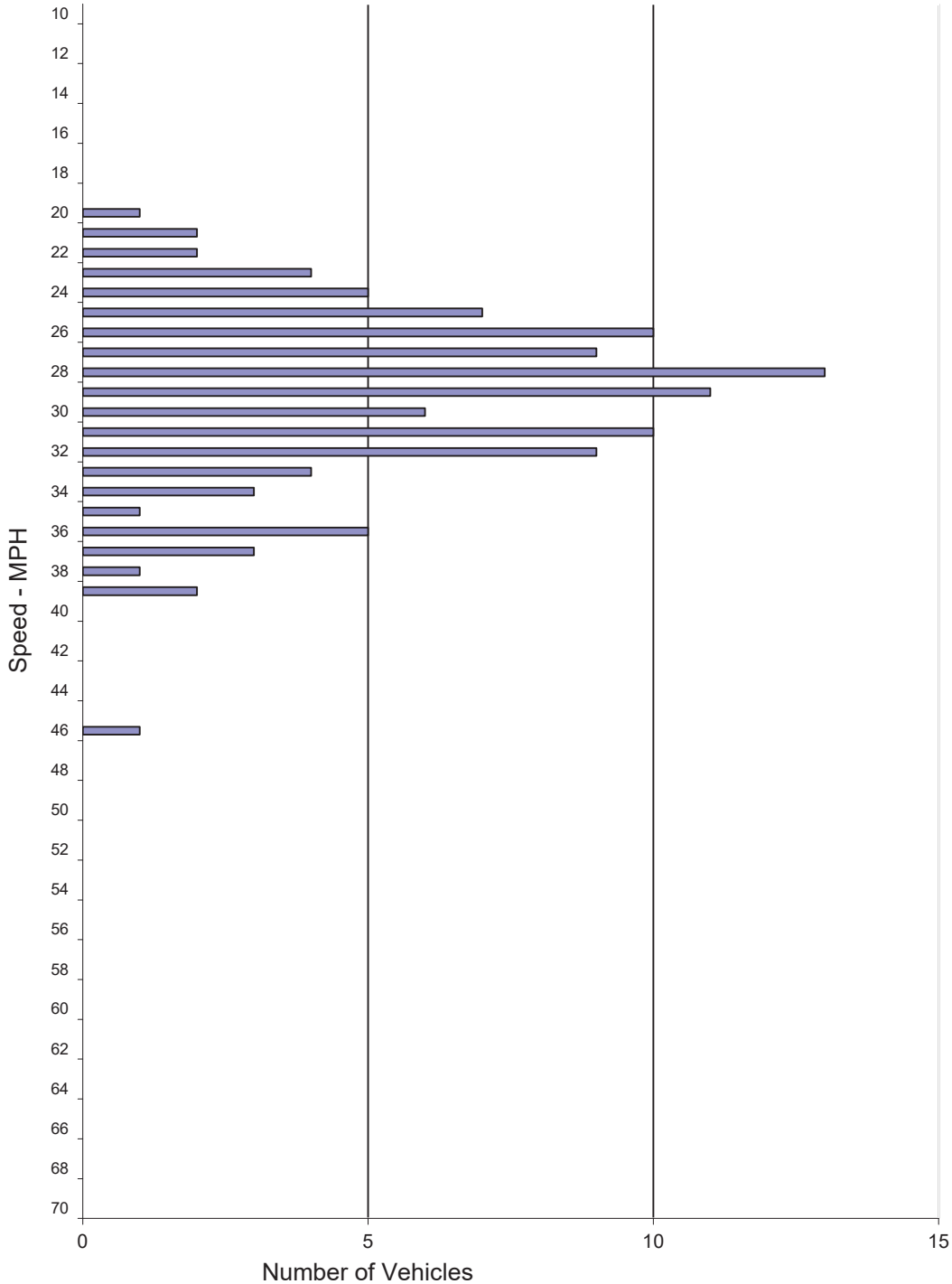
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** Questhavan Rd S/O Reflection St
TIME: 13:47-14:13 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-039

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	2
22	2
23	4
24	5
25	7
26	10
27	9
28	13
29	11
30	6
31	10
32	9
33	4
34	3
35	1
36	5
37	3
38	1
39	2
40	
41	
42	
43	
44	
45	
46	1
47	
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49	
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54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	109	20 - 46	29 mph	33 mph	23 - 32	84	77%	4% / 5	19% / 20

Roadway	Rancheros Drive		
Segment	Valpreda Rd to Woodland Pkwy		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	No	85th Percentile Speed	42
Roadway Width (feet)	40	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.38/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

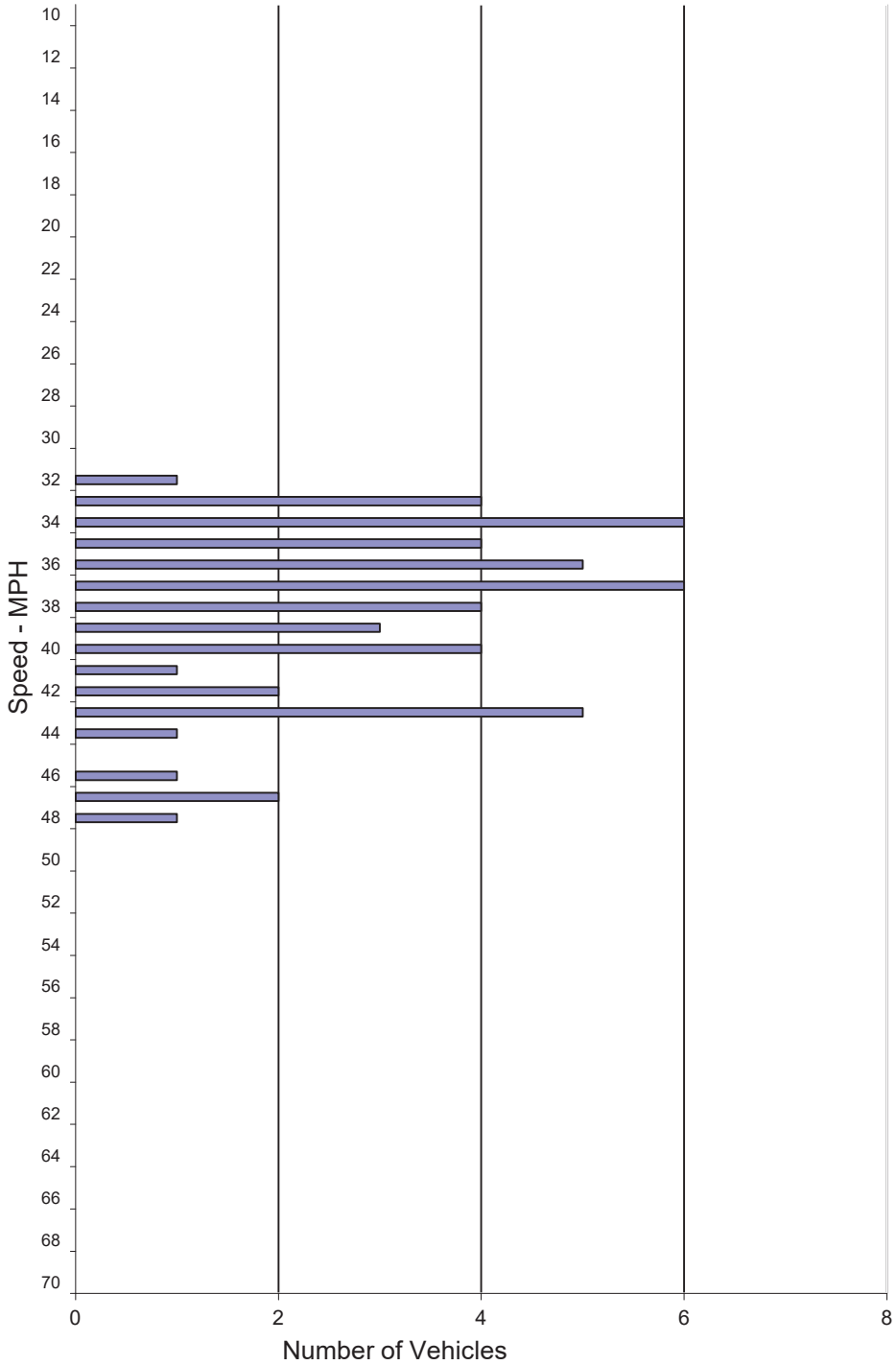
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Rancheros Dr E/O Mata Way
TIME: 14:30-15:25 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-072

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	1
33	4
34	6
35	4
36	5
37	6
38	4
39	3
40	4
41	1
42	2
43	5
44	1
45	
46	1
47	2
48	1
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	32 - 48	37 mph	43 mph	34 - 43	40	80%	10% / 5	10% / 5

Spot Speed Study

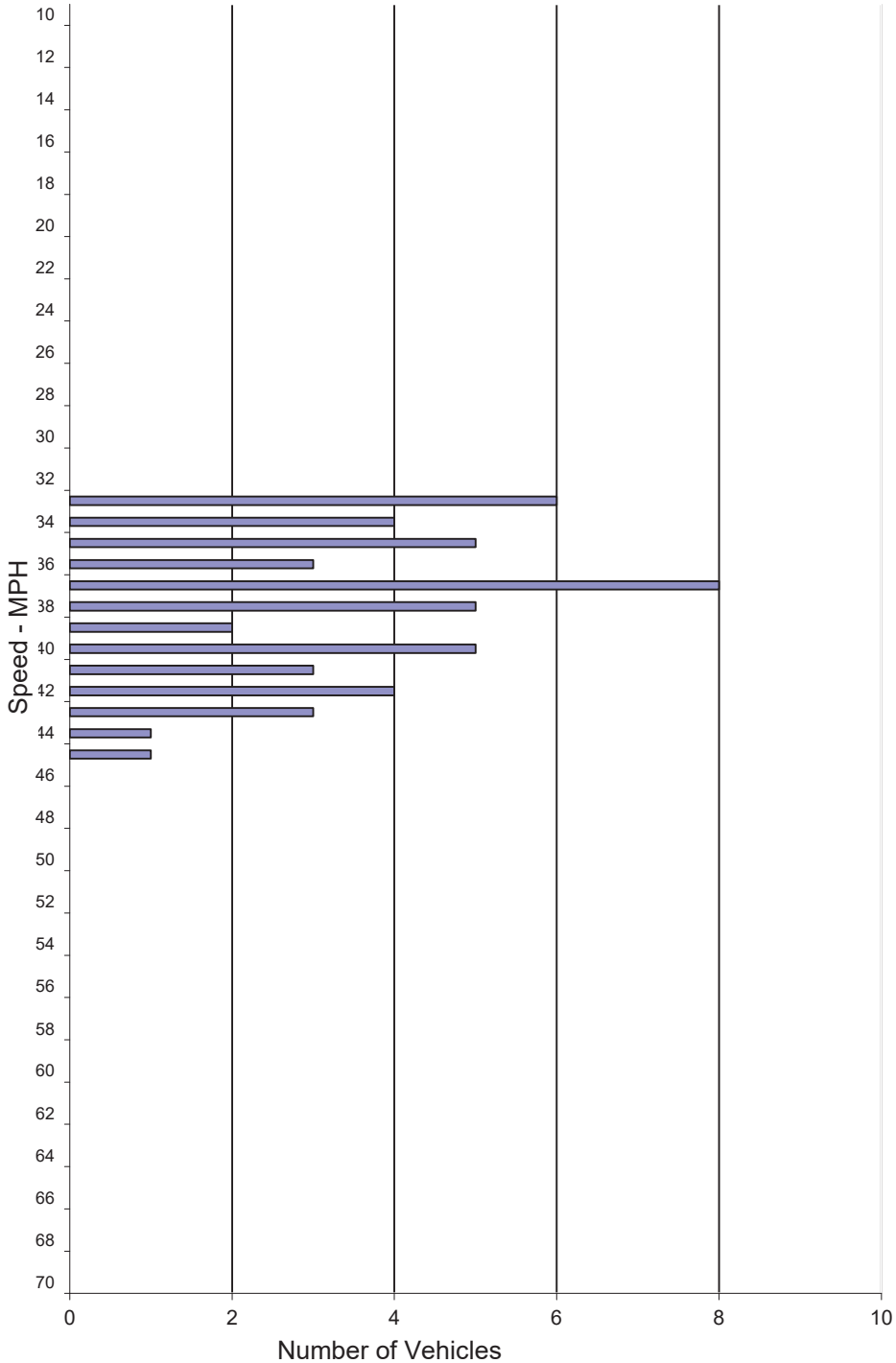
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Rancheros Dr E/O Mata Way
TIME: 14:30-15:25 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-072

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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14	
15	
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23	
24	
25	
26	
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29	
30	
31	
32	
33	6
34	4
35	5
36	3
37	8
38	5
39	2
40	5
41	3
42	4
43	3
44	1
45	1
46	
47	
48	
49	
50	
51	
52	
53	
54	
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60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	33 - 45	37 mph	42 mph	33 - 42	45	90%	0% / 0	10% / 5

Spot Speed Study

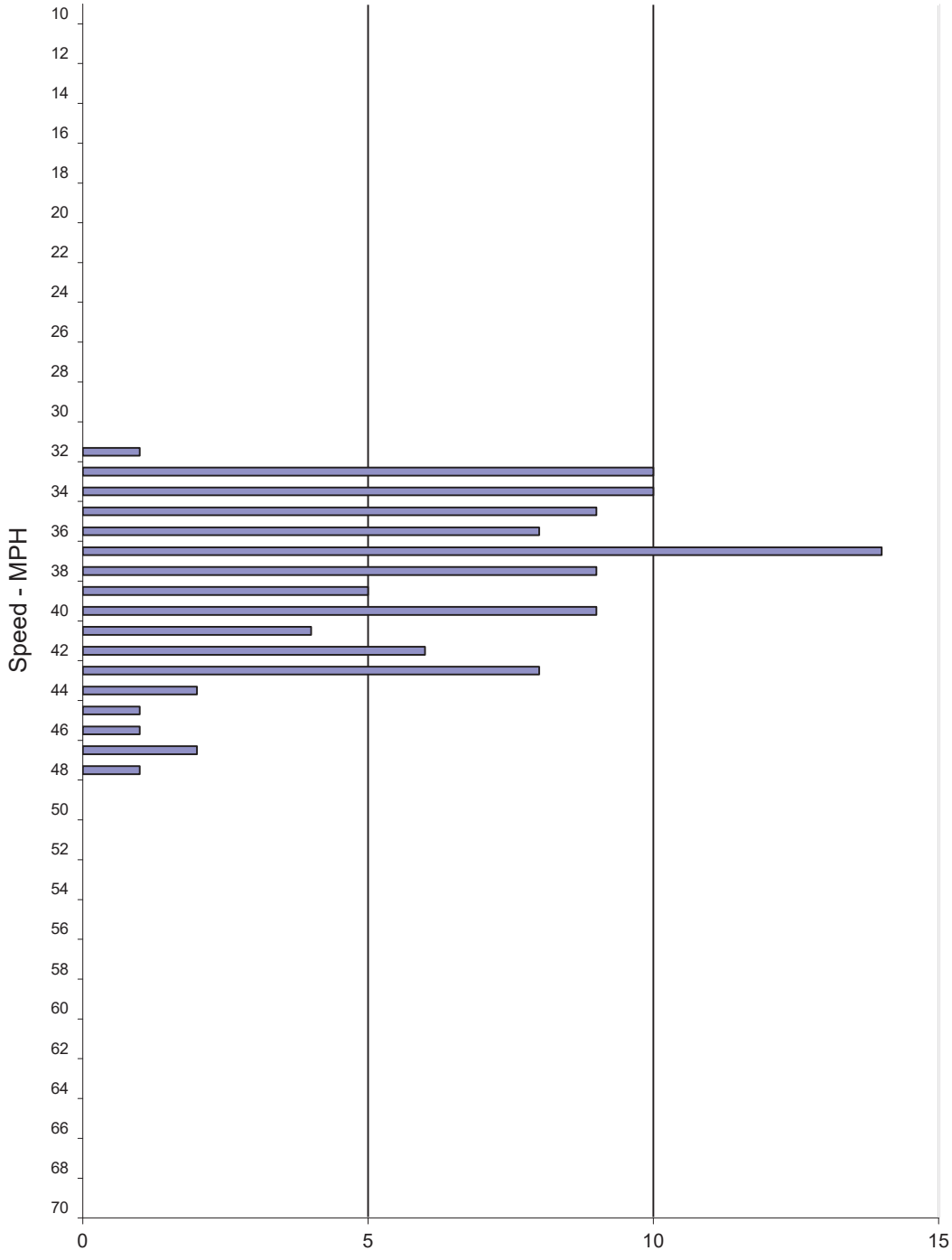
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Rancheros Dr E/O Mata Way
TIME: 14:30-15:25 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-072

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	1
33	10
34	10
35	9
36	8
37	14
38	9
39	5
40	9
41	4
42	6
43	8
44	2
45	1
46	1
47	2
48	1
49	
50	
51	
52	
53	
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63	
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65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	32 - 48	37 mph	42 mph	33 - 42	84	84%	1% / 1	15% / 15

Roadway	Rancheros Drive		
Segment	Woodland Pkwy to Mission Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	37
Roadway Width (feet)	38	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	1.89/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

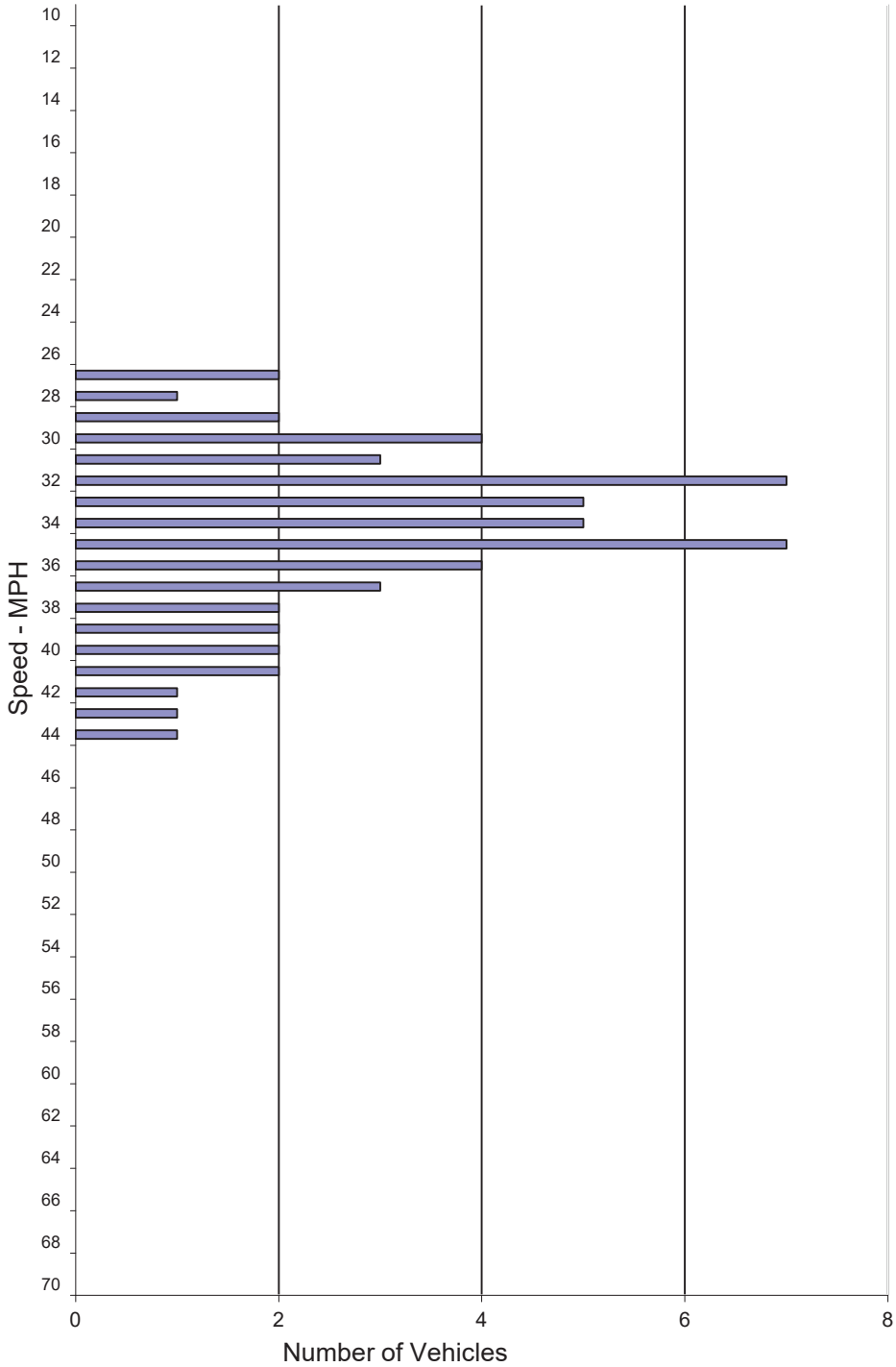
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Rancheros Dr Bet. Woodland Pkwy & Mission Rd
TIME: 14:50-15:30 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-064

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	2
28	1
29	2
30	4
31	3
32	7
33	5
34	5
35	7
36	4
37	3
38	2
39	2
40	2
41	2
42	1
43	1
44	1
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	54	27 - 44	34 mph	39 mph	29 - 38	42	78%	5% / 3	17% / 9

Spot Speed Study

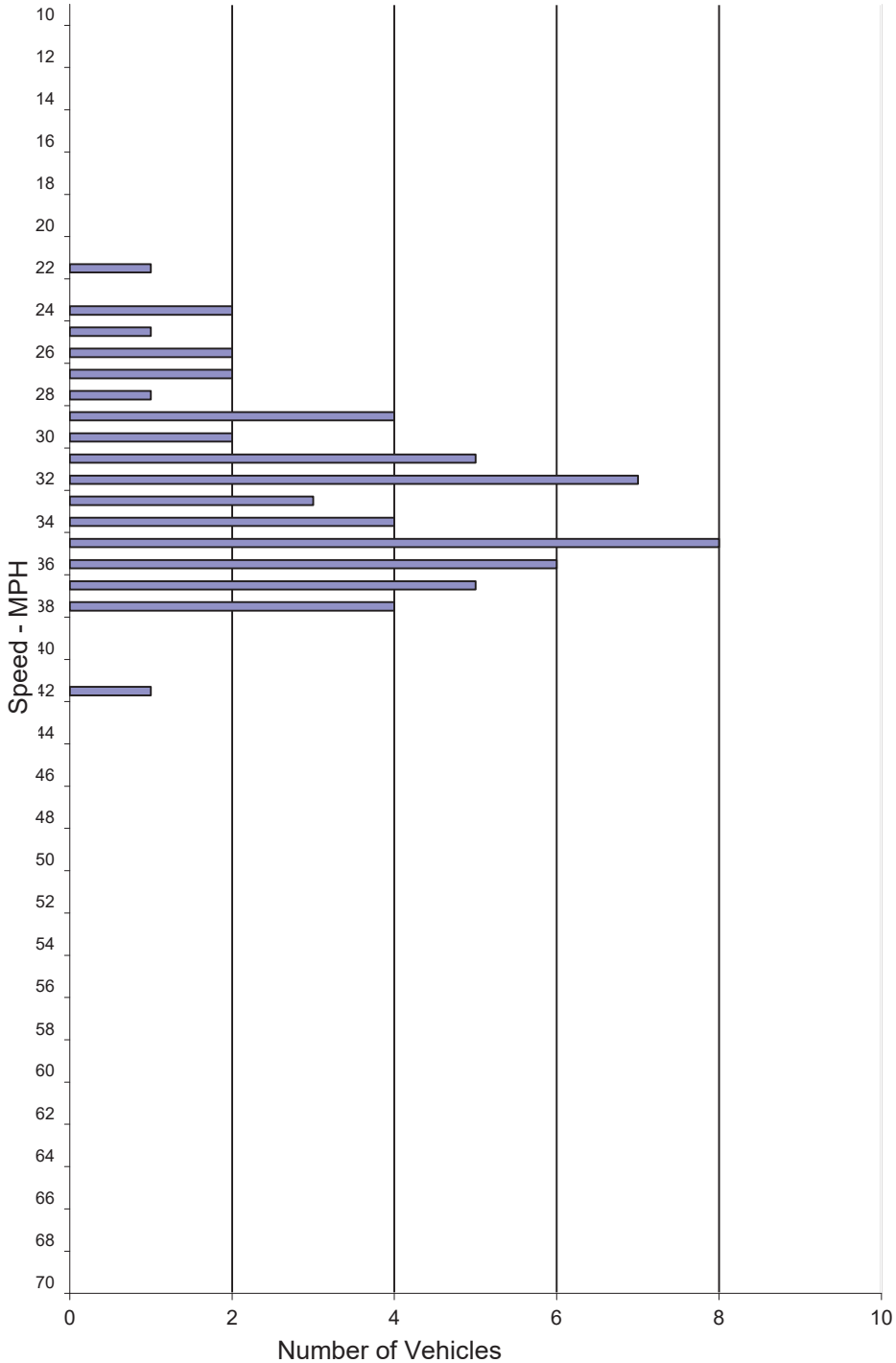
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Rancheros Dr Bet. Woodland Pkwy & Mission Rd
TIME: 14:50-15:30 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-064

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	1
23	
24	2
25	1
26	2
27	2
28	1
29	4
30	2
31	5
32	7
33	3
34	4
35	8
36	6
37	5
38	4
39	
40	
41	
42	1
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
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56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	58	22 - 42	33 mph	37 mph	29 - 38	48	83%	15% / 9	2% / 1

Spot Speed Study

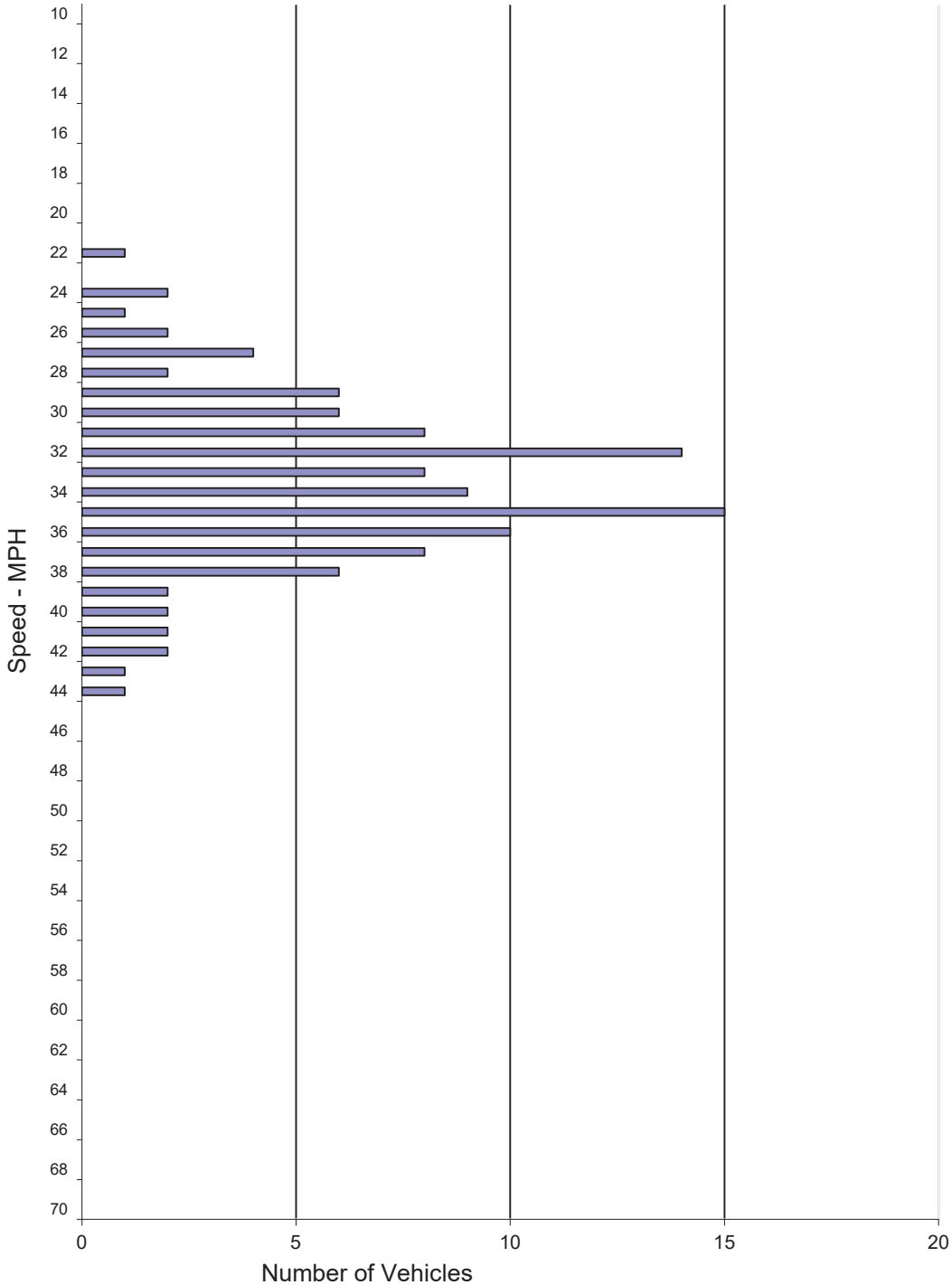
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** Rancheros Dr Bet. Woodland Pkwy & Mission Rd
TIME: 14:50-15:30 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-064

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	1
23	
24	2
25	1
26	2
27	4
28	2
29	6
30	6
31	8
32	14
33	8
34	9
35	15
36	10
37	8
38	6
39	2
40	2
41	2
42	2
43	1
44	1
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	112	22 - 44	34 mph	37 mph	29 - 38	90	80%	10% / 12	9% / 10

Roadway	Rancho Santa Fe Road		
Segment	Mission Rd to San Marcos Blvd		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	36
Roadway Width (feet)	82	Recommended Speed Limit	35
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	1.35/0.96
Median	Raised	2019, District 11, Urban,4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

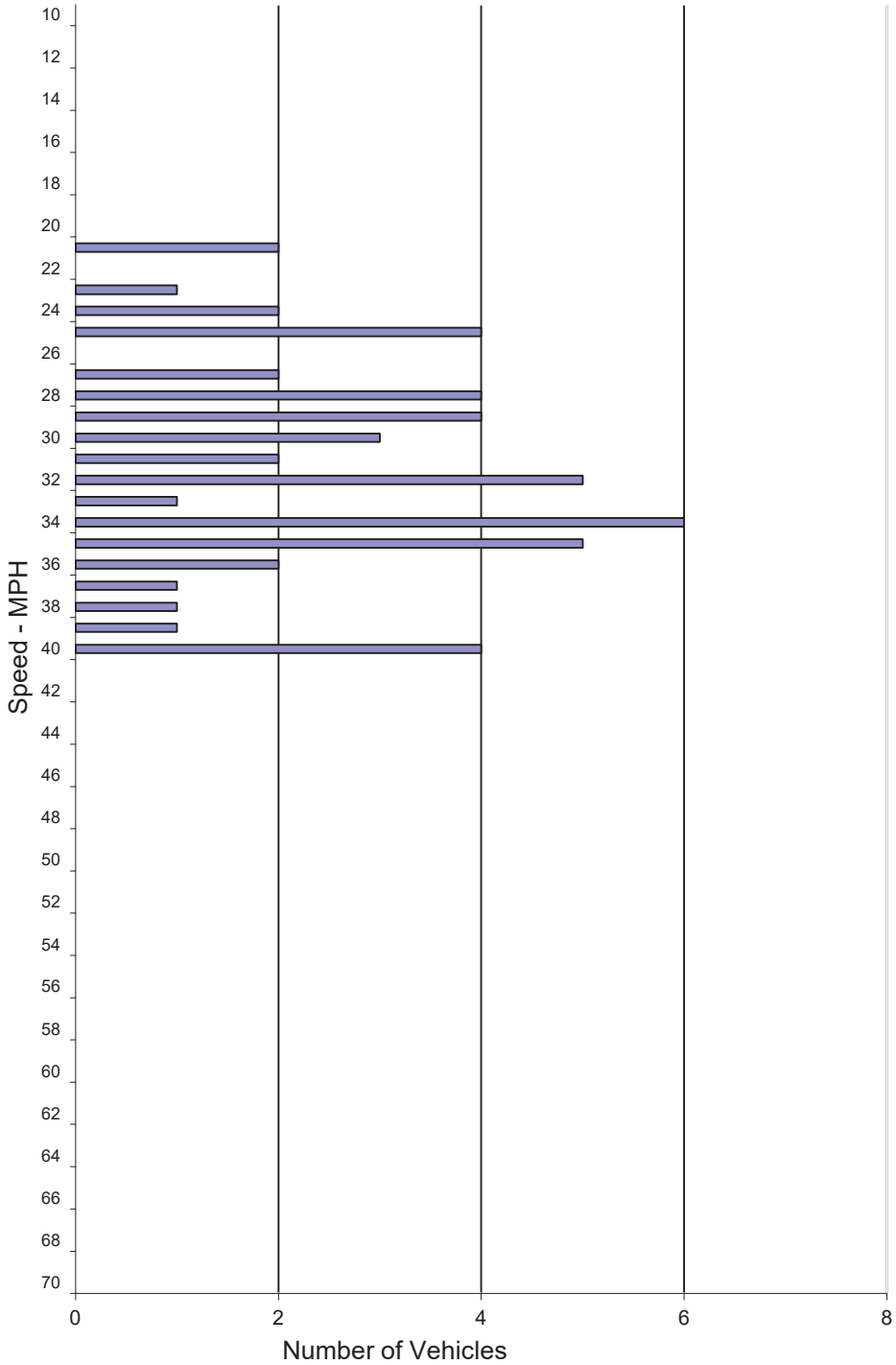
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** S Rancho Santa Fe Rd/CR S10 S/O La Colusa Dr
TIME: 13:00-13:40 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-081

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	2
22	
23	1
24	2
25	4
26	
27	2
28	4
29	4
30	3
31	2
32	5
33	1
34	6
35	5
36	2
37	1
38	1
39	1
40	4
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	21 - 40	32 mph	36 mph	27 - 36	34	68%	18% / 9	14% / 7

Spot Speed Study

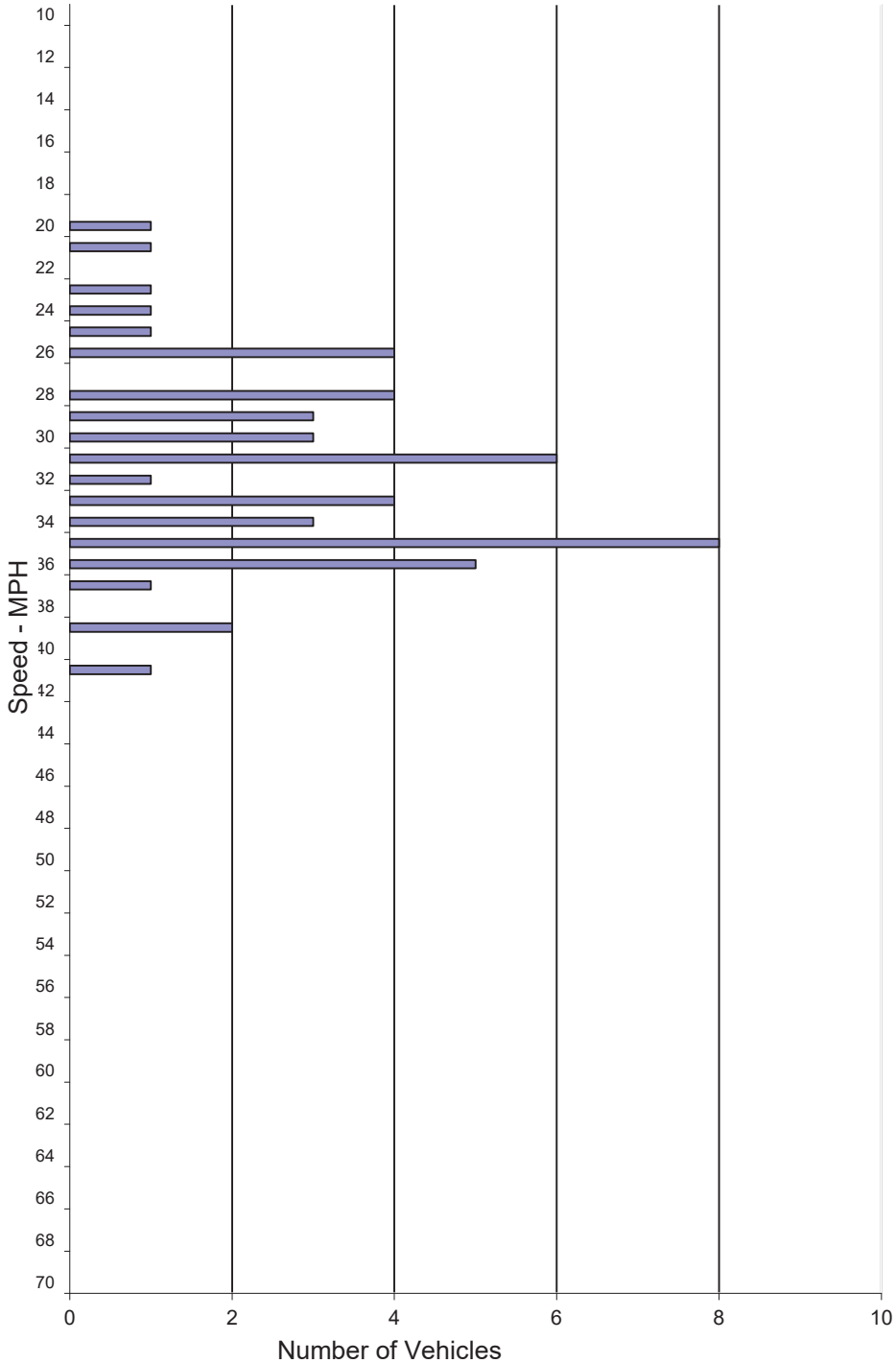
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** S Rancho Santa Fe Rd/CR S10 S/O La Colusa Dr
TIME: 13:00-13:40 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-081

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	1
22	
23	1
24	1
25	1
26	4
27	
28	4
29	3
30	3
31	6
32	1
33	4
34	3
35	8
36	5
37	1
38	
39	2
40	
41	1
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
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54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	20 - 41	31 mph	36 mph	28 - 37	38	76%	18% / 9	6% / 3

Spot Speed Study

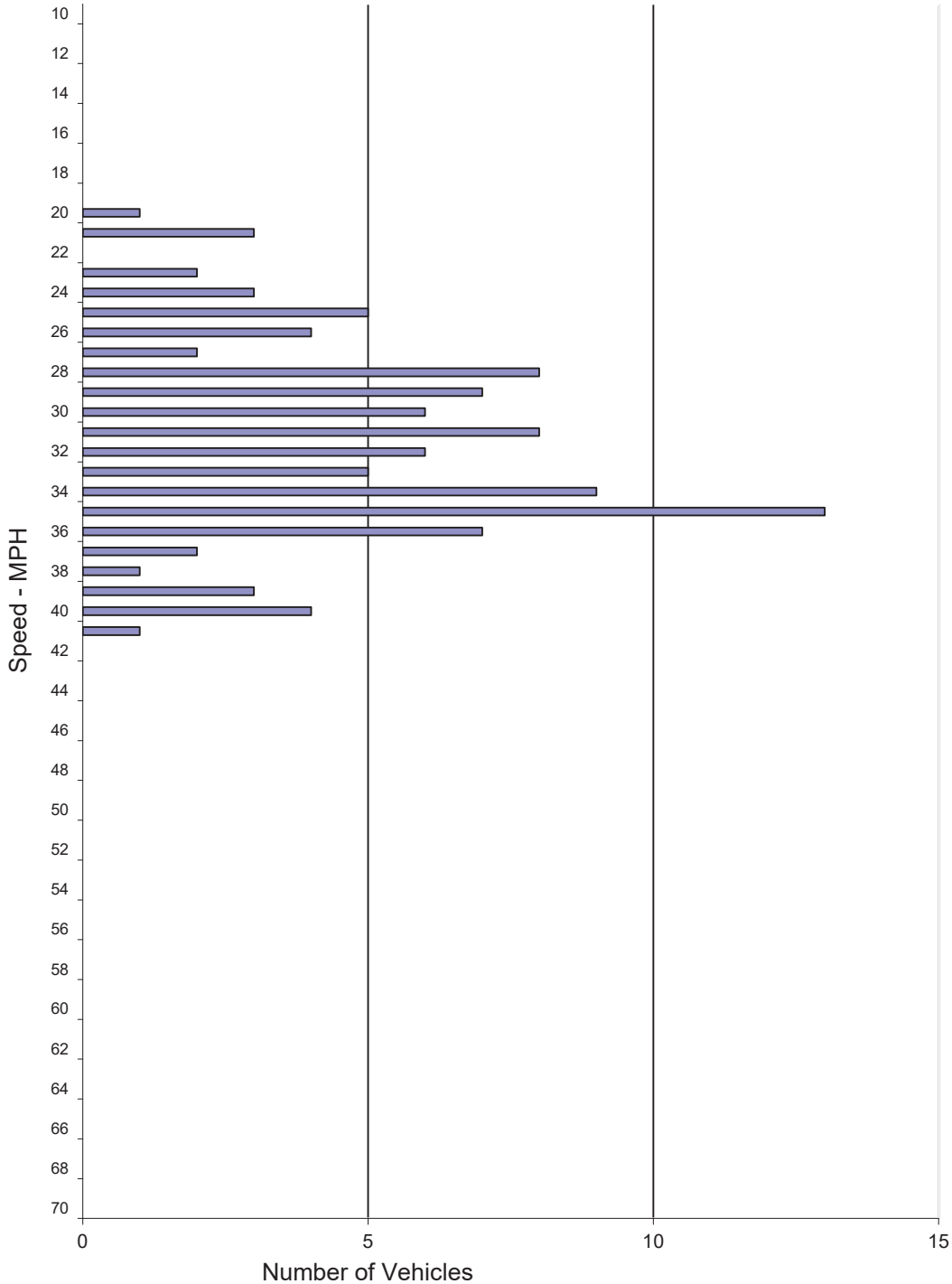
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** S Rancho Santa Fe Rd/CR S10 S/O La Colusa Dr
TIME: 13:00-13:40 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-081

Northbound & Southbound Spot Speeds

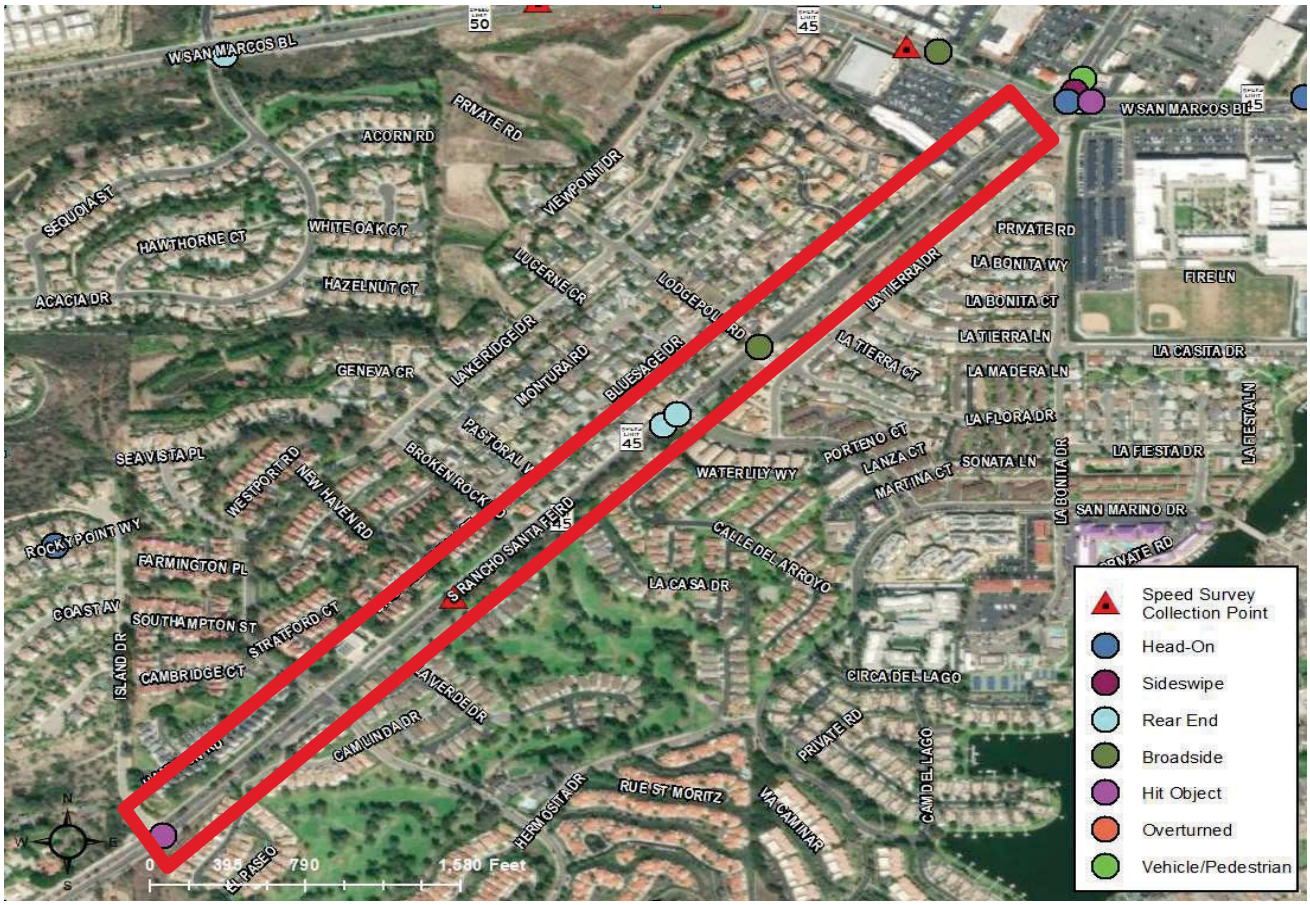
Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	3
22	
23	2
24	3
25	5
26	4
27	2
28	8
29	7
30	6
31	8
32	6
33	5
34	9
35	13
36	7
37	2
38	1
39	3
40	4
41	1
42	
43	
44	
45	
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51	
52	
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54	
55	
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59	
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61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	20 - 41	32 mph	36 mph	27 - 36	71	71%	18% / 18	11% / 11

Roadway	Rancho Santa Fe Road		
Segment	San Marcos Blvd to Island Dr		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	51
Roadway Width (feet)	82	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.72/0.96
Median	Raised / Center Left Turn Lane	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rancho Santa Fe Road **Segment:** San Marcos Blvd to Island Dr

Date/Time: 5/7/2024 2:35 PM - 3:45 PM **Direction:** North-South

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	1%	100%
55			
	X	1%	99%
	X X X X X	5%	98%
	X X X X	4%	93%
	X X X X X X	6%	89%
50	X X X X	4%	83%
	X X X X X X X X	8%	79%
	X X X X X X	6%	71%
	X X X X X X	6%	65%
	X X X X X	5%	59%
45	X X X X X X	6%	54%
	X X X X X X X	7%	48%
	X X X X X X X X X X X	11%	41%
	X X X X	4%	30%
	X X X	3%	26%
40	X X X X X X X X X	9%	23%
	X X X X X	5%	14%
	X X X X	4%	9%
	X X	2%	5%
35	X X	2%	3%
30			
	X	1%	1%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	45 mph	51 mph	40-49 mph	65	65%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rancho Santa Fe Road **Segment:** San Marcos Blvd to Island Dr

Date/Time: 5/7/2024 2:35 PM - 3:45 PM **Direction:** North

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	2%	100%
55			
	X	2%	98%
	X X	4%	96%
	X	2%	92%
	X X X	6%	90%
50	X	2%	84%
	X X X X X X	12%	82%
	X X	4%	70%
	X X X	6%	66%
	X X	4%	60%
45	X X X X	8%	56%
	X X X	6%	48%
	X X X X X	10%	42%
	X X	4%	32%
	X	2%	28%
40	X X X X X	10%	26%
	X X X	6%	16%
	X X X	6%	10%
	X	2%	4%
35	X	2%	2%
30			
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	45 mph	51 mph	40-49 mph	33	66%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rancho Santa Fe Road **Segment:** San Marcos Blvd to Island Dr

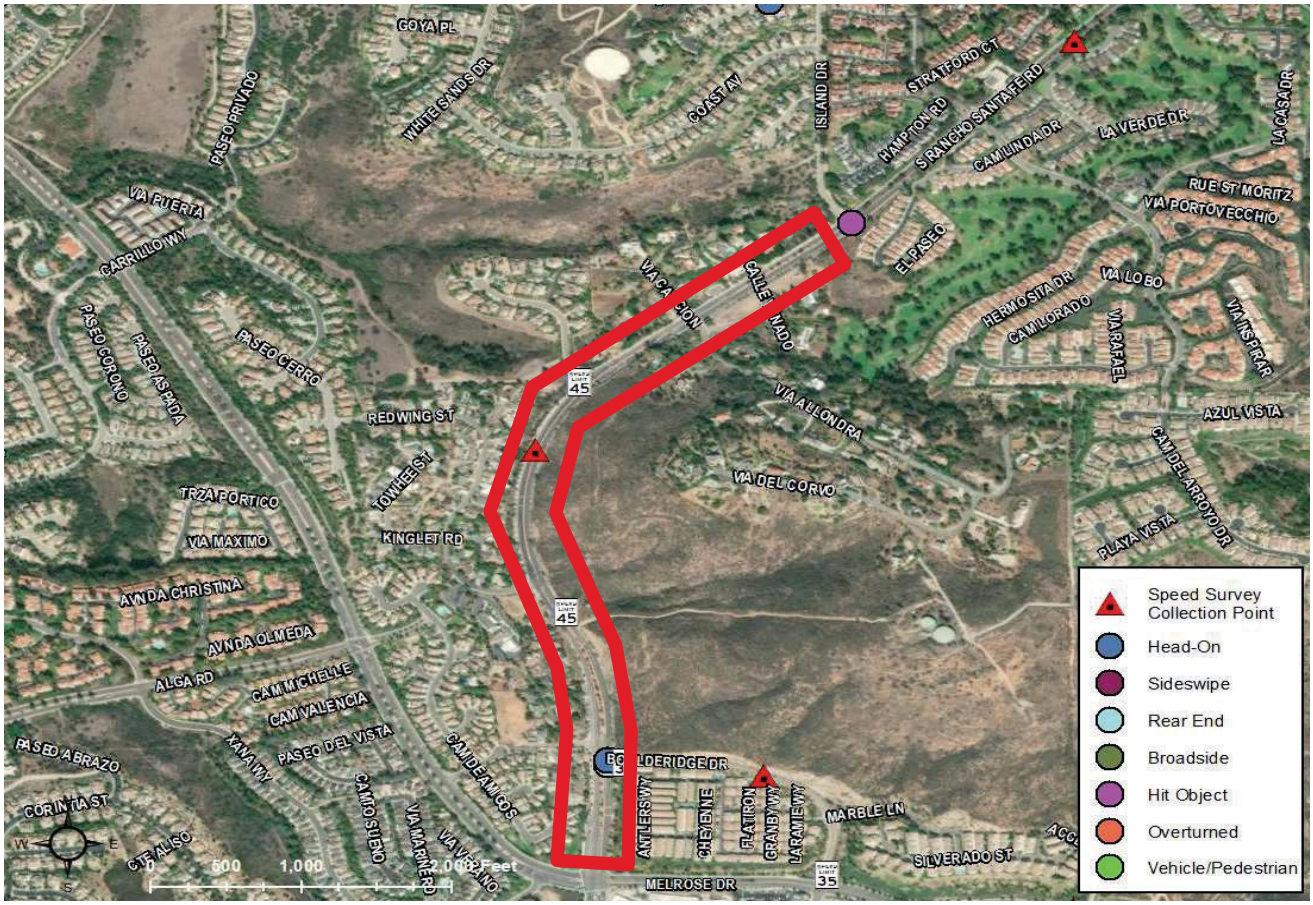
Date/Time: 5/7/2024 2:35 PM - 3:45 PM **Direction:** South

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
	XXX	6%	100%
	XXX	6%	94%
	XXX	6%	88%
50	XXX	6%	82%
	XX	4%	76%
	XXXX	8%	72%
	XXX	6%	64%
	XXX	6%	58%
45	XX	4%	52%
	XXXX	8%	48%
	XXXXXX	12%	40%
	XX	4%	28%
	XX	4%	24%
40	XXXX	8%	20%
	XX	4%	12%
	X	2%	8%
	X	2%	6%
35	X	2%	4%
30			
	X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	45 mph	51 mph	43-52 mph	33	66%

Roadway	Rancho Santa Fe Road		
Segment	Island Dr to Melrose Dr		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	49
Roadway Width (feet)	70	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.44/0.96
Median	Raised	2019, District 11, Urban,4Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rancho Santa Fe Road **Segment:** Island Dr to Melrose Dr

Date/Time: 5/9/2024 9:30 AM - 10:15 AM **Direction:** North-South

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	1%	100%
	X	1%	99%
	X	1%	98%
55			
	X X	2%	97%
	X X X	3%	95%
	X X	2%	92%
50	X X X X X	5%	90%
	X X	2%	85%
	X X X X	4%	83%
	X X X X X X X X X X	10%	79%
	X X X X	4%	69%
45	X X X X X	5%	65%
	X X X X X X	6%	60%
	X X X X	4%	54%
	X X X X X X X	7%	50%
	X X X X X X X X X X X X X	13%	43%
40	X X X X	4%	30%
	X	1%	26%
	X	1%	25%
	X X X X	4%	24%
	X X X X	4%	20%
35	X X	2%	16%
	X X X X X	5%	14%
	X X	2%	9%
	X X X X	4%	7%
30	X X X	3%	3%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	42.5 mph	49 mph	41-50 mph	60	60%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rancho Santa Fe Road **Segment:** Island Dr to Melrose Dr

Date/Time: 5/9/2024 9:30 AM - 10:15 AM **Direction:** North

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	2%	100%
	X	2%	98%
	X	2%	96%
55			
	X X	4%	94%
	X X X	6%	90%
	X	2%	84%
50	X X X X	8%	82%
	X X	4%	74%
	X X	4%	70%
	X X X X X X	12%	66%
	X X X	6%	54%
45	X X	4%	48%
	X X X X X	10%	44%
	X	2%	34%
	X X X	6%	32%
	X X X X	8%	26%
40			
	X	2%	18%
	X X X	6%	16%
35			
	X X	4%	10%
	X X	4%	6%
30	X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	46 mph	52 mph	41-50 mph	32	64%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rancho Santa Fe Road **Segment:** Island Dr to Melrose Dr

Date/Time: 5/9/2024 9:30 AM - 10:15 AM **Direction:** South

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
	X	2%	100%
50	X	2%	98%
	X X	4%	96%
	X X X X	8%	92%
	X	2%	84%
45	X X X	6%	82%
	X	2%	76%
	X X X	6%	74%
	X X X X	8%	68%
	X X X X X X X X X	18%	60%
40	X X X X	8%	42%
	X	2%	34%
	X	2%	32%
	X X X X	8%	30%
35	X X	4%	22%
	X X X	6%	18%
	X X	4%	12%
	X X	4%	8%
30	X X	4%	4%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	41 mph	47 mph	39-48 mph	31	62%

Roadway	Rock Springs Road		
Segment	Richland Road to Woodland Pkwy		
Pedestrian Facilities	Yes	Posted Speed Limit	25
Bicycle Facilities	Class II	85th Percentile Speed	30
Roadway Width (feet)	30	Recommended Speed Limit	25
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	3.63/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rock Springs Rd **Segment:** Richland Rd to Woodland Pkwy

Date/Time: 4/24/2024 9:15 AM - 10:45 AM **Direction:** East-West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
	X	1%	100%
40			
	X	1%	99%
35	X	1%	98%
	X X	2%	97%
	X X X X X	5%	95%
	X X X X X	5%	90%
30	X X X X X X X X X X X X X X X	16%	85%
	X X X X X X X X X X X X X	13%	69%
	X X X X X X X X X X X X	12%	56%
	X X X X X X X X X	8%	44%
	X X X X X X X X X X X X	12%	36%
25	X X X X X X X X X X	9%	24%
	X X X X	4%	15%
	X X X X X	5%	11%
	X X X X	4%	6%
	X X	2%	2%
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	28 mph	30 mph	23-32 mph	89	89%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rock Springs Rd **Segment:** Richland Rd to Woodland Pkwy

Date/Time: 4/24/2024 9:15 AM - 10:45 AM **Direction:** East

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
40	X	2%	100%
35	X	2%	98%
	XXX	6%	96%
	XXXX	8%	90%
30	XXXXXX	12%	82%
	XXXXXXX	14%	70%
	XXXXXXXXX	18%	56%
	XXX	6%	38%
	XXXXXXX	14%	32%
25	XX	4%	18%
	XX	4%	14%
	X	2%	10%
	XX	4%	8%
	XX	4%	4%
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	28 mph	31 mph	23-32 mph	44	88%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rock Springs Rd **Segment:** Richland Rd to Woodland Pkwy

Date/Time: 4/24/2024 9:15 AM - 10:45 AM **Direction:** West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
40			
	X	2%	100%
35			
	X X	4%	98%
	X X	4%	94%
	X	2%	90%
30	X X X X X X X X X X	20%	88%
	X X X X X X	12%	68%
	X X X	6%	56%
	X X X X X	10%	50%
	X X X X X	10%	40%
25	X X X X X X X	14%	30%
	X X	4%	16%
	X X X X	8%	12%
	X X	4%	4%
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	28 mph	30 mph	23-32 mph	45	90%

Roadway	Rock Springs Road		
Segment	Woodland Pkwy to Bennett Ave		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	Class II	85th Percentile Speed	39
Roadway Width (feet)	64	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.79/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rock Springs Rd **Segment:** Woodland Pkwy to Bennett Ave

Date/Time: 4/24/2024 11:00 AM - 12:15 PM **Direction:** East-West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45	X	1%	100%
	X	1%	99%
	X X X	3%	98%
	X X X X	4%	95%
40	X X X X X X	6%	91%
	X X X X X	5%	85%
	X X X X X X X X	8%	80%
	X X X X X X X X X X X X X	13%	72%
	X X X X X X X X X X X	11%	59%
35	X X X X X X X X X	9%	48%
	X X X X X X X X X	9%	39%
	X X X X X X X X	8%	30%
	X X X X X X X	7%	22%
	X X X X	4%	15%
30	X X X X	4%	11%
	X X	2%	7%
	X X X	3%	5%
	X	1%	2%
25	X	1%	1%
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	36 mph	39 mph	32-41 mph	80	80%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rock Springs Rd **Segment:** Woodland Pkwy to Bennett Ave

Date/Time: 4/24/2024 11:00 AM - 12:15 PM **Direction:** East

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
	X	2%	100%
	X X X	6%	98%
40	X X	4%	92%
	X X X	6%	88%
	X X X X	8%	82%
	X X X X X	10%	74%
	X X X X X	10%	64%
35	X X X X	8%	54%
	X X X X X	10%	46%
	X X X X	8%	36%
	X X X X X X	12%	28%
	X X	4%	16%
30	X X	4%	12%
	X	2%	8%
	X X	4%	6%
25	X	2%	2%
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	35 mph	39 mph	32-41 mph	41	82%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rock Springs Rd **Segment:** Woodland Pkwy to Bennett Ave

Date/Time: 4/24/2024 11:00 AM - 12:15 PM **Direction:** West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45	X	2%	100%
	X	2%	98%
	X X	4%	96%
	X	2%	92%
40	X X X X	8%	90%
	X X	4%	82%
	X X X X	8%	78%
	X X X X X X X X	16%	70%
	X X X X X X	12%	54%
35	X X X X X	10%	42%
	X X X X	8%	32%
	X X X X	8%	24%
	X	2%	16%
	X X	4%	14%
30	X X	4%	10%
	X	2%	6%
	X	2%	4%
	X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	36 mph	40 mph	31-40 mph	40	80%

Roadway	Rose Ranch Road		
Segment	Mulberry Dr to Lantana Ct		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	No	85th Percentile Speed	46
Roadway Width (feet)	36	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	1.59/1.33
Median	Center Left Turn Lane	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

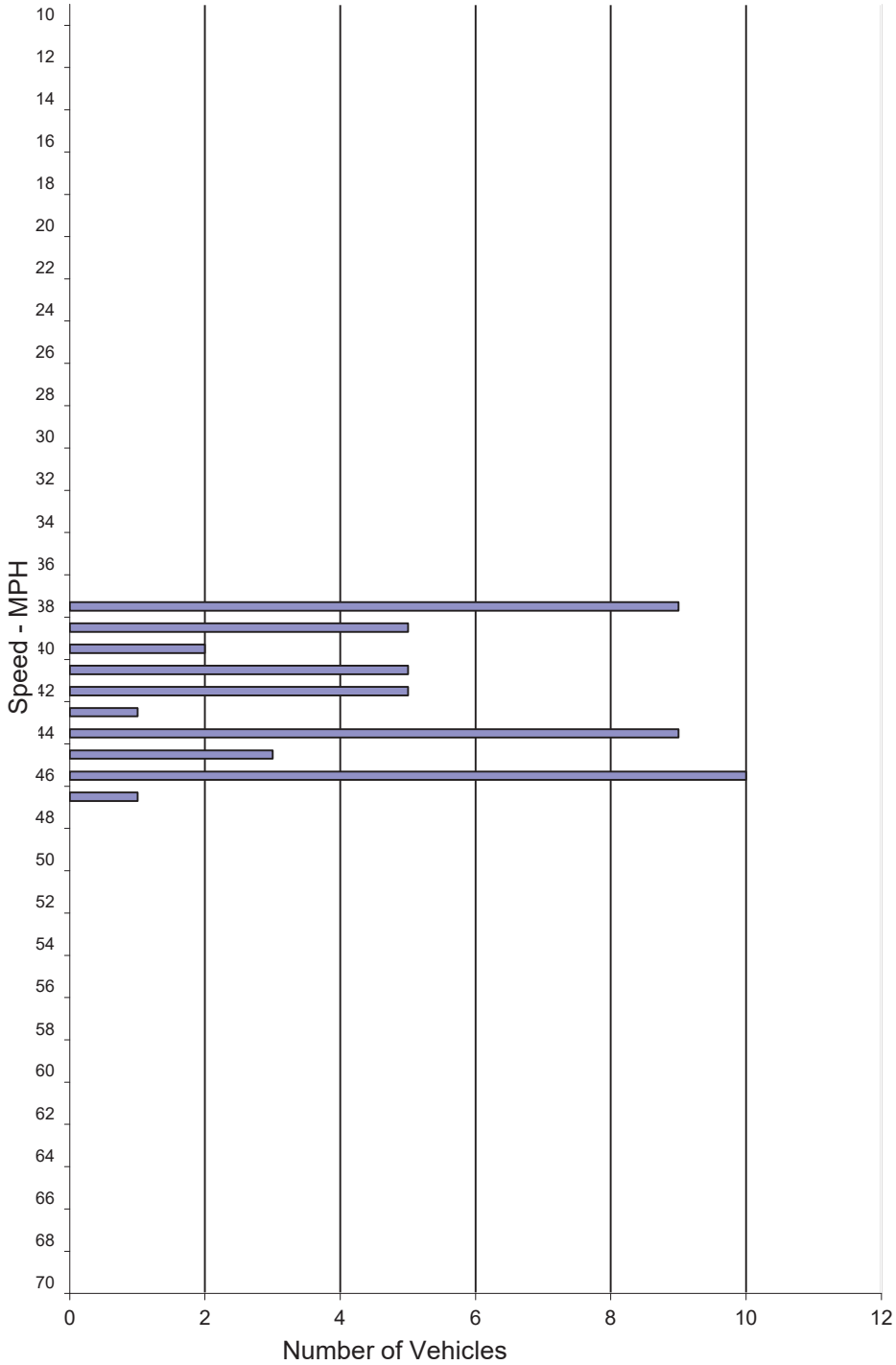
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** Rose Ranch Rd E/O Elm Tree Ln
TIME: 09:00-09:30 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-033

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	9
39	5
40	2
41	5
42	5
43	1
44	9
45	3
46	10
47	1
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	38 - 47	42 mph	46 mph	38 - 47	50	100%	0% / 0	0% / 0

Spot Speed Study

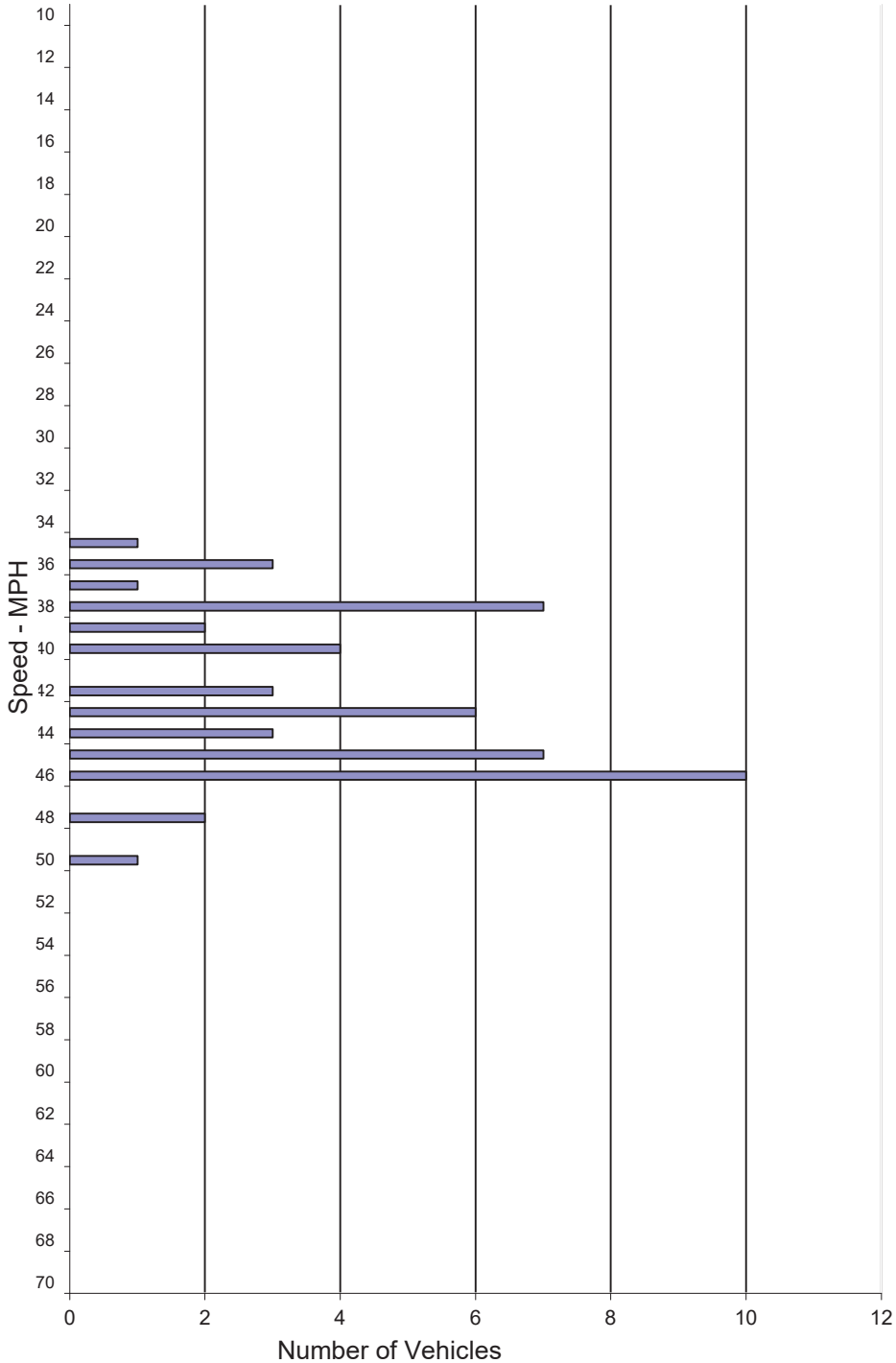
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** Rose Ranch Rd E/O Elm Tree Ln
TIME: 09:00-09:30 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-033

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	1
36	3
37	1
38	7
39	2
40	4
41	
42	3
43	6
44	3
45	7
46	10
47	
48	2
49	
50	1
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	35 - 50	43 mph	46 mph	37 - 46	43	86%	8% / 4	6% / 3

Spot Speed Study

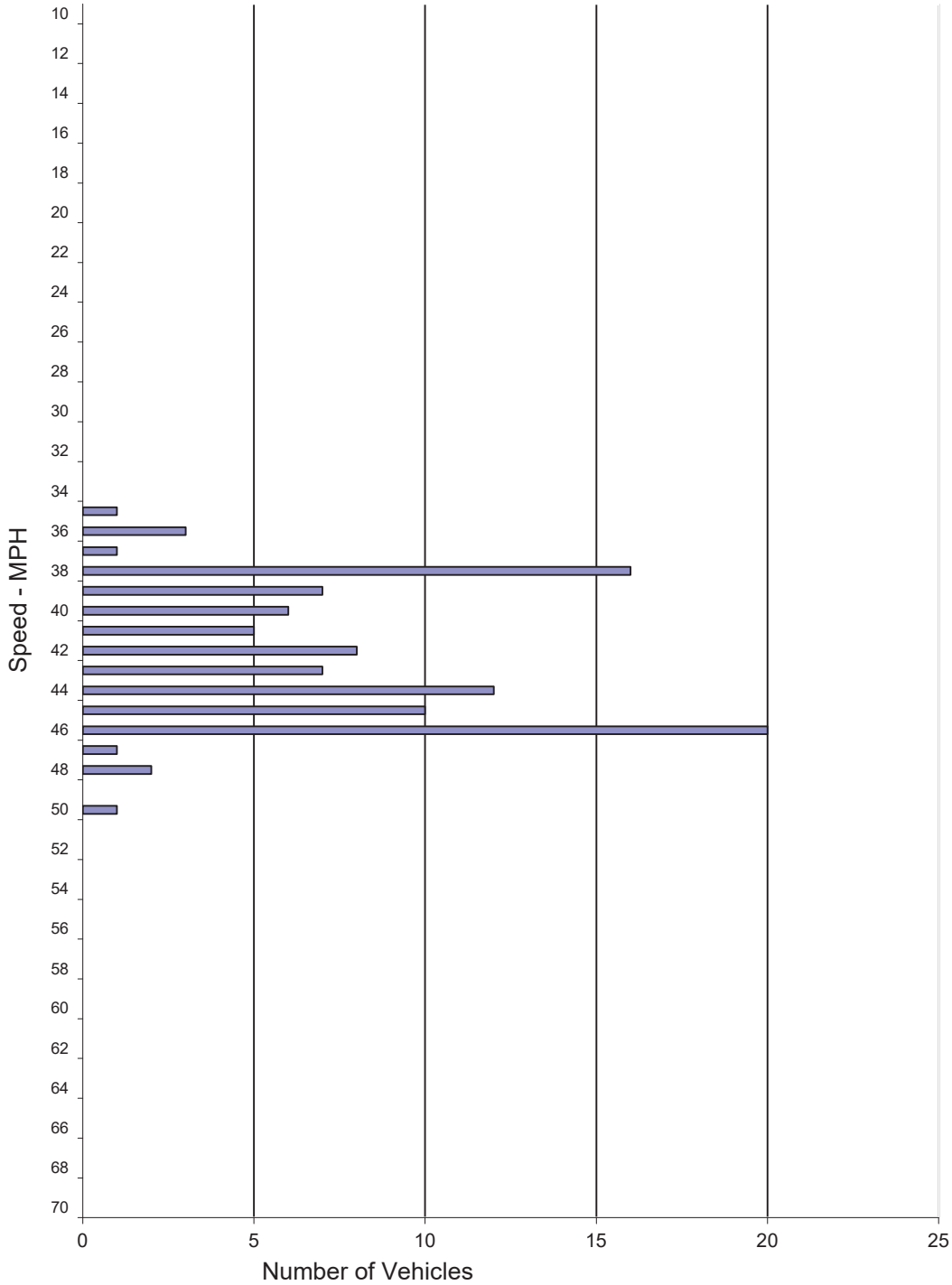
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** Rose Ranch Rd E/O Elm Tree Ln
TIME: 09:00-09:30 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-033

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	1
36	3
37	1
38	16
39	7
40	6
41	5
42	8
43	7
44	12
45	10
46	20
47	1
48	2
49	
50	1
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	35 - 50	43 mph	46 mph	37 - 46	92	92%	4% / 4	4% / 4

Roadway	Rose Ranch Road		
Segment	Lantana Court to Borden Road		
Pedestrian Facilities	Yes	Posted Speed Limit	30
Bicycle Facilities	No	85th Percentile Speed	34
Roadway Width (feet)	30	Recommended Speed Limit	30
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	1.47/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rose Ranch Rd **Segment:** Lantana Ct to Borden Rd

Date/Time: 4/23/2024 9:20 AM - 12:30 PM **Direction:** East-West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
40	X	1%	100%
	X X	2%	99%
	X X X	3%	97%
	X X X	3%	94%
35	X X X	3%	91%
	X X X X X X X X X X	10%	88%
	X X X X X X X	7%	78%
	X X X X X X X X X X X X X X X X X X	18%	71%
	X X X X X X X X X X X X X X	14%	53%
30	X X X X X X X X X	9%	39%
	X X X X X X X X X X	10%	30%
	X X X X X X X X	8%	20%
	X X X X	4%	12%
	X X X X	4%	8%
25	X X	2%	4%
	X X	2%	2%
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	31 mph	34 mph	26-35 mph	87	87%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rose Ranch Rd **Segment:** Lantana Ct to Borden Rd

Date/Time: 4/23/2024 9:20 AM - 12:30 PM **Direction:** East

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
40	X	2%	100%
	X	2%	98%
	X	2%	96%
	X	2%	94%
35	X	2%	92%
	X X X X X	10%	90%
	X X X X	8%	80%
	X X X X X X X X X X	20%	72%
	X X X X X X X	14%	52%
30	X X X X X X	12%	38%
	X X X X	8%	26%
	X X	4%	18%
	X X X	6%	14%
	X X X	6%	8%
25			
	X	2%	2%
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	31 mph	34 mph	26-35 mph	45	90%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Rose Ranch Rd **Segment:** Lantana Ct to Borden Rd

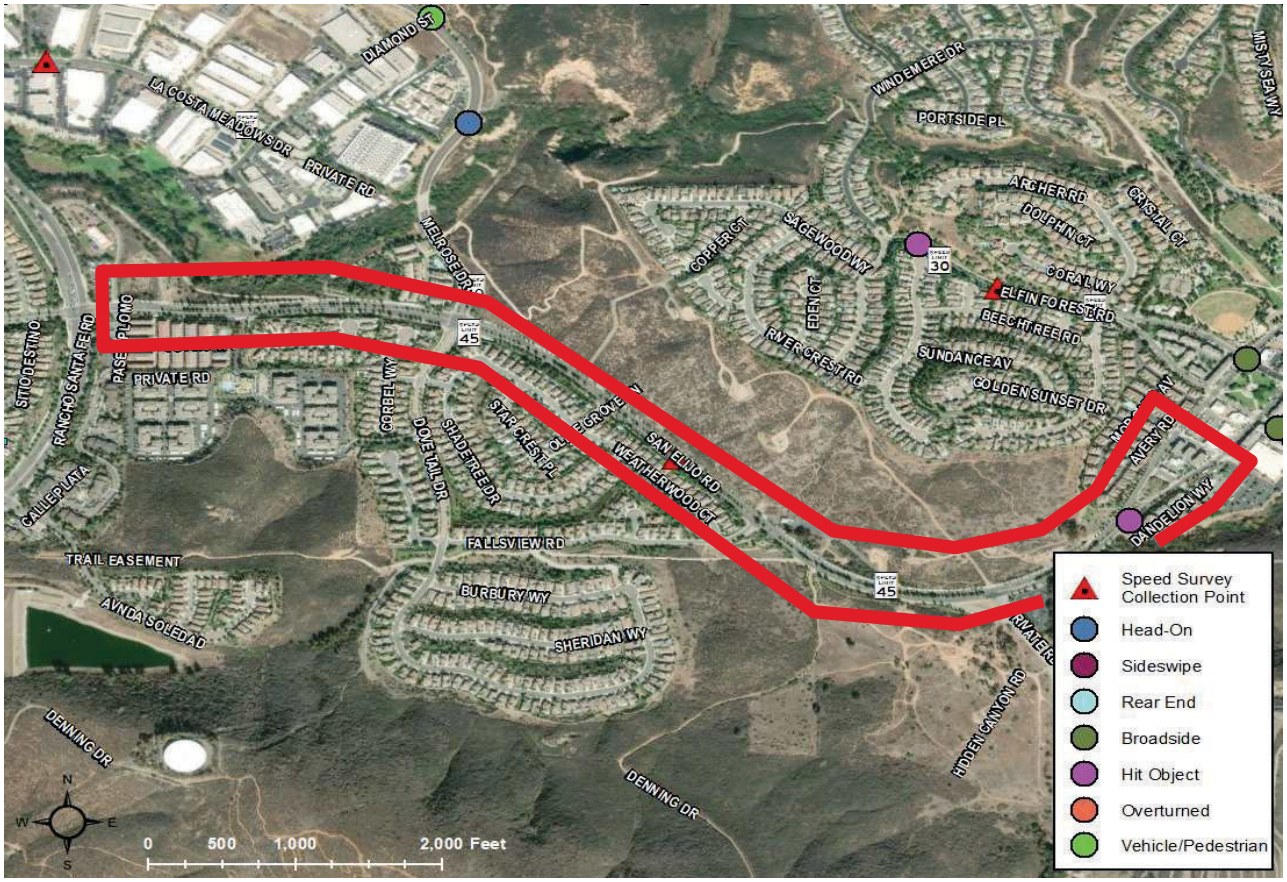
Date/Time: 4/23/2024 9:20 AM - 12:30 PM **Direction:** West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
45			
40			
	X	2%	100%
	X X	4%	98%
	X X	4%	94%
35	X X	4%	90%
	X X X X X	10%	86%
	X X X	6%	76%
	X X X X X X X X	16%	70%
	X X X X X X X	14%	54%
30	X X X	6%	40%
	X X X X X X	12%	34%
	X X X X X X	12%	22%
	X	2%	10%
	X	2%	8%
25	X X	4%	6%
	X	2%	2%
20			
15			
	TOTAL NUMBER OF VEHICLES	50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	31 mph	34 mph	28-37 mph	44	88%

Roadway	San Elijo Road		
Segment	Rancho Santa Fe Rd to 800' S/O Baker St.		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	48
Roadway Width (feet)	76	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.7/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: San Elijo Rd **Segment:** Rancho Santa Fe Rd to Baker St

Date/Time: 4/23/2024 12:55 PM - 2:00 PM **Direction:** East-West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	1%	100%
55	X	1%	99%
	X X	2%	98%
50	X X X X	4%	96%
	X X X X X X X	7%	92%
	X X X X X X X	7%	85%
	X X X X X X X X X X X X	12%	78%
	X X X X X X X X X X X X X	13%	66%
45	X X X X X X X X X X X X X	13%	53%
	X X X X X X	6%	40%
	X X X X X X	6%	34%
	X X X X X X X X	8%	28%
	X X X X X X	6%	20%
40	X X X	3%	14%
	X	1%	11%
	X X X	3%	10%
	X X X	3%	7%
	X	1%	4%
35	X X	2%	3%
30			
	X	1%	1%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	45 mph	48 mph	41-50 mph	82	82%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: San Elijo Rd **Segment:** Rancho Santa Fe Rd to Baker St

Date/Time: 4/23/2024 12:55 PM - 2:00 PM **Direction:** East

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55	X	2%	100%
	X	2%	98%
50	X X	4%	96%
	X X X X	8%	92%
	X X X	6%	84%
	X X X X X	10%	78%
	X X X X X X	12%	68%
45	X X X X X X	12%	56%
	X X X	6%	44%
	X X X	6%	38%
	X X X	6%	32%
	X X X X	8%	26%
40	X X X	6%	18%
	X X	4%	12%
	X X	4%	8%
35	X	2%	4%
30			
	X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	45 mph	49 mph	40-49 mph	40	80%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: San Elijo Rd **Segment:** Rancho Santa Fe Rd to Baker St

Date/Time: 4/23/2024 12:55 PM - 2:00 PM **Direction:** West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	2%	100%
55			
	X	2%	98%
50	X X	4%	96%
	X X X	6%	92%
	X X X X	8%	86%
	X X X X X X X	14%	78%
	X X X X X X X	14%	64%
45	X X X X X X X	14%	50%
	X X X	6%	36%
	X X X	6%	30%
	X X X X X	10%	24%
	X X	4%	14%
40			
	X	2%	10%
	X	2%	8%
	X	2%	6%
	X	2%	4%
35	X	2%	2%
30			
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	46 mph	48 mph	41-50 mph	43	86%

Roadway	San Elijo Road		
Segment	WB Elfin Forest to Stephanie Ct		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	Class II	85th Percentile Speed	42
Roadway Width (feet)	70	Recommended Speed Limit	35
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.24/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: San Elijo Rd **Segment:** WB Elfin Forest Rd to Stephanie Ct

Date/Time: 4/24/2024 1:00 PM - 1:55 PM **Direction:** East-West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	1%	100%
55			
	X X	2%	99%
50	X X	2%	97%
	X	1%	95%
45	X X X	3%	94%
	X X X X	4%	91%
	X X	2%	87%
	X X X X X X X X X	9%	85%
	X X X X X X X X X X X	11%	76%
40	X X X X X X X X	8%	65%
	X X X X X X X X X X X X X X	14%	57%
	X X X X X X X X	8%	43%
	X X X X X	5%	35%
	X X X X X X	6%	30%
35	X X X X X X X	7%	24%
	X X X X X X X	7%	17%
	X X X X	4%	10%
	X	1%	6%
	X X	2%	5%
30	X X	2%	3%
	X	1%	1%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	39 mph	42 mph	33-42 mph	79	79%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: San Elijo Rd **Segment:** WB Elfin Forest Rd to Stephanie Ct

Date/Time: 4/24/2024 1:00 PM - 1:55 PM **Direction:** East

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
	X	2%	100%
50	X X	4%	98%
45	X X	4%	94%
	X X X	6%	90%
	X X	4%	84%
	X X X X	8%	80%
	X X X X X X X	14%	72%
40	X X	4%	58%
	X X X X X X X X	16%	54%
	X X X	6%	38%
	X X X X X	10%	32%
35	X X	4%	22%
	X X X	6%	18%
	X X X	6%	12%
	X	2%	6%
	X	2%	4%
30	X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	39 mph	44 mph	33-42 mph	37	74%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: San Elijo Rd **Segment:** WB Elfin Forest Rd to Stephanie Ct

Date/Time: 4/24/2024 1:00 PM - 1:55 PM **Direction:** West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	2%	100%
55			
	X	2%	98%
50			
	X	2%	96%
45	X	2%	94%
	X	2%	92%
	X X X X X	10%	90%
	X X X X	8%	80%
40	X X X X X X	12%	72%
	X X X X X X	12%	60%
	X X X X X	10%	48%
	X X X X X	10%	38%
	X	2%	28%
35	X X X X X	10%	26%
	X X X X	8%	16%
	X	2%	8%
	X	2%	6%
30	X	2%	4%
	X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	39 mph	42 mph	33-42 mph	42	84%

Roadway	San Elijo Road		
Segment	Stephanie Ct to Questhaven Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	49
Roadway Width (feet)	90	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.28/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

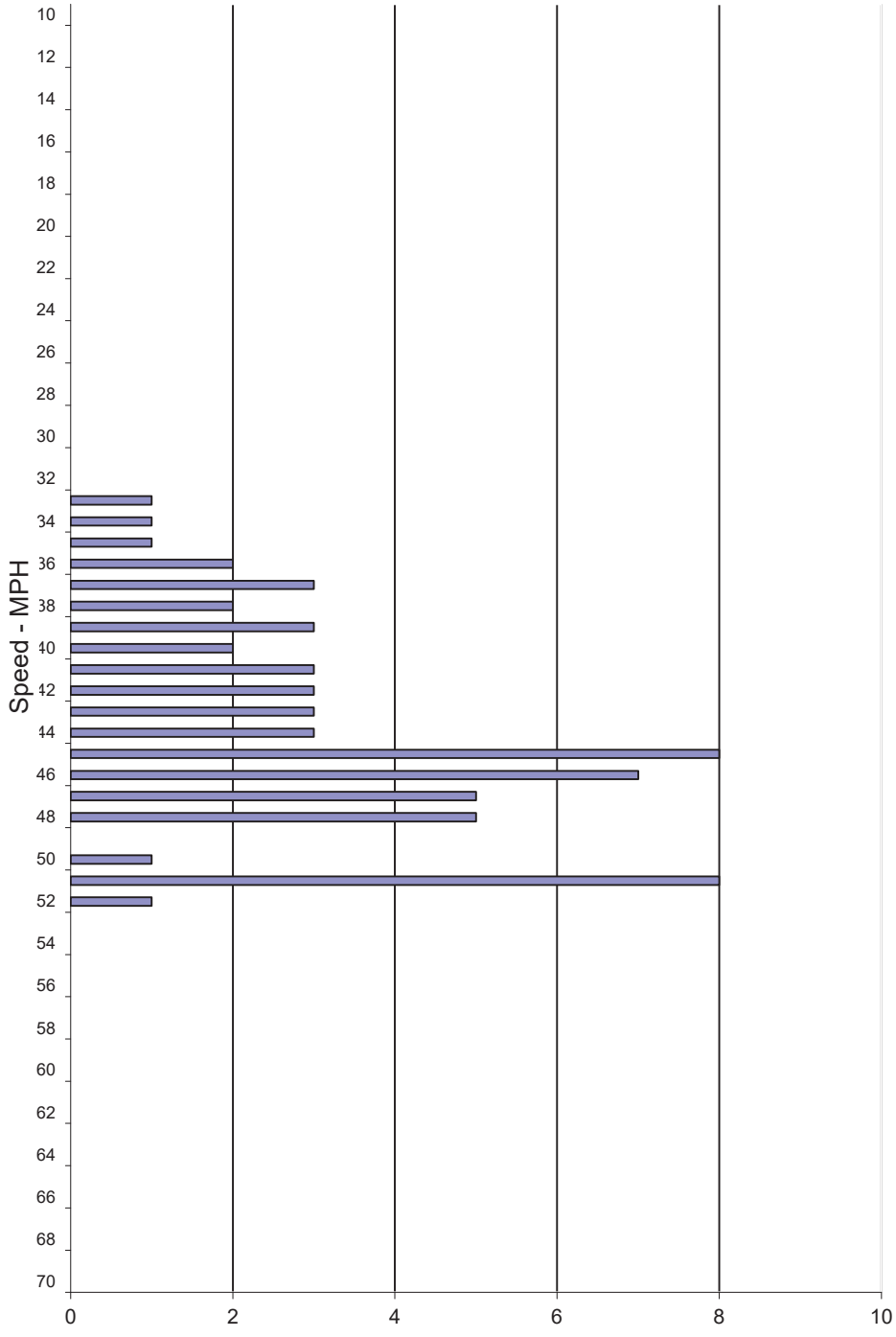
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** San Elijo Rd W/O Questhaven Rd
TIME: 10:30-11:10 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-058

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
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28	
29	
30	
31	
32	
33	1
34	1
35	1
36	2
37	3
38	2
39	3
40	2
41	3
42	3
43	3
44	3
45	8
46	7
47	5
48	5
49	
50	1
51	8
52	1
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	62	33 - 52	45 mph	50 mph	42 - 51	43	69%	29% / 18	2% / 1

Spot Speed Study

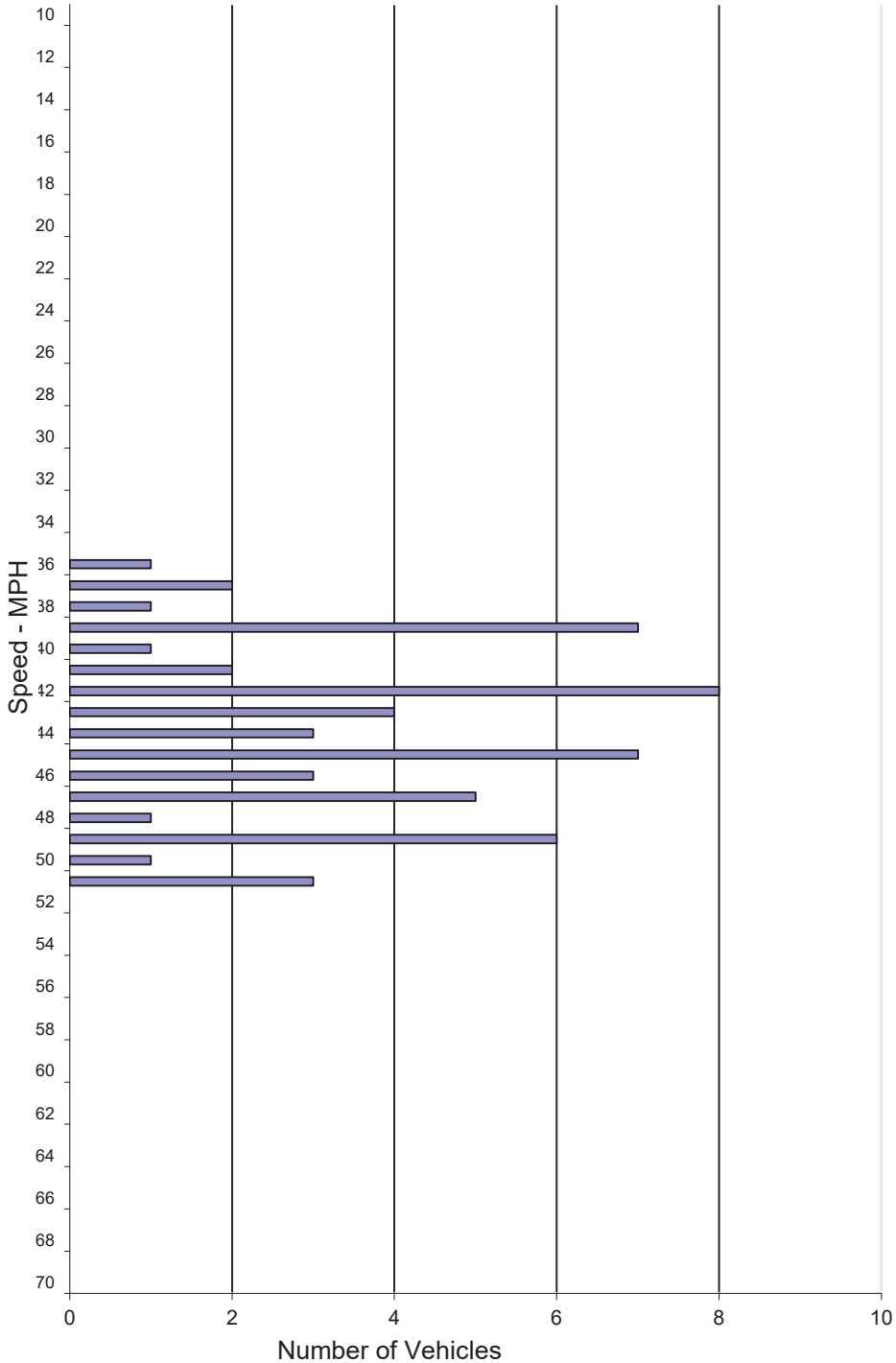
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** San Elijo Rd W/O Questhaven Rd
TIME: 10:30-11:10 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-058

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	1
37	2
38	1
39	7
40	1
41	2
42	8
43	4
44	3
45	7
46	3
47	5
48	1
49	6
50	1
51	3
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	36 - 51	44 mph	49 mph	38 - 47	41	75%	5% / 3	20% / 11

Spot Speed Study

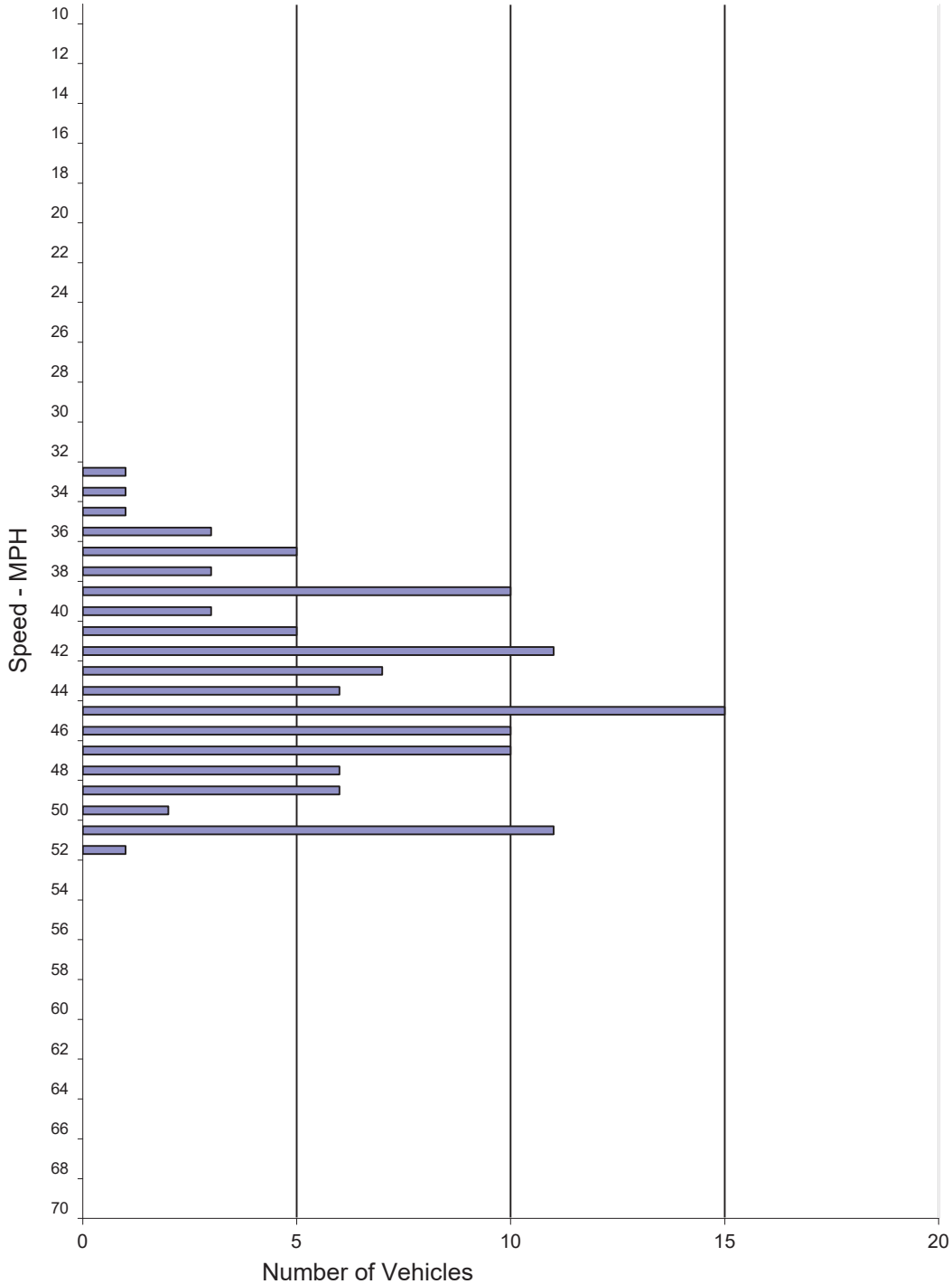
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** San Elijo Rd W/O Questhaven Rd
TIME: 10:30-11:10 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-058

Eastbound & Westbound Spot Speeds

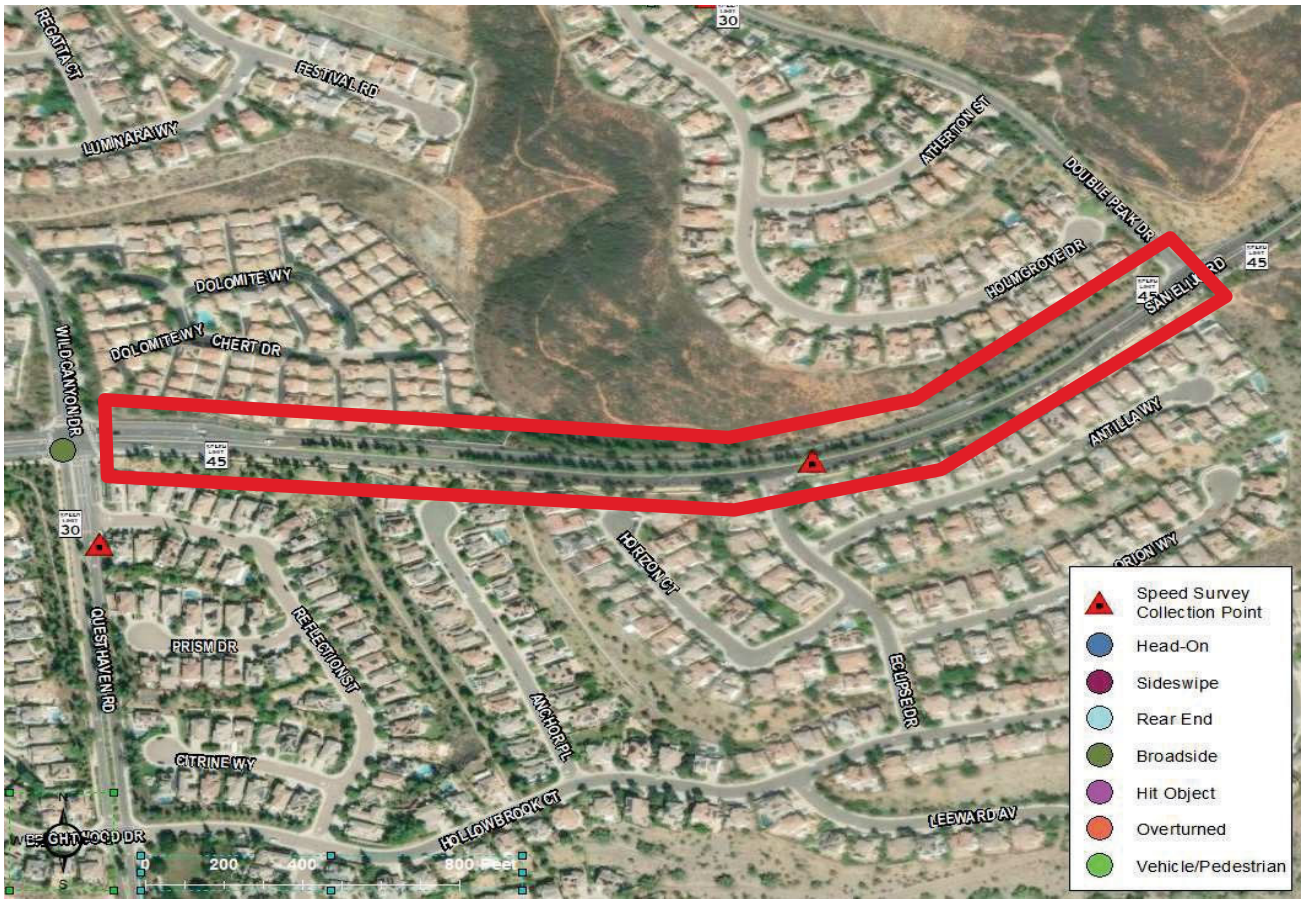
Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	1
34	1
35	1
36	3
37	5
38	3
39	10
40	3
41	5
42	11
43	7
44	6
45	15
46	10
47	10
48	6
49	6
50	2
51	11
52	1
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	117	33 - 52	45 mph	49 mph	42 - 51	84	72%	27% / 32	1% / 1

Roadway	San Elijo Road		
Segment	Questhaven Rd to Double Peak Dr		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	51
Roadway Width (feet)	70	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.39/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

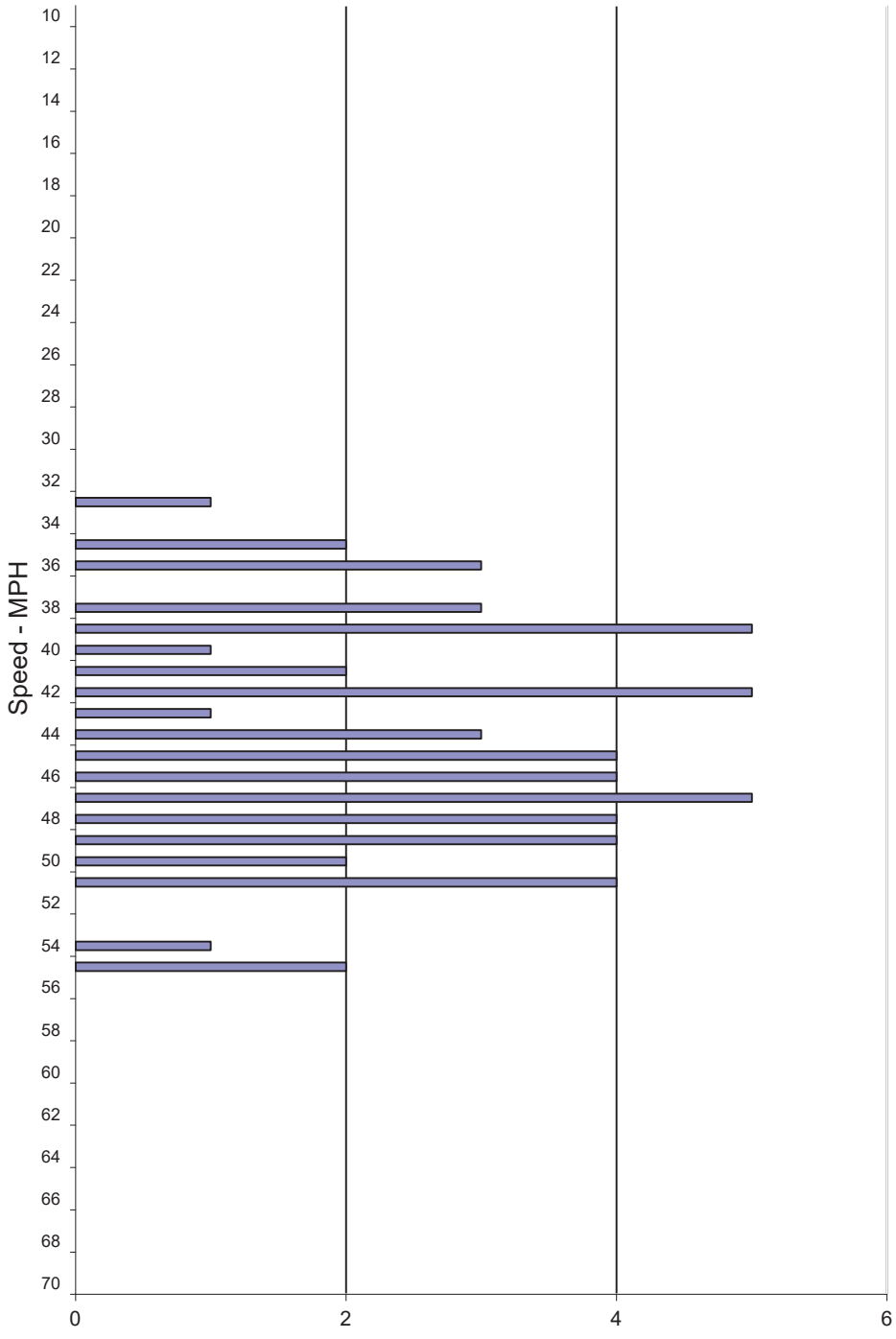
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** San Elijo Rd E/O Eclipse Dr
TIME: 12:39-13:02 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-013

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	1
34	
35	2
36	3
37	
38	3
39	5
40	1
41	2
42	5
43	1
44	3
45	4
46	4
47	5
48	4
49	4
50	2
51	4
52	
53	
54	1
55	2
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	56	33 - 55	45 mph	50 mph	42 - 51	36	64%	30% / 17	6% / 3

Spot Speed Study

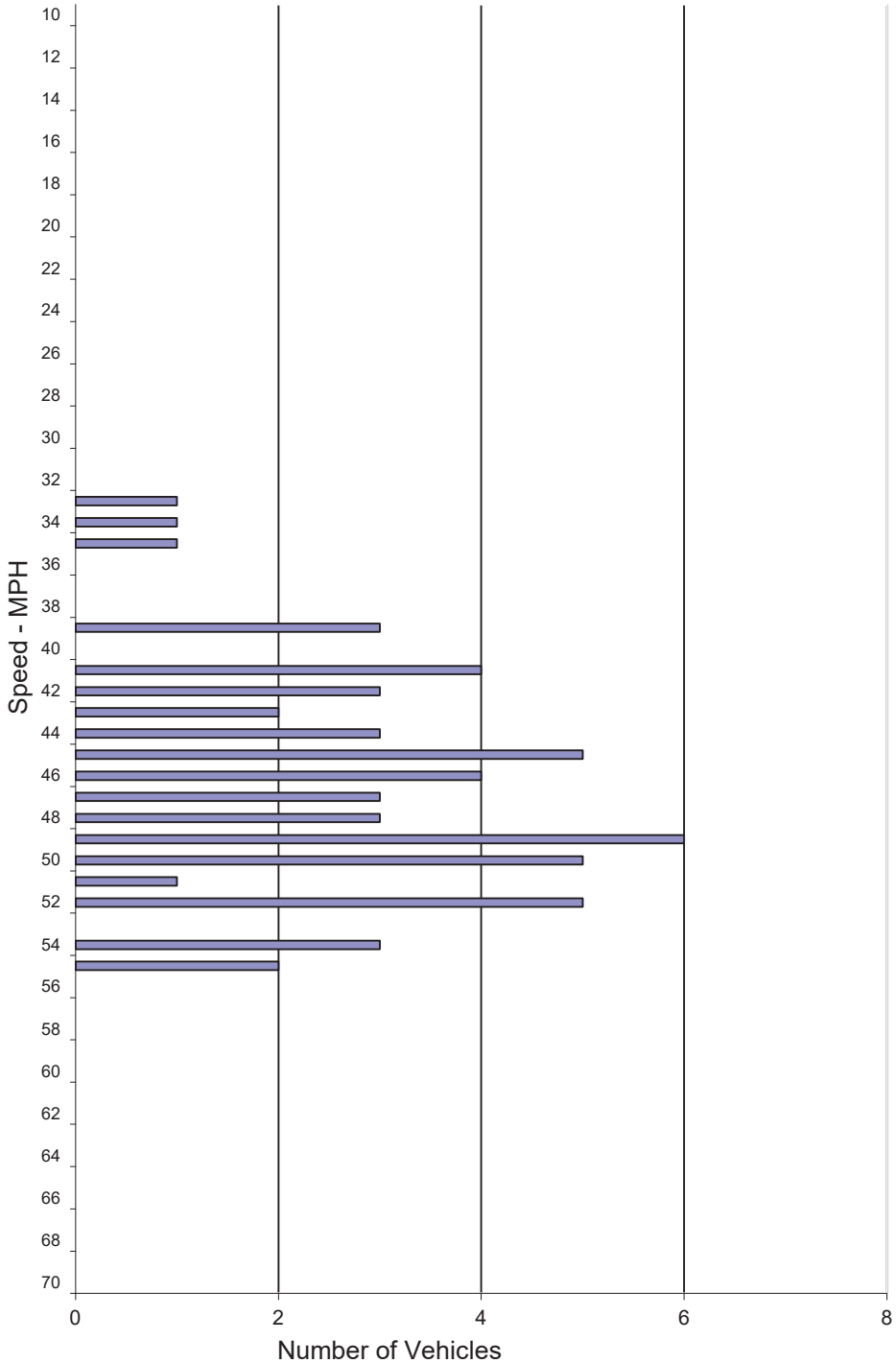
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** San Elijo Rd E/O Eclipse Dr
TIME: 12:39-13:02 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-013

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	1
34	1
35	1
36	
37	
38	
39	3
40	
41	4
42	3
43	2
44	3
45	5
46	4
47	3
48	3
49	6
50	5
51	1
52	5
53	
54	3
55	2
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	33 - 55	47 mph	52 mph	41 - 50	38	69%	10% / 6	20% / 11

Spot Speed Study

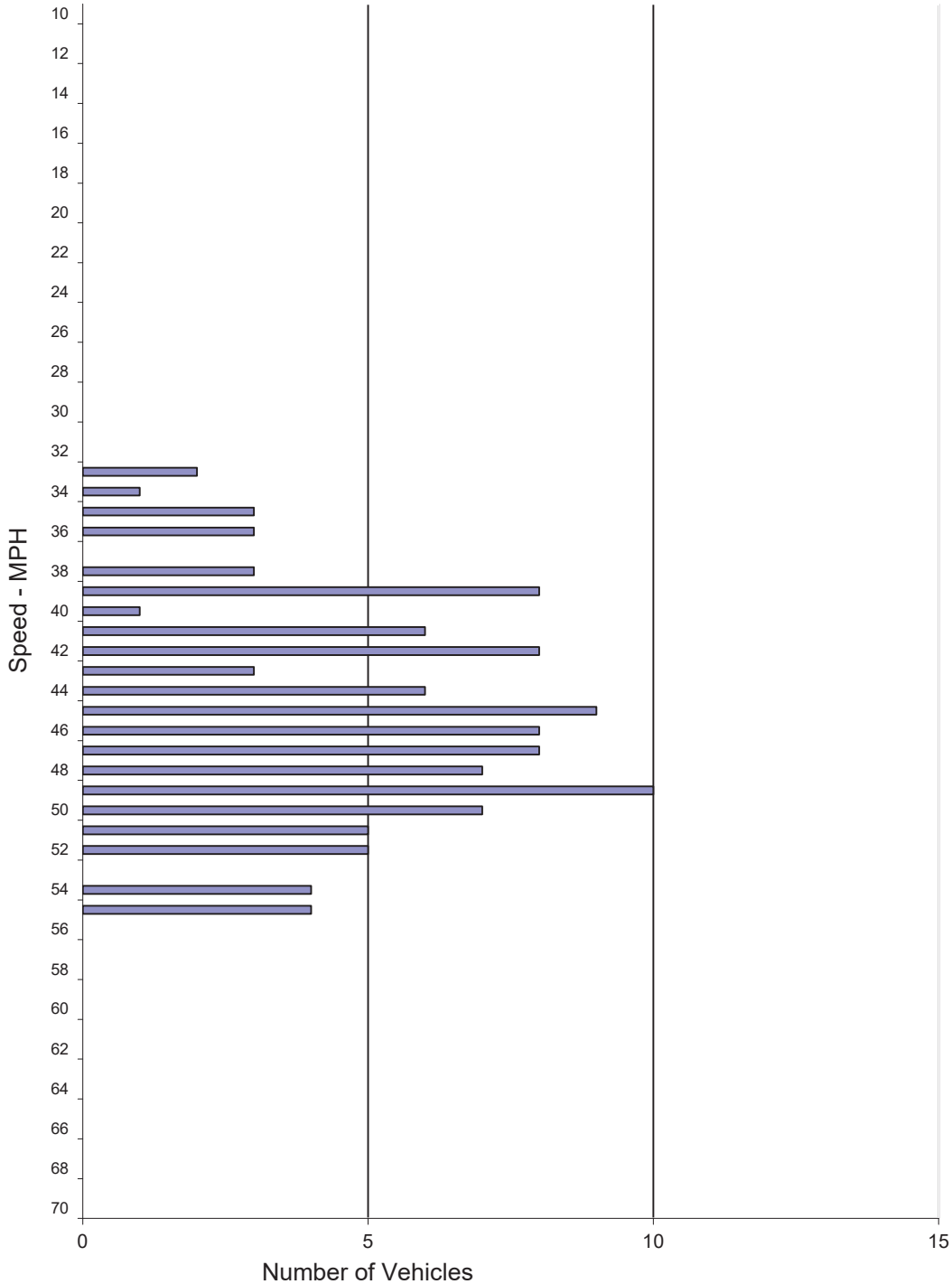
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** San Elijo Rd E/O Eclipse Dr
TIME: 12:39-13:02 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-013

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	2
34	1
35	3
36	3
37	
38	3
39	8
40	1
41	6
42	8
43	3
44	6
45	9
46	8
47	8
48	7
49	10
50	7
51	5
52	5
53	
54	4
55	4
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	111	33 - 55	46 mph	51 mph	41 - 50	72	65%	18% / 21	17% / 18

Roadway	San Elijo Road		
Segment	Double Peak Dr to Ridgeline Trailhead Park		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	49
Roadway Width (feet)	64	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.49/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

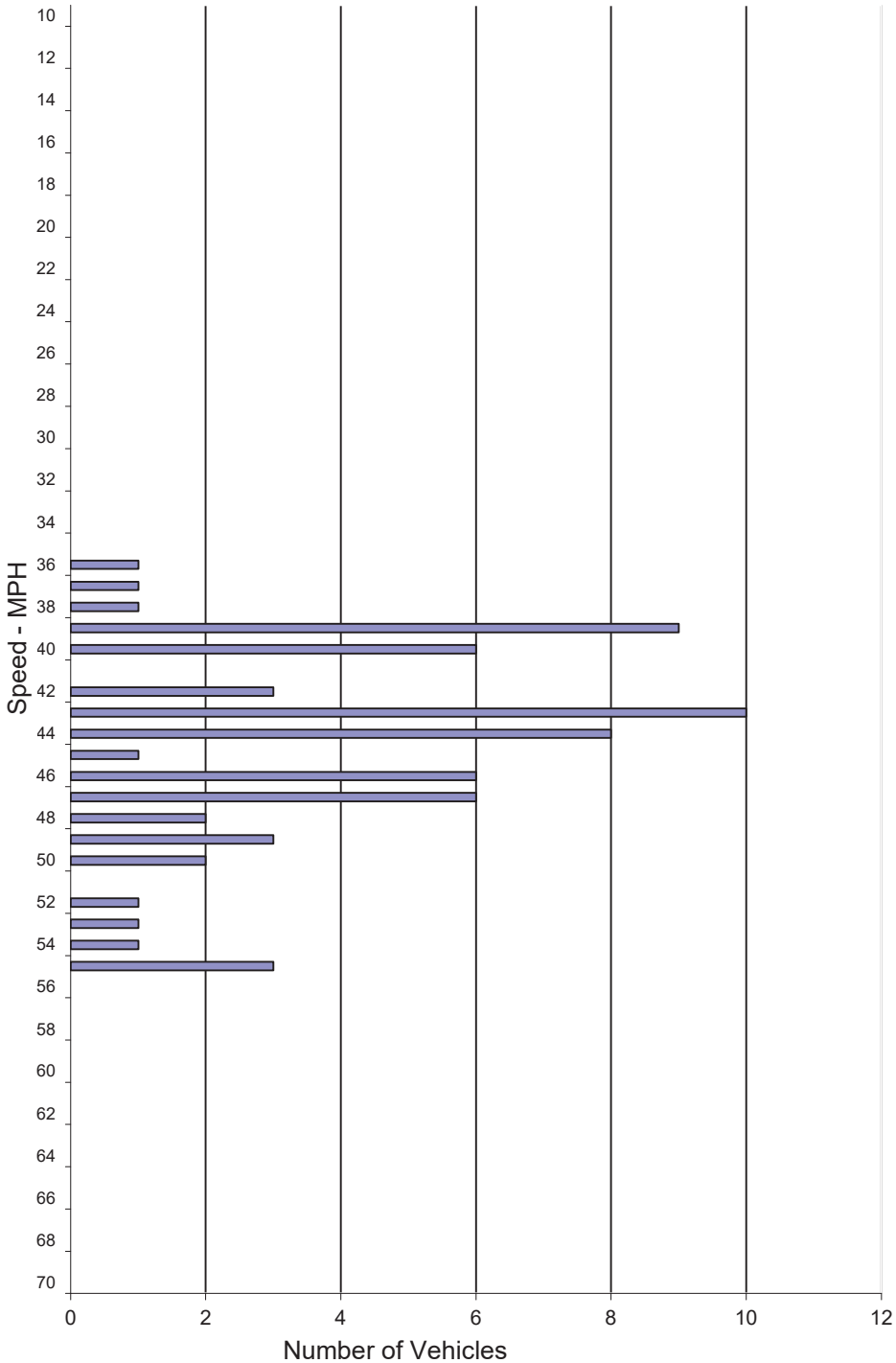
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** San Elijo Rd W/O Lauren Pl
TIME: 11:35-12:12 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-016

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	1
37	1
38	1
39	9
40	6
41	
42	3
43	10
44	8
45	1
46	6
47	6
48	2
49	3
50	2
51	
52	1
53	1
54	1
55	3
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	65	36 - 55	44 mph	49 mph	39 - 48	51	78%	4% / 3	17% / 11

Spot Speed Study

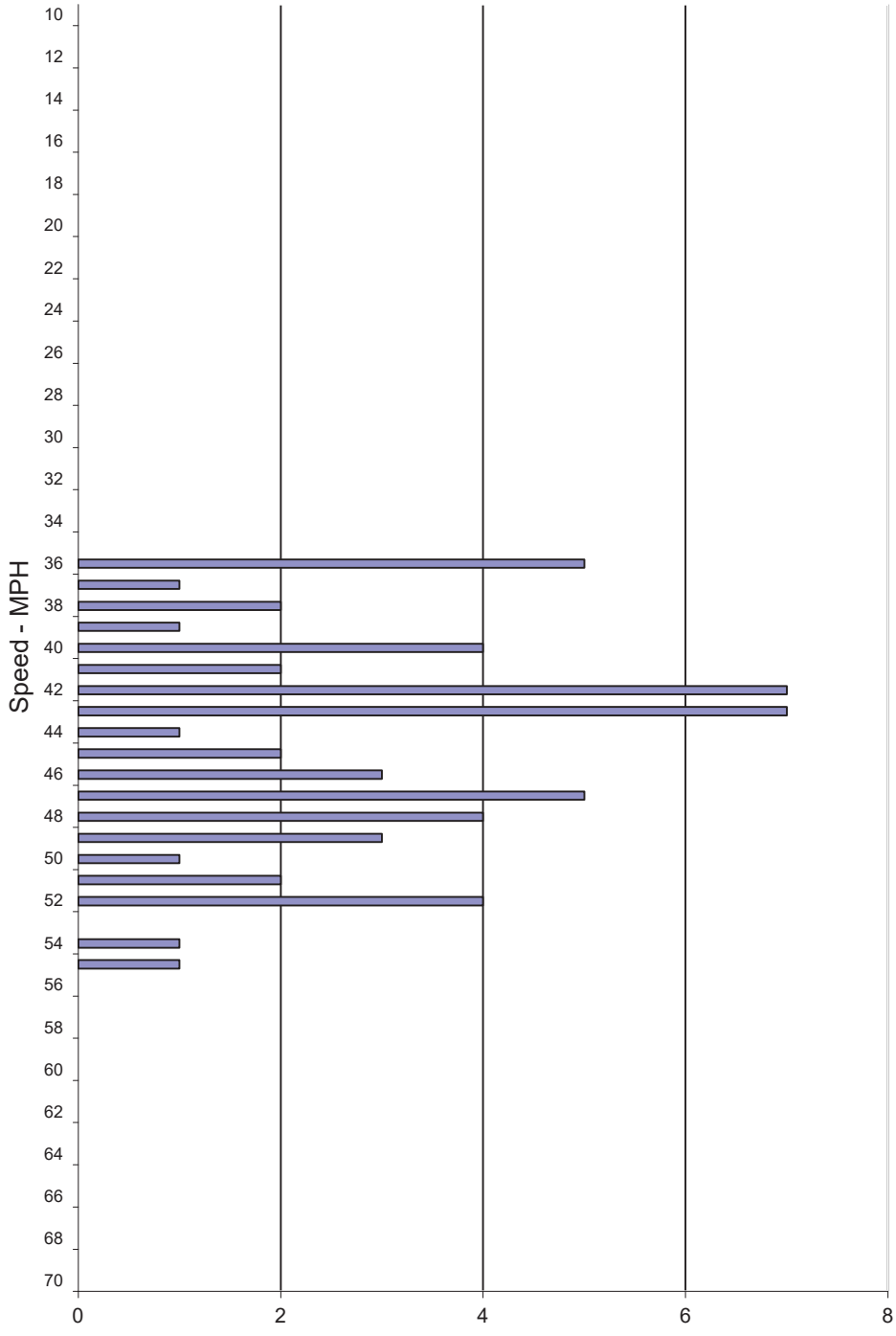
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** San Elijo Rd W/O Lauren Pl
TIME: 11:35-12:12 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-016

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	5
37	1
38	2
39	1
40	4
41	2
42	7
43	7
44	1
45	2
46	3
47	5
48	4
49	3
50	1
51	2
52	4
53	
54	1
55	1
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	56	36 - 55	43 mph	50 mph	40 - 49	38	68%	16% / 9	17% / 9

Spot Speed Study

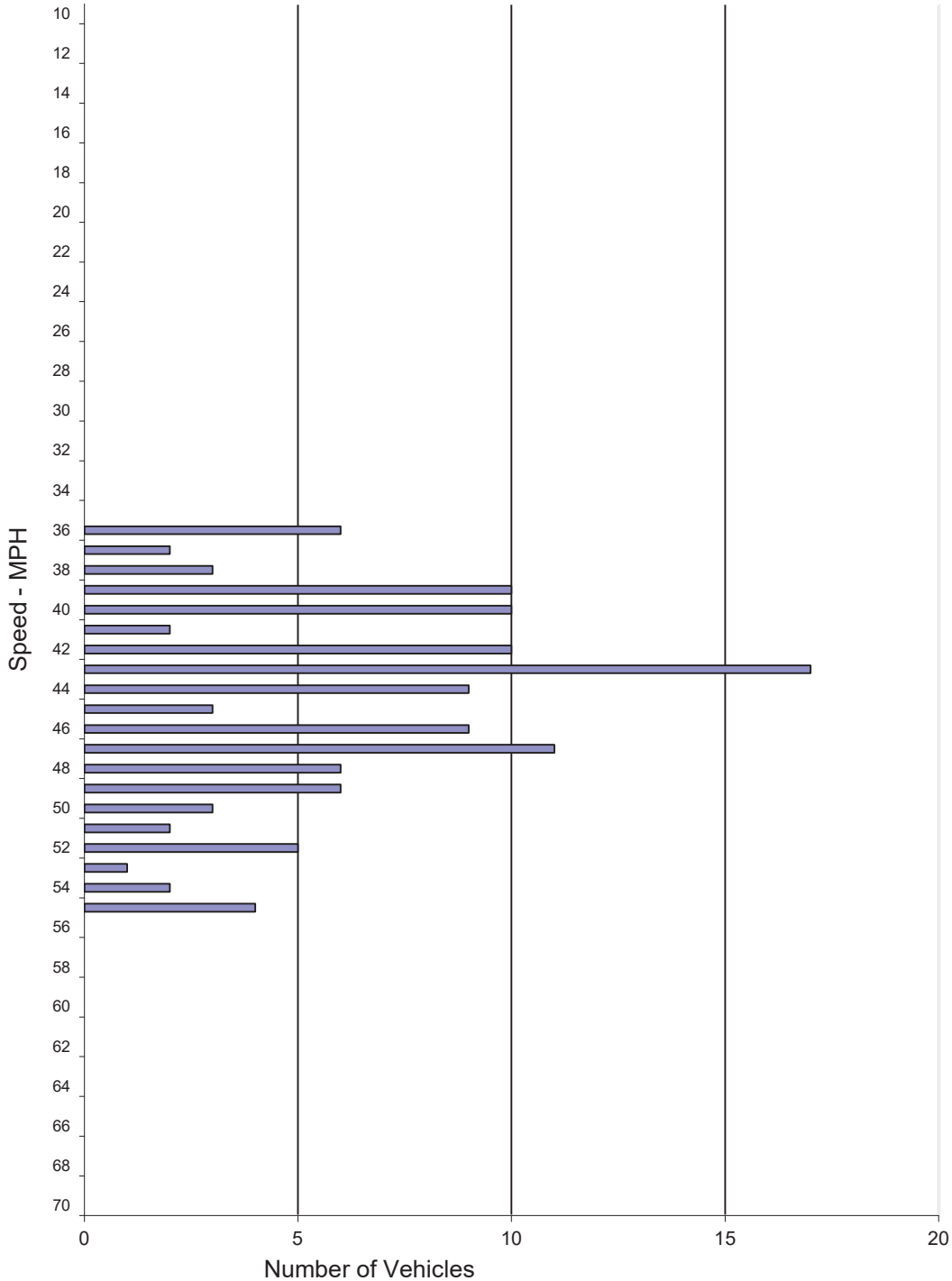
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** San Elijo Rd W/O Lauren Pl
TIME: 11:35-12:12 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-016

Eastbound & Westbound Spot Speeds

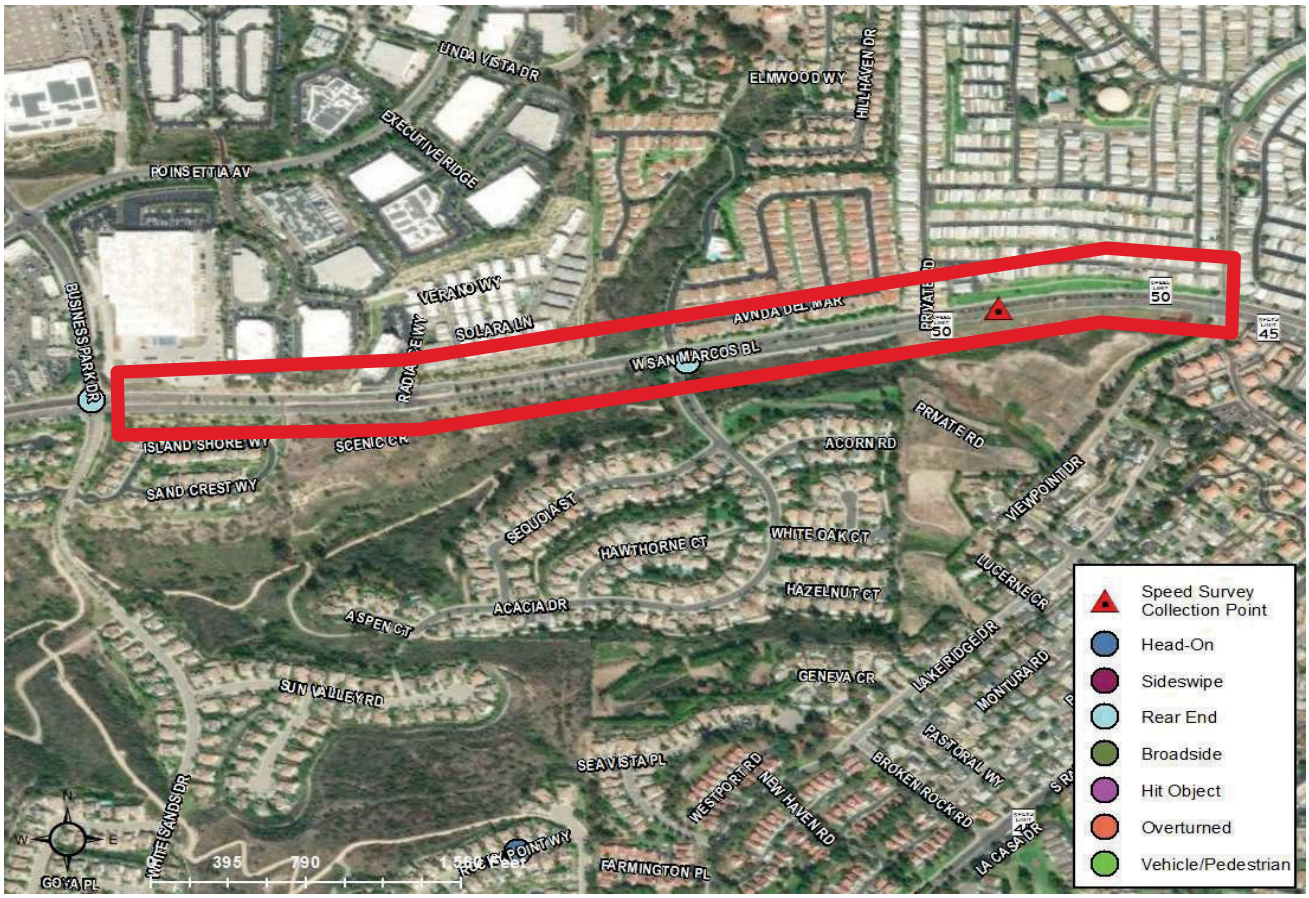
Speed mph	ALL Vehicles
<=10	
11	
12	
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23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	6
37	2
38	3
39	10
40	10
41	2
42	10
43	17
44	9
45	3
46	9
47	11
48	6
49	6
50	3
51	2
52	5
53	1
54	2
55	4
56	
57	
58	
59	
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61	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	121	36 - 55	44 mph	49 mph	39 - 48	87	72%	9% / 11	20% / 23

Roadway	San Marcos Boulevard		
Segment	Business Park Dr to Viewpoint Dr		
Pedestrian Facilities	Yes	Posted Speed Limit	50
Bicycle Facilities	Class II	85th Percentile Speed	51
Roadway Width (feet)	105	Recommended Speed Limit	45
No. of Striped Lanes	6	Collision Rate/Statewide Collision Rate*	0.21/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: San Marcos Blvd **Segment:** Business Park Dr to Viewpoint Dr

Date/Time: 5/9/2024 1:20 PM - 2:15 PM **Direction:** East-West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	1%	100%
	X	1%	99%
	X X	2%	98%
55	X	1%	96%
	X X X	3%	95%
	X X X X X	5%	92%
	X X X X X X	6%	87%
50	X X X X X X X	7%	81%
	X X X X X X X X X X X	11%	74%
	X X X X X X X X X X	10%	63%
	X X X X X	5%	53%
	X X X X X X	6%	48%
45	X X X X X X	6%	42%
	X X X X X X X	7%	36%
	X X X X X X X X	8%	29%
	X X X X X	5%	21%
	X X X X	4%	16%
40	X X X	3%	12%
	X	1%	9%
	X X X	3%	8%
	X	1%	5%
	X	1%	4%
35	X	1%	3%
	X X	2%	2%
30			
25			
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	47 mph	51 mph	43-52 mph	71	71%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: San Marcos Blvd **Segment:** Business Park Dr to Viewpoint Dr

Date/Time: 5/9/2024 1:20 PM - 2:15 PM **Direction:** East

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	X	2%	100%
	X	2%	98%
55	X	2%	96%
	X	2%	94%
	X X X	6%	92%
	X X X X X	10%	86%
50	X X X	6%	76%
	X X X X X	10%	70%
	X X X X X X	12%	60%
	X	2%	48%
	X	2%	46%
45	X X X	6%	44%
	X	2%	38%
	X X X X X	10%	36%
	X X X	6%	26%
	X X	4%	20%
40	X X X	6%	16%
	X	2%	10%
	X X	4%	8%
	X	2%	4%
35			
	X	2%	2%
30			
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	48 mph	51 mph	42-51 mph	33	66%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: San Marcos Blvd **Segment:** Business Park Dr to Viewpoint Dr

Date/Time: 5/9/2024 1:20 PM - 2:15 PM **Direction:** West

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
	XX	4%	100%
55			
	XX	4%	96%
	XX	4%	92%
	X	2%	88%
50	XXXX	8%	86%
	XXXXXX	12%	78%
	XXXX	8%	66%
	XXXX	8%	58%
	XXXXX	10%	50%
45	XXX	6%	40%
	XXXXXX	12%	34%
	XXX	6%	22%
	XX	4%	16%
	XX	4%	12%
40			
	X	2%	8%
	X	2%	6%
35	X	2%	4%
	X	2%	2%
30			
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	47 mph	50 mph	41-50 mph	39	78%

Roadway	San Marcos Boulevard		
Segment	Viewpoint Dr to Rancho Santa Fe Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	51
Roadway Width (feet)	92	Recommended Speed Limit	45
No. of Striped Lanes	5	Collision Rate/Statewide Collision Rate*	1.37/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

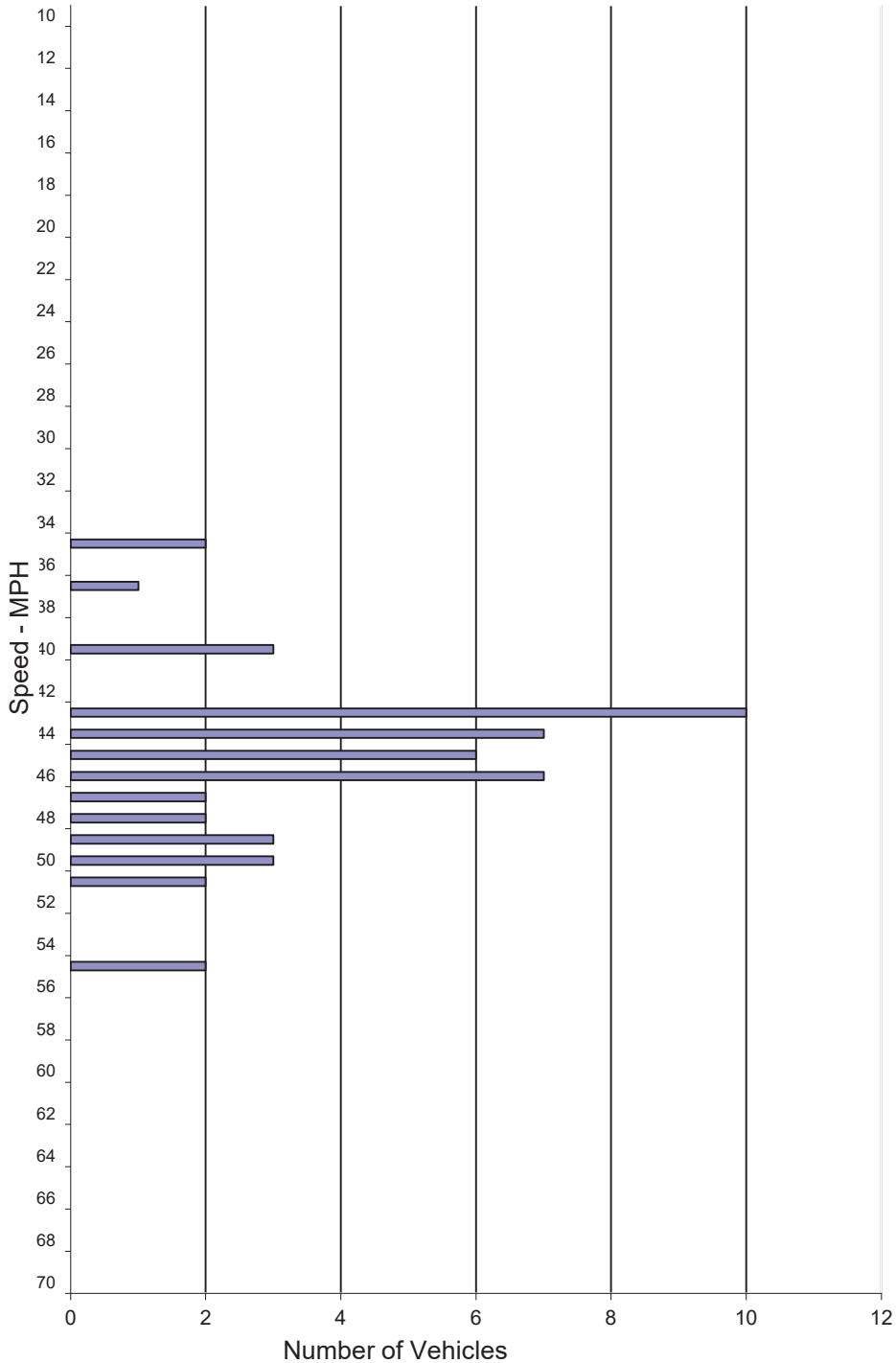
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** San Marcos Blvd Bet. Rancho Santa Fe Rd & Viewpoint Dr
TIME: 09:35-09:50 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-086

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	2
36	
37	1
38	
39	
40	3
41	
42	
43	10
44	7
45	6
46	7
47	2
48	2
49	3
50	3
51	2
52	
53	
54	
55	2
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	35 - 55	45 mph	49 mph	42 - 51	42	84%	12% / 6	4% / 2

Spot Speed Study

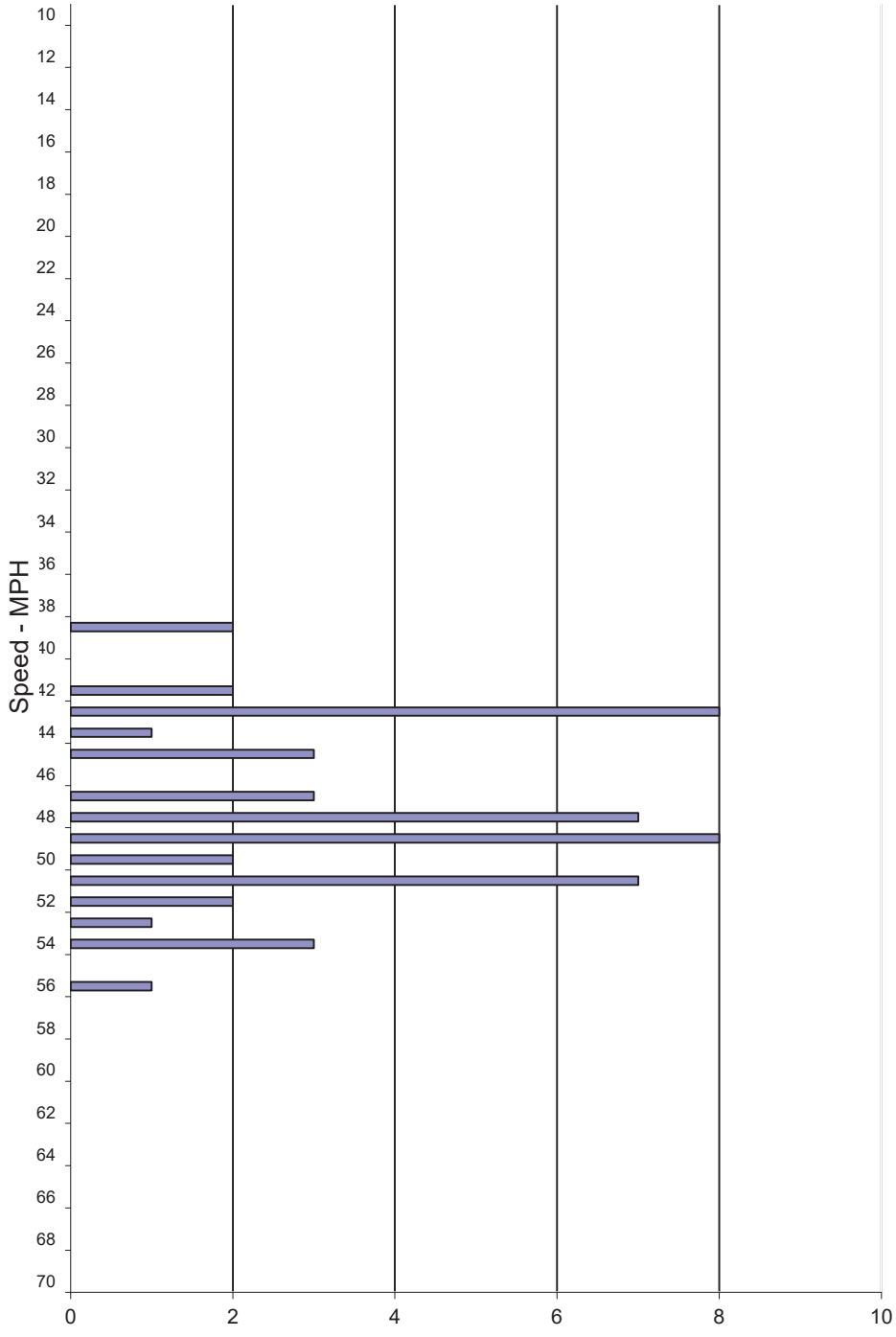
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** San Marcos Blvd Bet. Rancho Santa Fe Rd & Viewpoint Dr
TIME: 09:35-09:50 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-086

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
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30	
31	
32	
33	
34	
35	
36	
37	
38	
39	2
40	
41	
42	2
43	8
44	1
45	3
46	
47	3
48	7
49	8
50	2
51	7
52	2
53	1
54	3
55	
56	1
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	39 - 56	48 mph	51 mph	42 - 51	41	82%	4% / 2	14% / 7

Spot Speed Study

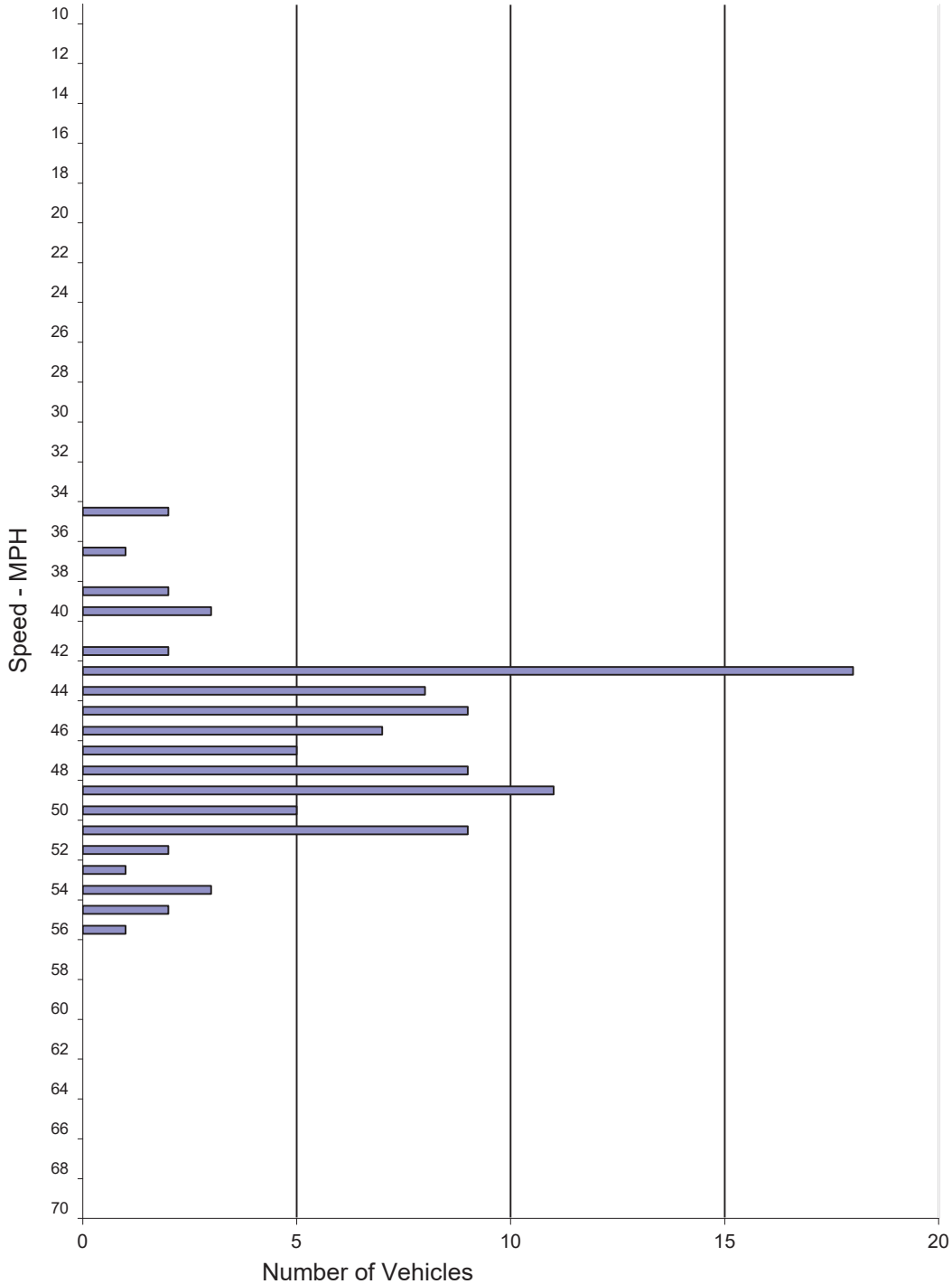
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/17/2023 **Location:** San Marcos Blvd Bet. Rancho Santa Fe Rd & Viewpoint Dr
TIME: 09:35-09:50 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-086

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
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20	
21	
22	
23	
24	
25	
26	
27	
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29	
30	
31	
32	
33	
34	
35	2
36	
37	1
38	
39	2
40	3
41	
42	2
43	18
44	8
45	9
46	7
47	5
48	9
49	11
50	5
51	9
52	2
53	1
54	3
55	2
56	1
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	35 - 56	46 mph	51 mph	42 - 51	83	83%	8% / 8	9% / 9

Roadway	San Marcos Boulevard		
Segment	Rancho Santa Fe Rd to Via Vera Cruz		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	43
Roadway Width (feet)	82	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	1.03/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

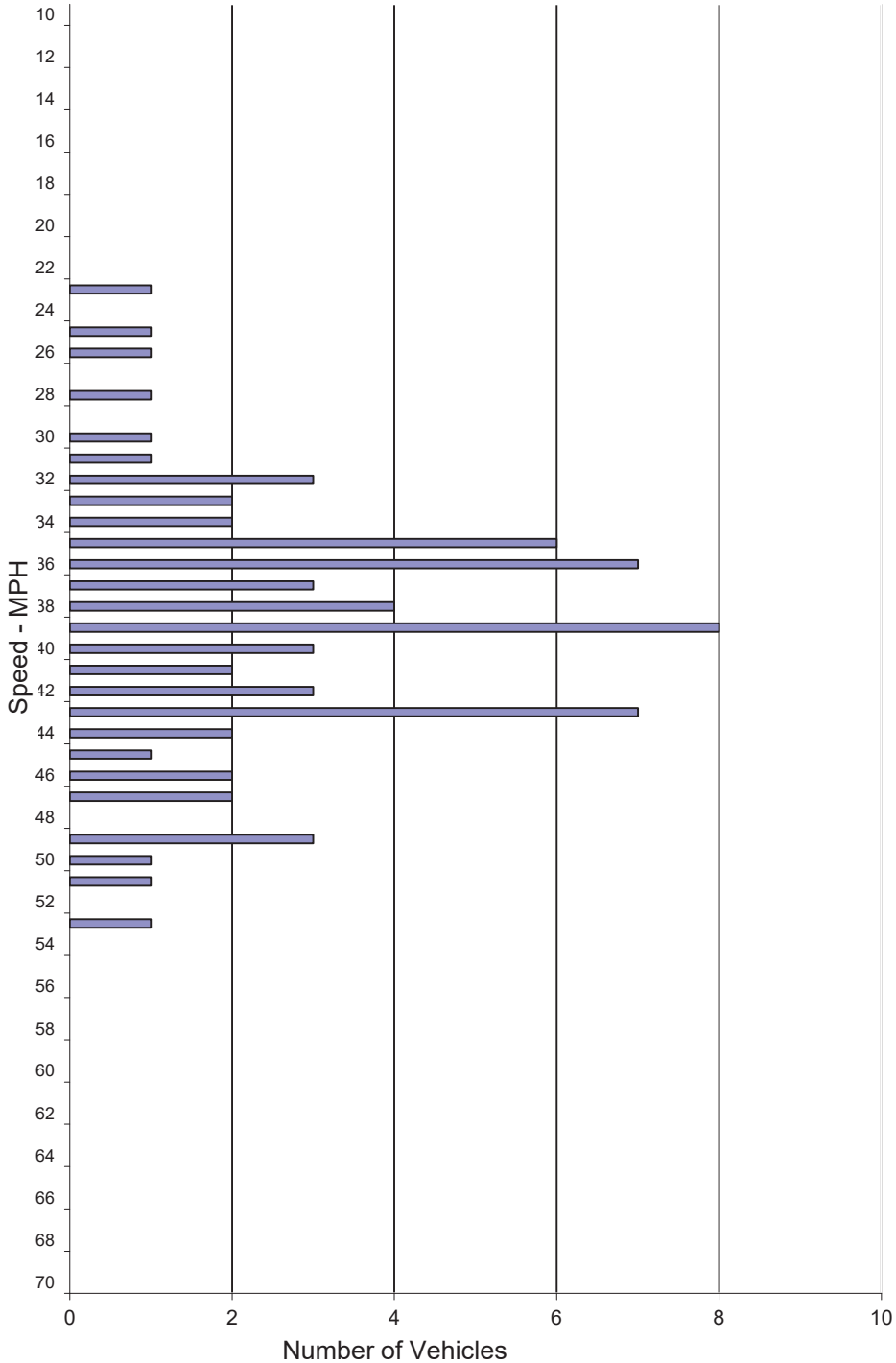
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** W San Marcos Blvd/CR S12 W/O S Pacific St
TIME: 13:20-13:49 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-090

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	
25	1
26	1
27	
28	1
29	
30	1
31	1
32	3
33	2
34	2
35	6
36	7
37	3
38	4
39	8
40	3
41	2
42	3
43	7
44	2
45	1
46	2
47	2
48	
49	3
50	1
51	1
52	
53	1
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	69	23 - 53	39 mph	45 mph	34 - 43	45	65%	15% / 11	19% / 13

Spot Speed Study

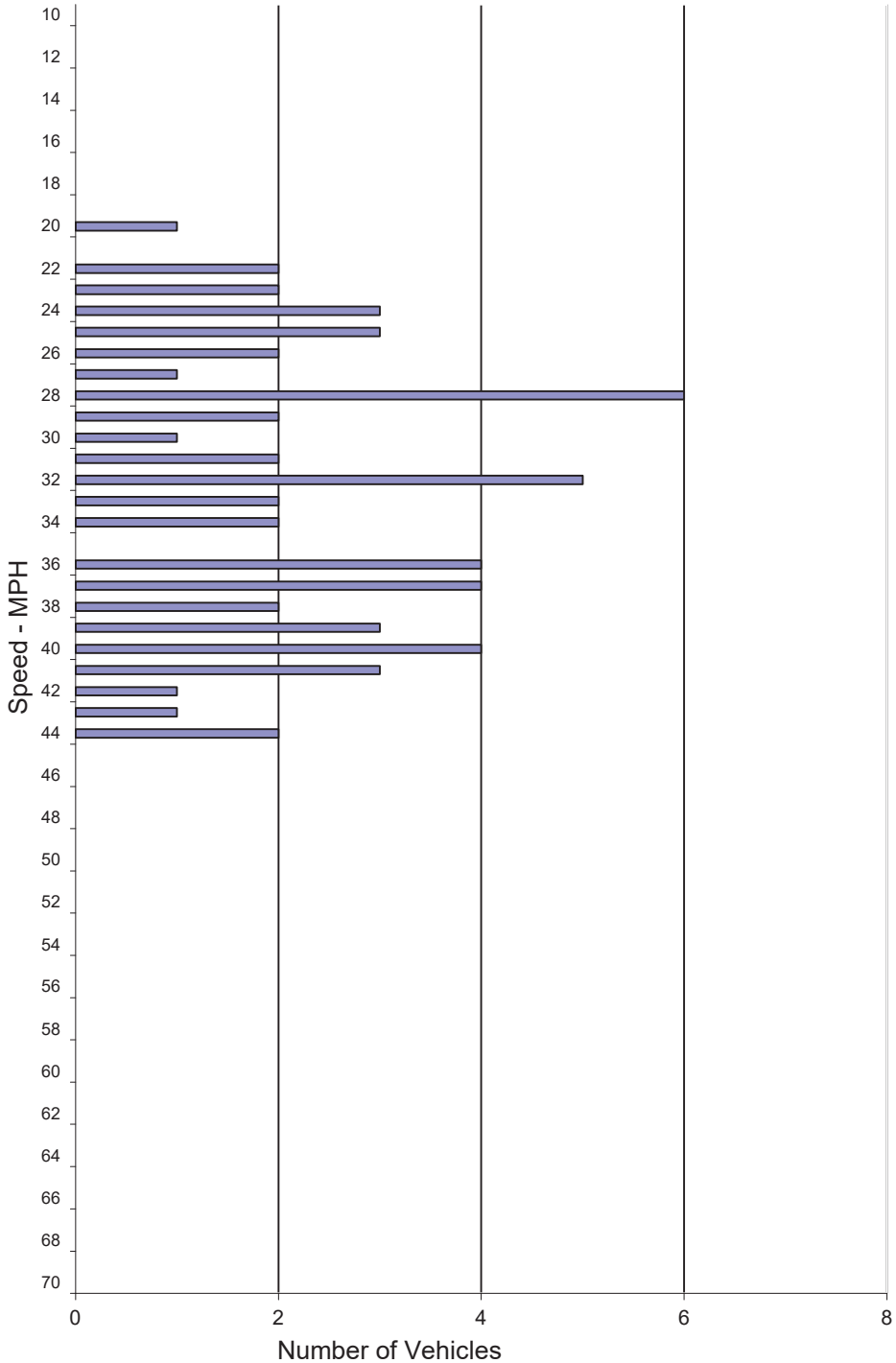
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** W San Marcos Blvd/CR S12 W/O S Pacific St
TIME: 13:20-13:49 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-090

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	
22	2
23	2
24	3
25	3
26	2
27	1
28	6
29	2
30	1
31	2
32	5
33	2
34	2
35	
36	4
37	4
38	2
39	3
40	4
41	3
42	1
43	1
44	2
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
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56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	58	20 - 44	32 mph	40 mph	32 - 41	29	50%	43% / 25	7% / 4

Spot Speed Study

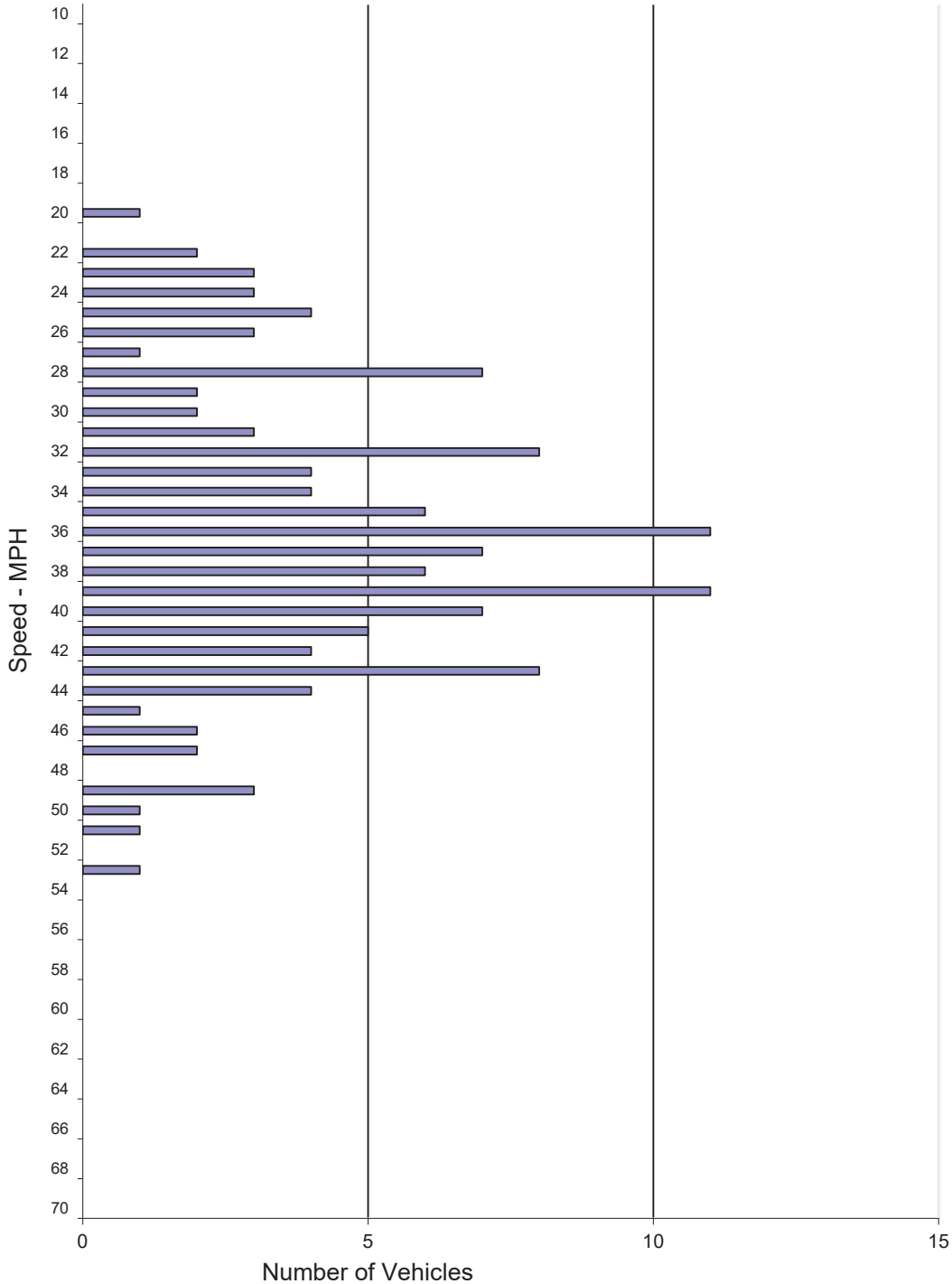
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** W San Marcos Blvd/CR S12 W/O S Pacific St
TIME: 13:20-13:49 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-090

Eastbound & Westbound Spot Speeds

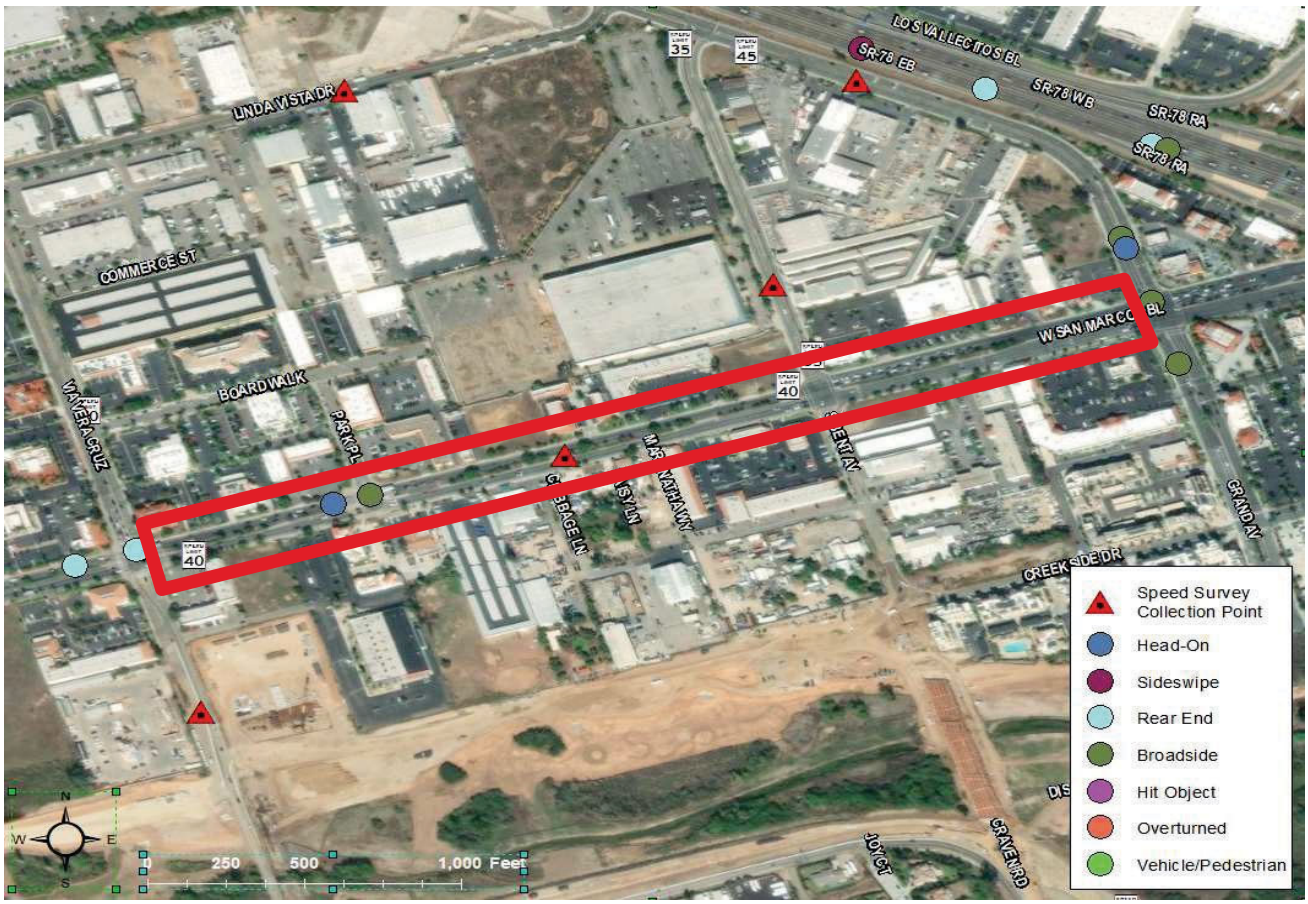
Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	
22	2
23	3
24	3
25	4
26	3
27	1
28	7
29	2
30	2
31	3
32	8
33	4
34	4
35	6
36	11
37	7
38	6
39	11
40	7
41	5
42	4
43	8
44	4
45	1
46	2
47	2
48	
49	3
50	1
51	1
52	
53	1
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	127	20 - 53	36 mph	43 mph	32 - 41	69	54%	24% / 31	22% / 27

Roadway	San Marcos Boulevard		
Segment	Via Vera Cruz to Grand Ave		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	43
Roadway Width (feet)	82	Recommended Speed Limit	40
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	1.35/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

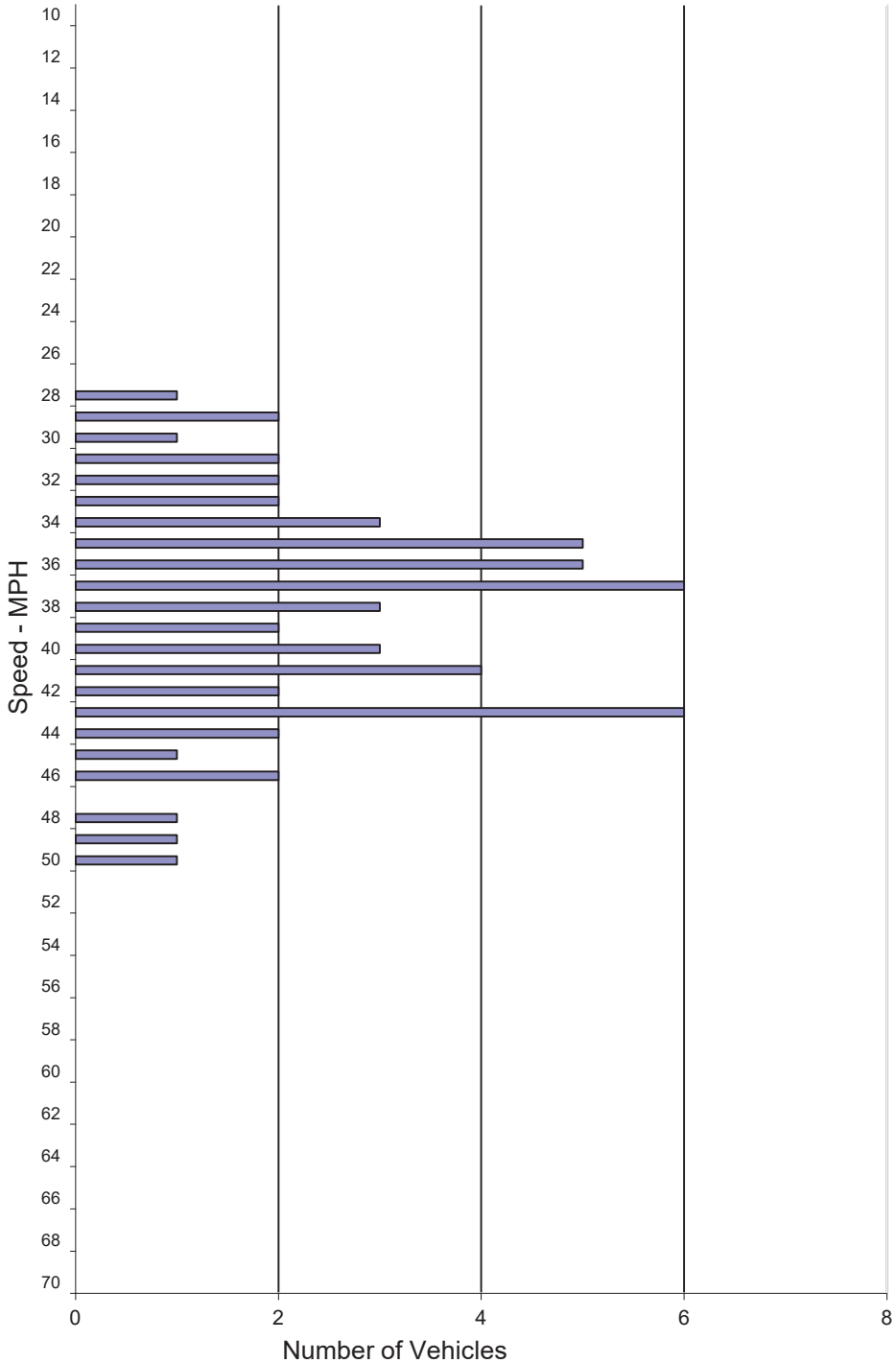
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/29/2023 **Location:** W San Marcos Blvd E/O Cribbage Ln
TIME: 09:41-10:16 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-074

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	1
29	2
30	1
31	2
32	2
33	2
34	3
35	5
36	5
37	6
38	3
39	2
40	3
41	4
42	2
43	6
44	2
45	1
46	2
47	
48	1
49	1
50	1
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	57	28 - 50	37 mph	43 mph	34 - 43	39	68%	17% / 10	15% / 8

Spot Speed Study

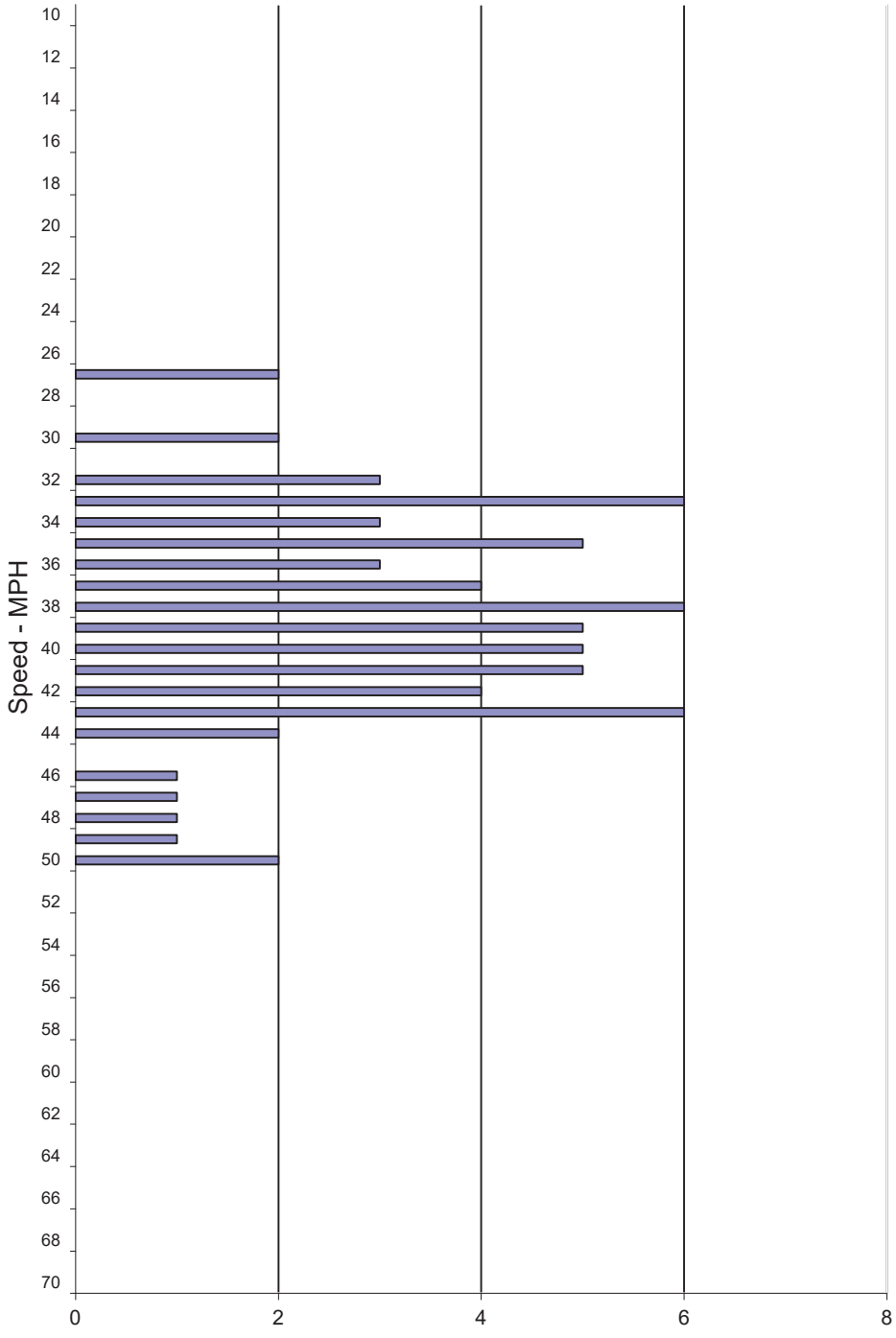
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/29/2023 **Location:** W San Marcos Blvd E/O Cribbage Ln
TIME: 09:41-10:16 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-074

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	2
28	
29	
30	2
31	
32	3
33	6
34	3
35	5
36	3
37	4
38	6
39	5
40	5
41	5
42	4
43	6
44	2
45	
46	1
47	1
48	1
49	1
50	2
51	
52	
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58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	67	27 - 50	38 mph	43 mph	33 - 42	46	69%	10% / 7	21% / 14

Spot Speed Study

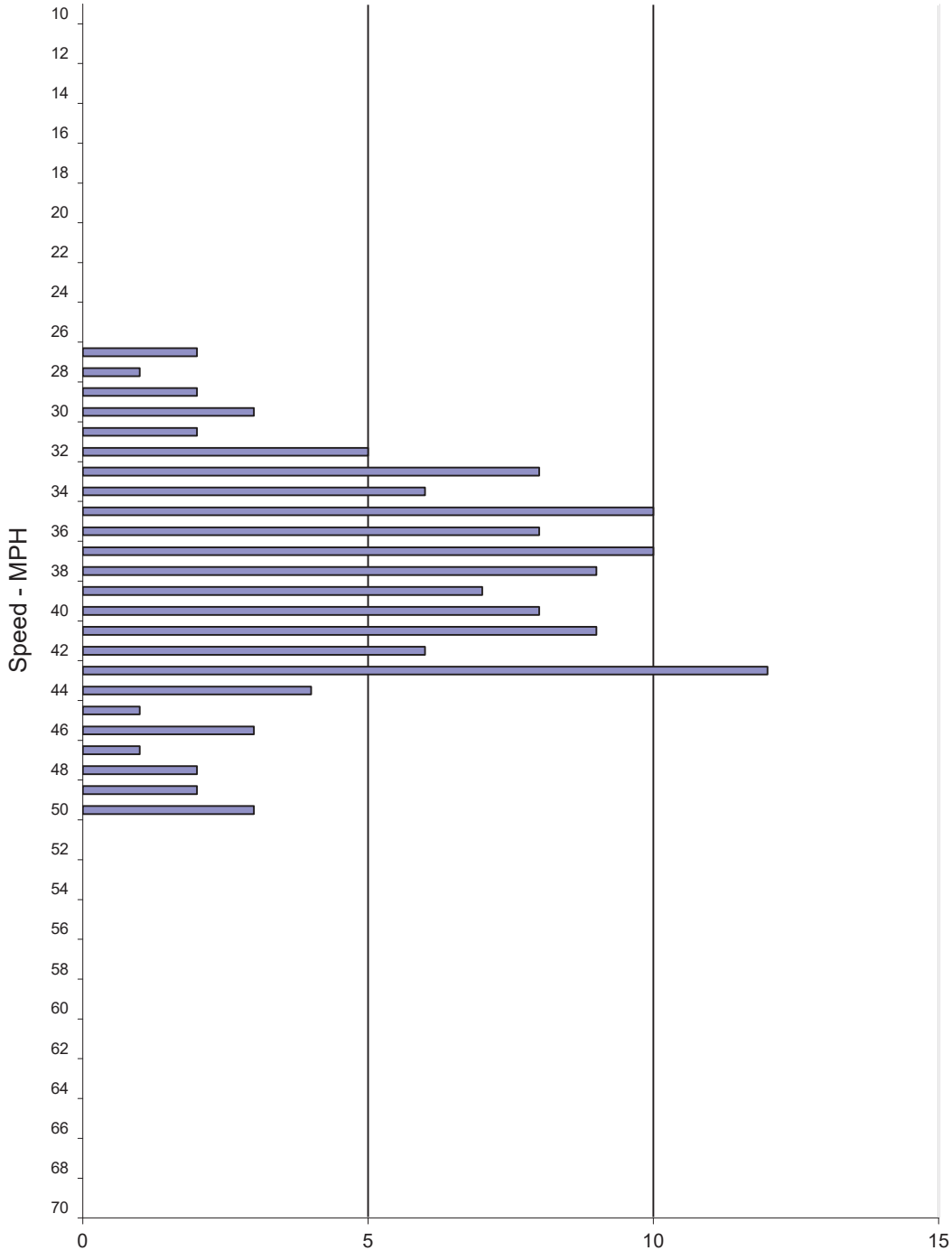
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/29/2023 **Location:** W San Marcos Blvd E/O Cribbage Ln
TIME: 09:41-10:16 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-074

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	2
28	1
29	2
30	3
31	2
32	5
33	8
34	6
35	10
36	8
37	10
38	9
39	7
40	8
41	9
42	6
43	12
44	4
45	1
46	3
47	1
48	2
49	2
50	3
51	
52	
53	
54	
55	
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58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	124	27 - 50	38 mph	43 mph	34 - 43	85	69%	18% / 23	13% / 16

Roadway	San Marcos Boulevard		
Segment	Grand Ave to Mission Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	41
Roadway Width (feet)	82	Recommended Speed Limit	40
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.71/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

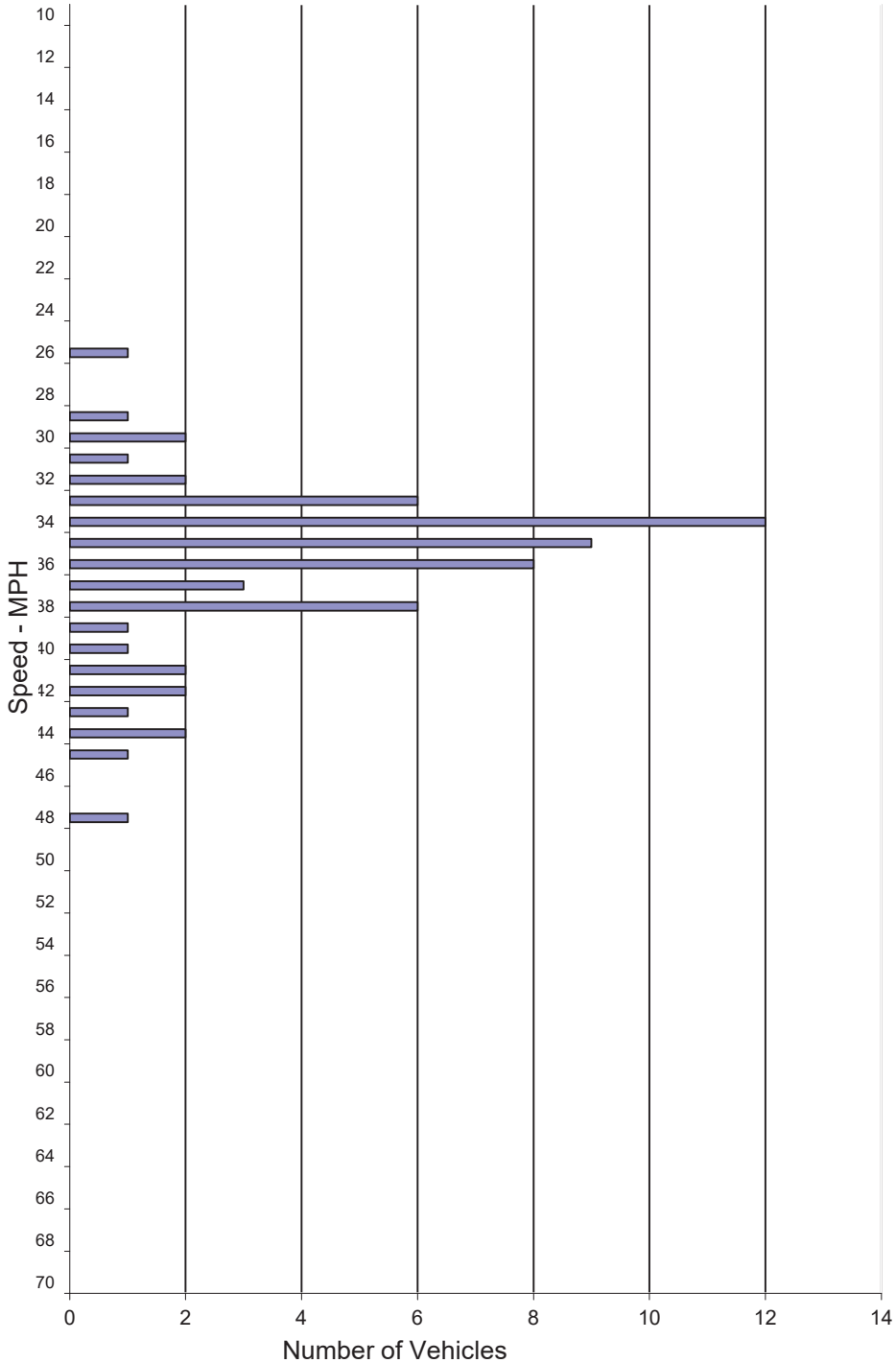
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** W San Marcos Blvd/CR S12 E/O Johnston Ln
TIME: 15:20-15:55 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-082

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	1
27	
28	
29	1
30	2
31	1
32	2
33	6
34	12
35	9
36	8
37	3
38	6
39	1
40	1
41	2
42	2
43	1
44	2
45	1
46	
47	
48	1
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	62	26 - 48	35 mph	40 mph	29 - 38	50	81%	1% / 1	18% / 11

Spot Speed Study

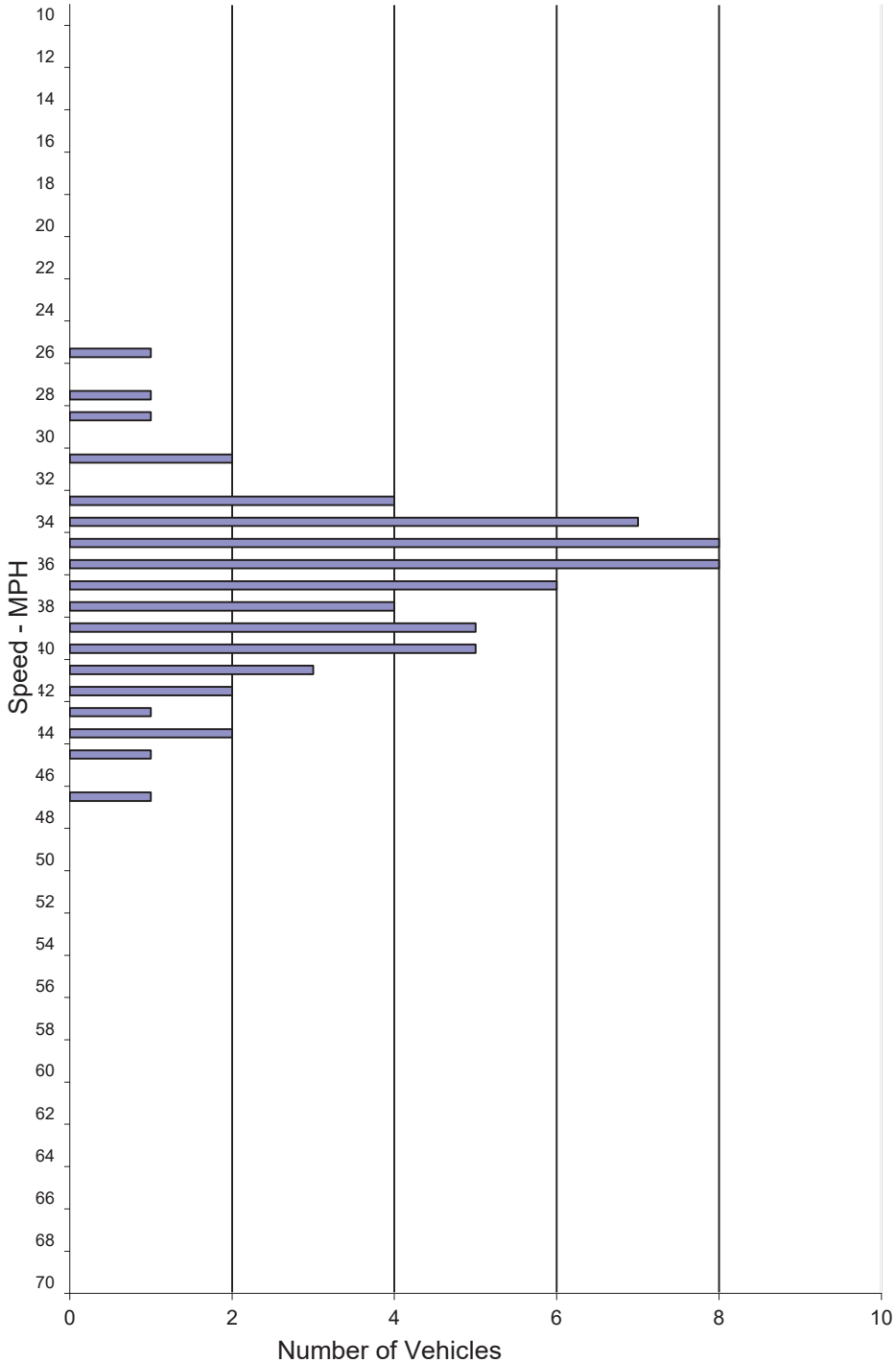
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** W San Marcos Blvd/CR S12 E/O Johnston Ln
TIME: 15:20-15:55 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-082

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	1
27	
28	1
29	1
30	
31	2
32	
33	4
34	7
35	8
36	8
37	6
38	4
39	5
40	5
41	3
42	2
43	1
44	2
45	1
46	
47	1
48	
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54	
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62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	62	26 - 47	36 mph	41 mph	33 - 42	52	84%	8% / 5	9% / 5

Spot Speed Study

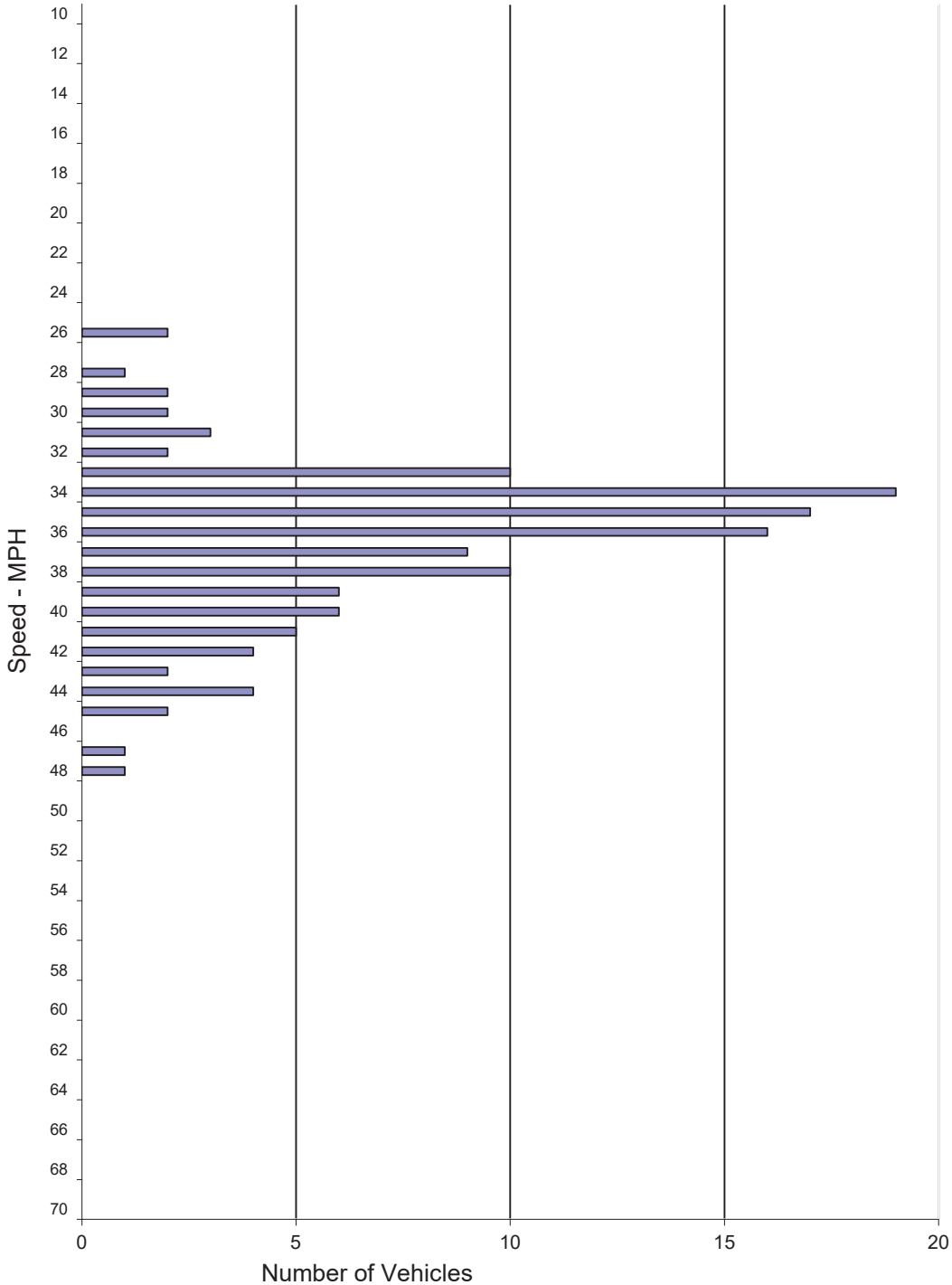
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/31/2023 **Location:** W San Marcos Blvd/CR S12 E/O Johnston Ln
TIME: 15:20-15:55 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-082

Eastbound & Westbound Spot Speeds

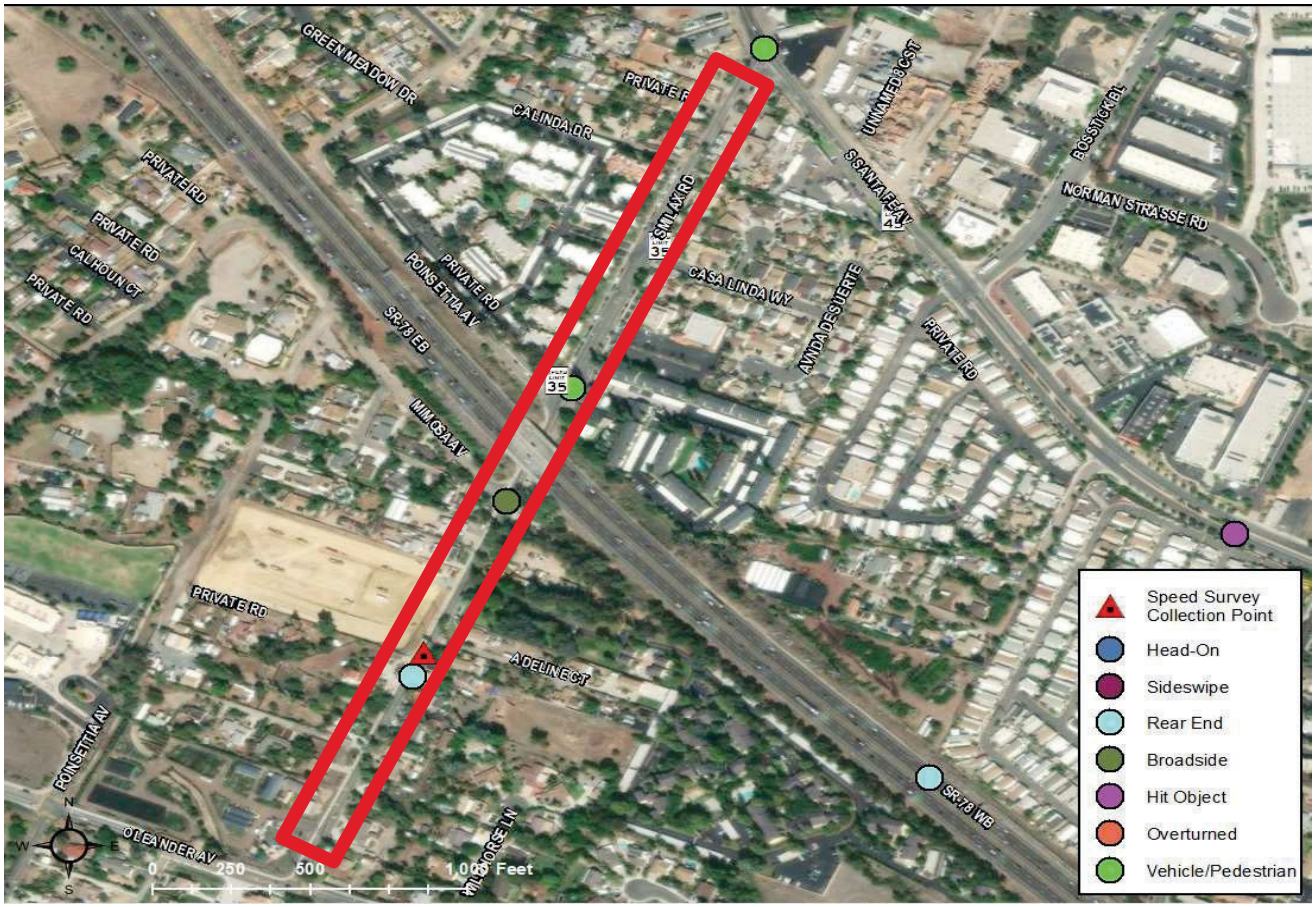
Speed mph	ALL Vehicles
<=10	
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14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	2
27	
28	1
29	2
30	2
31	3
32	2
33	10
34	19
35	17
36	16
37	9
38	10
39	6
40	6
41	5
42	4
43	2
44	4
45	2
46	
47	1
48	1
49	
50	
51	
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61	
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63	
64	
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66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	124	26 - 48	36 mph	41 mph	33 - 42	102	82%	9% / 12	9% / 10

Roadway	Smilax Road		
Segment	S. Santa Fe Ave to Oleander Ave		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	Class III	85th Percentile Speed	34
Roadway Width (feet)	64	Recommended Speed Limit	30
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	2.47/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

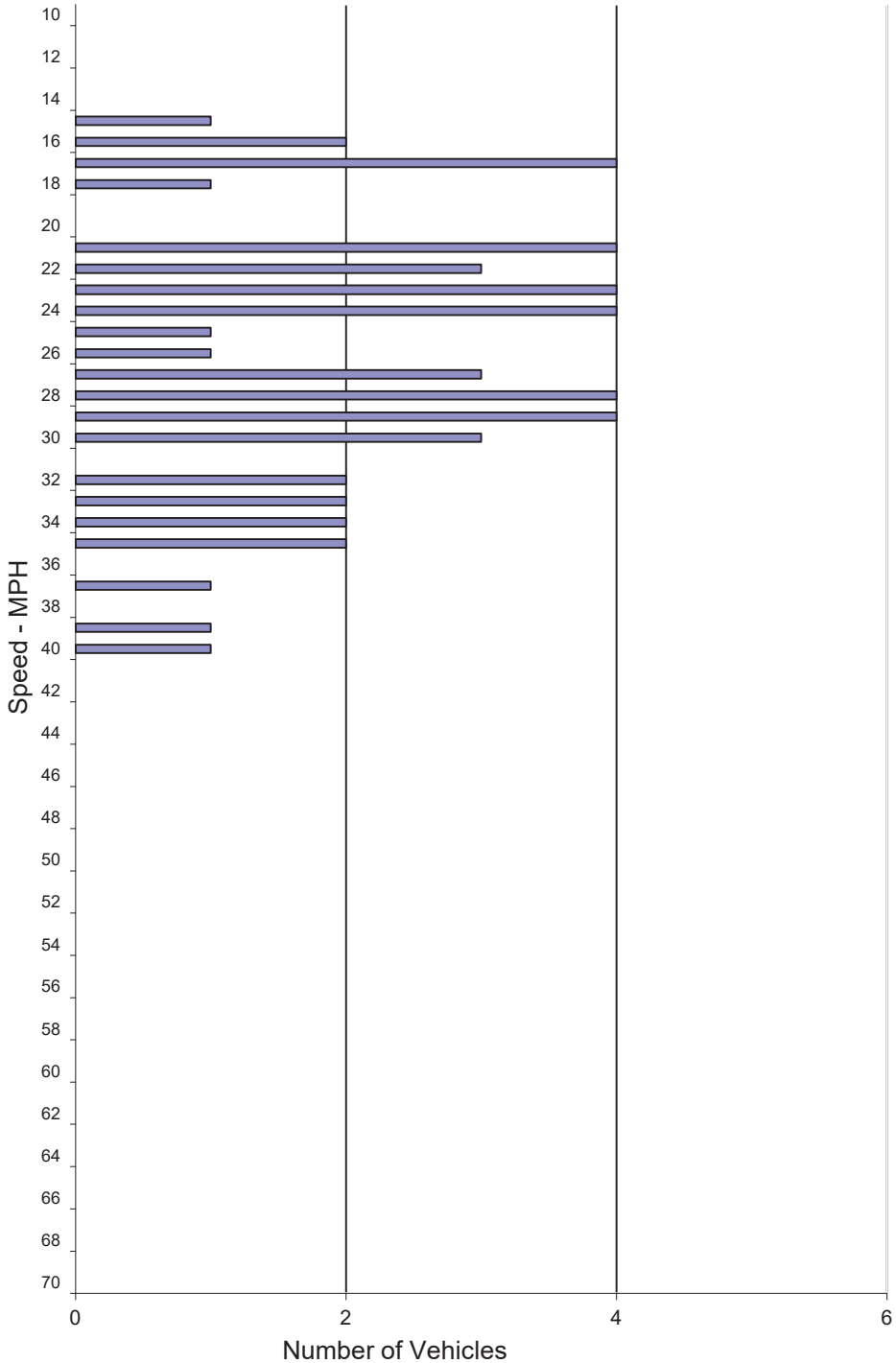
Prepared by: National Data & Surveying Services

City of Vista

DATE: 1/17/2023 **Location:** Smilax Rd S/O Adeline Ct
TIME: 14:08-14:25 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-057

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	1
16	2
17	4
18	1
19	
20	
21	4
22	3
23	4
24	4
25	1
26	1
27	3
28	4
29	4
30	3
31	
32	2
33	2
34	2
35	2
36	
37	1
38	
39	1
40	1
41	
42	
43	
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47	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	15 - 40	26 mph	33 mph	21 - 30	31	62%	16% / 8	22% / 11

Spot Speed Study

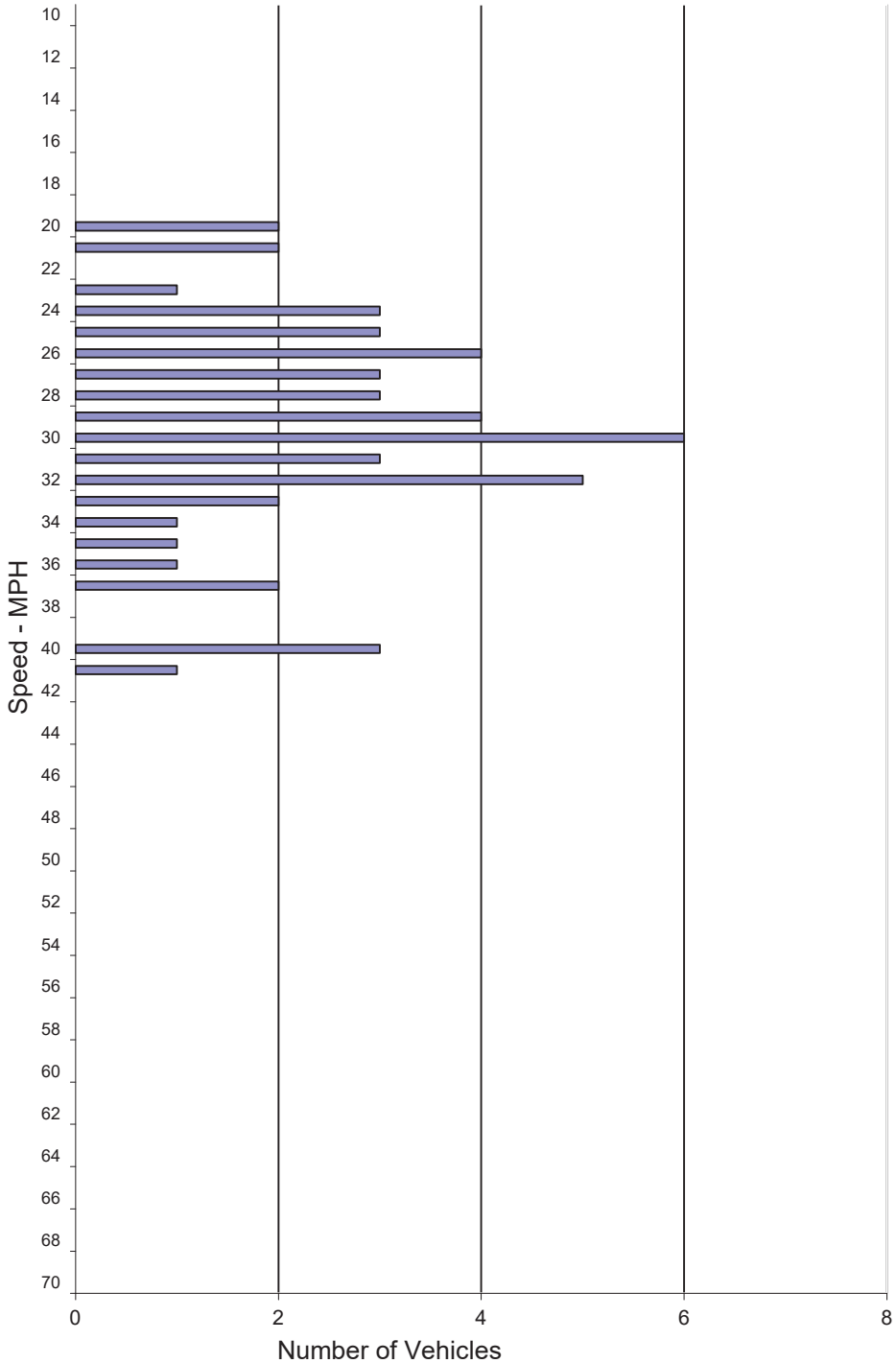
Prepared by: National Data & Surveying Services

City of Vista

DATE: 1/17/2023 **Location:** Smilax Rd S/O Adeline Ct
TIME: 14:08-14:25 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-057

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	2
21	2
22	
23	1
24	3
25	3
26	4
27	3
28	3
29	4
30	6
31	3
32	5
33	2
34	1
35	1
36	1
37	2
38	
39	
40	3
41	1
42	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	20 - 41	29 mph	35 mph	24 - 33	36	72%	10% / 5	18% / 9

Spot Speed Study

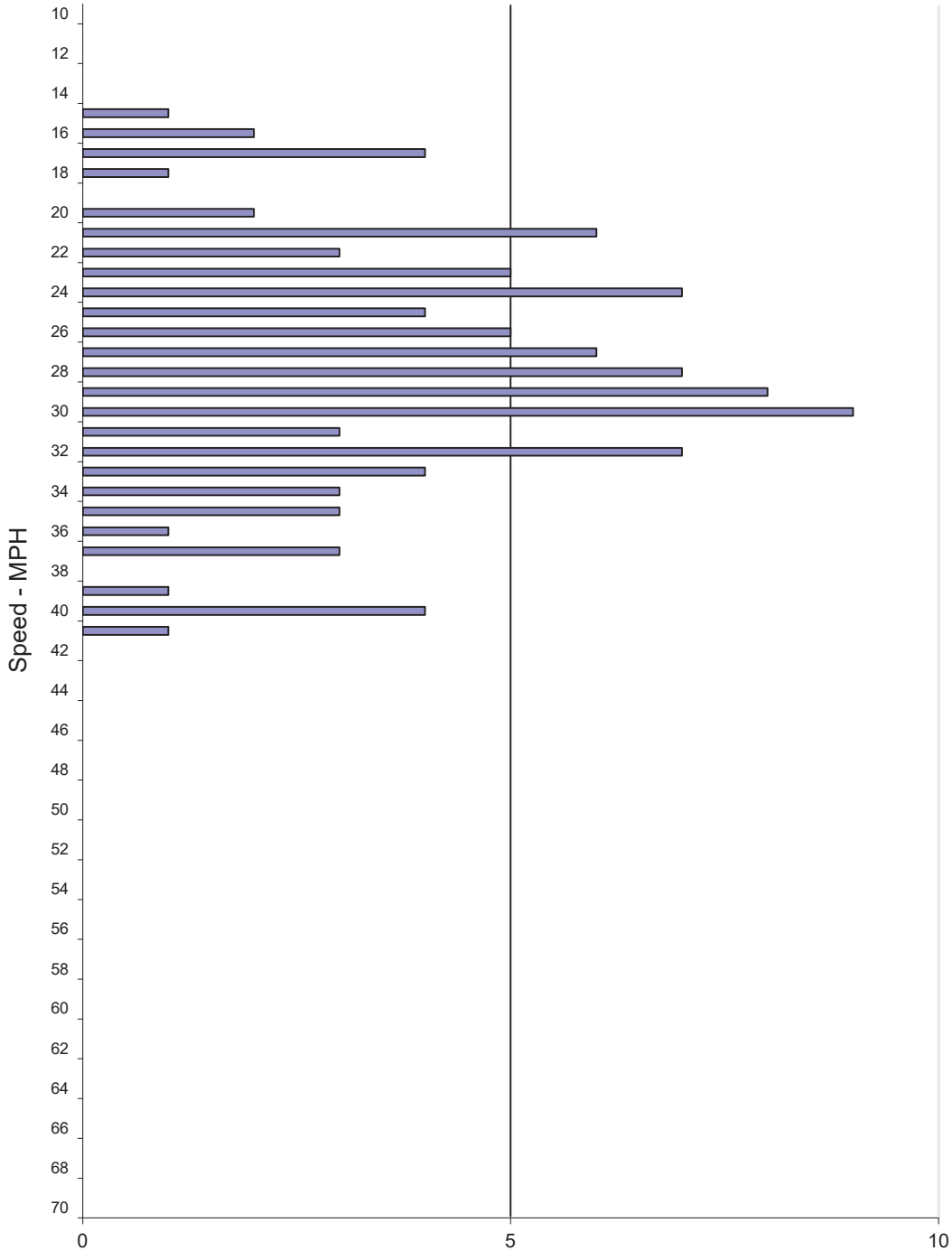
Prepared by: National Data & Surveying Services

City of Vista

DATE: 1/17/2023 **Location:** Smilax Rd S/O Adeline Ct
TIME: 14:08-14:25 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-057

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	1
16	2
17	4
18	1
19	
20	2
21	6
22	3
23	5
24	7
25	4
26	5
27	6
28	7
29	8
30	9
31	3
32	7
33	4
34	3
35	3
36	1
37	3
38	
39	1
40	4
41	1
42	
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44	
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63	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	15 - 41	28 mph	34 mph	23 - 32	61	61%	19% / 19	20% / 20

Roadway	South Santa Fe Avenue		
Segment	Smilax Rd to Rancho Santa Fe Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	49
Roadway Width (feet)	78	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.49/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

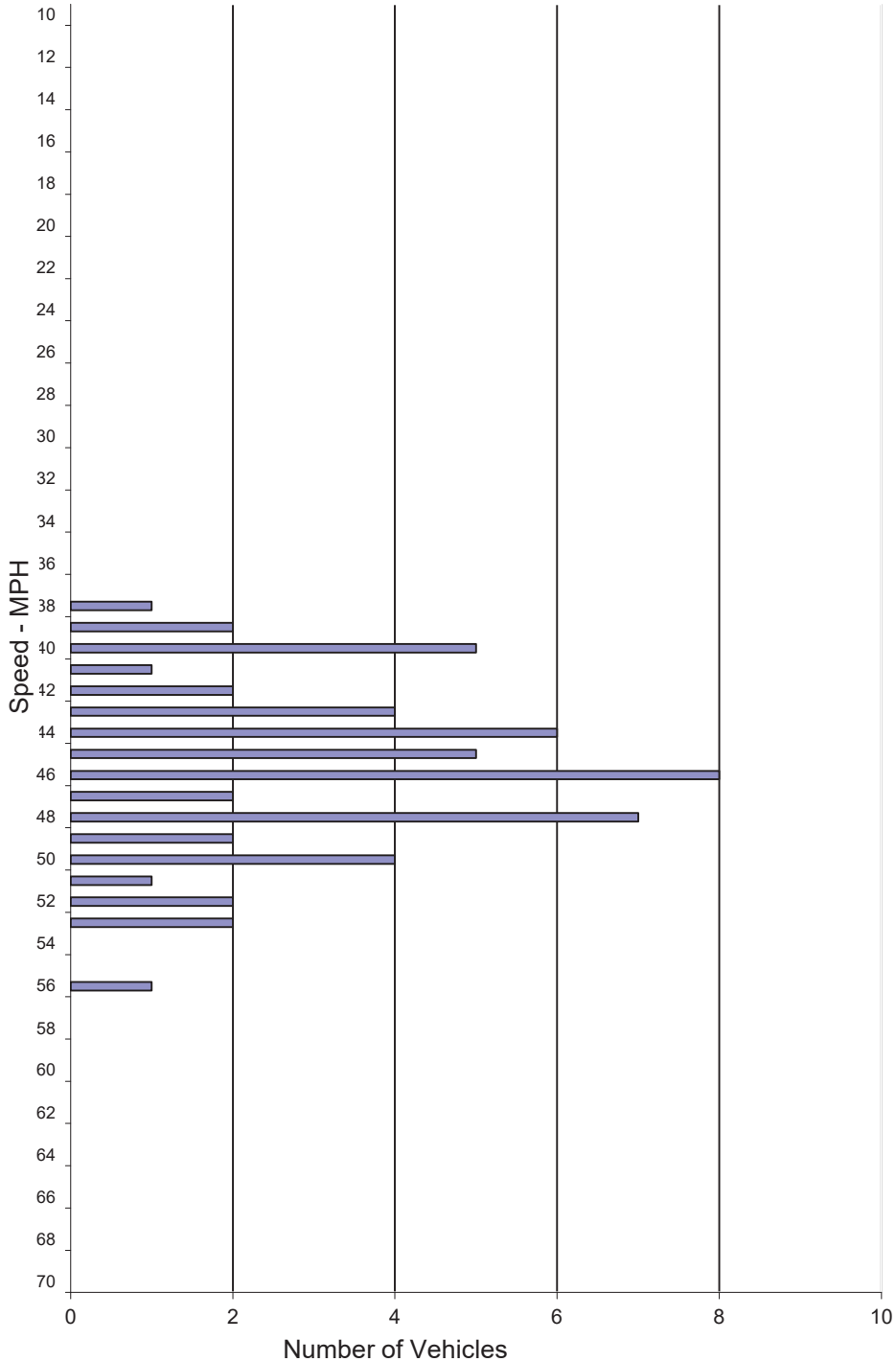
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** S Santa Fe Ave/W Mission Rd S Santa Fe Ave/W Mission Rd
TIME: 09:00-09:40 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-047

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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32	
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34	
35	
36	
37	
38	1
39	2
40	5
41	1
42	2
43	4
44	6
45	5
46	8
47	2
48	7
49	2
50	4
51	1
52	2
53	2
54	
55	
56	1
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	38 - 56	46 mph	50 mph	39 - 48	42	76%	1% / 1	22% / 12

Spot Speed Study

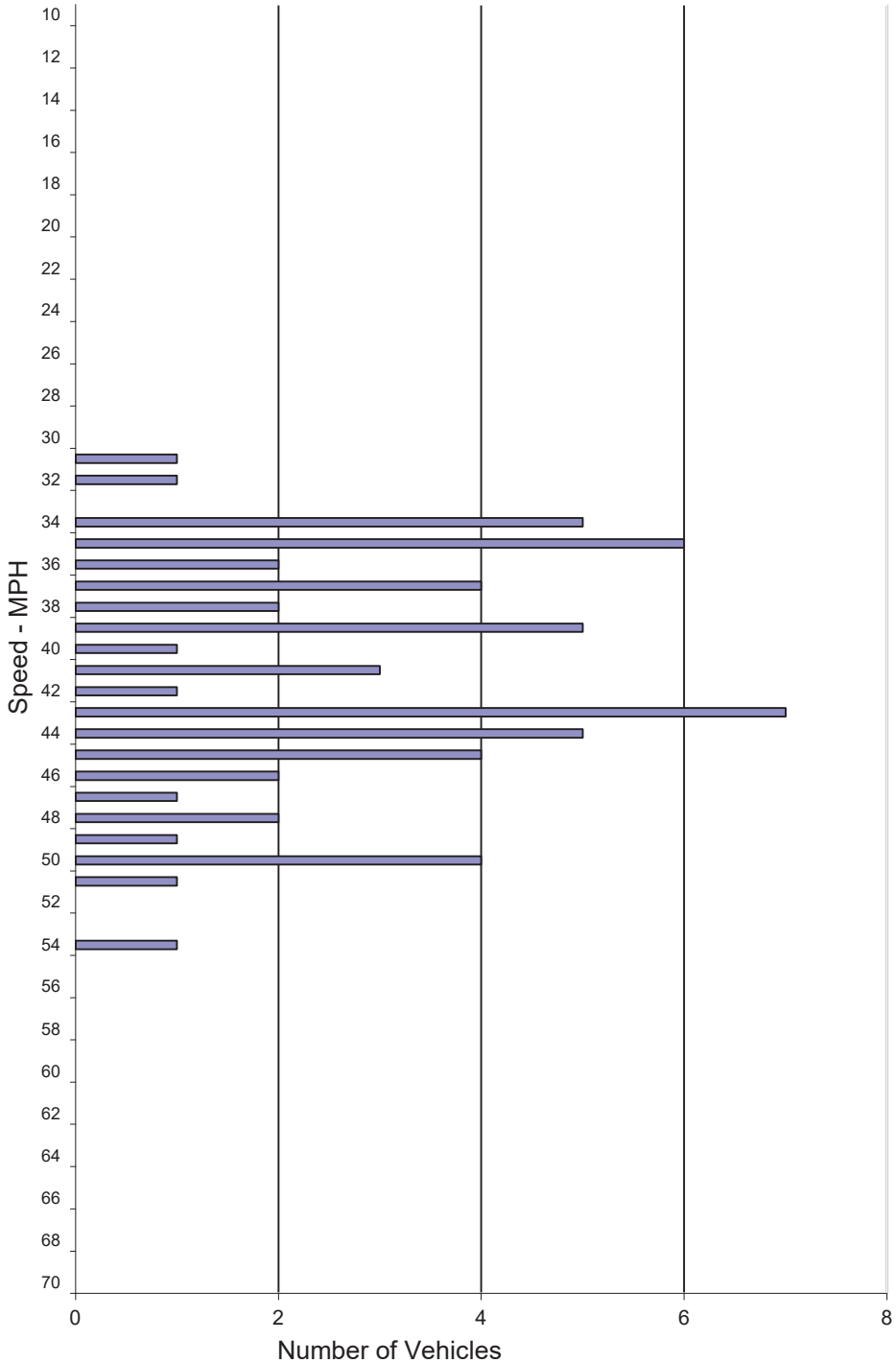
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** S Santa Fe Ave/W Mission Rd S Santa Fe Ave/W Mission Rd
TIME: 09:00-09:40 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-047

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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29	
30	
31	1
32	1
33	
34	5
35	6
36	2
37	4
38	2
39	5
40	1
41	3
42	1
43	7
44	5
45	4
46	2
47	1
48	2
49	1
50	4
51	1
52	
53	
54	1
55	
56	
57	
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59	
60	
61	
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63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	59	31 - 54	41 mph	48 mph	34 - 43	36	61%	3% / 2	36% / 21

Spot Speed Study

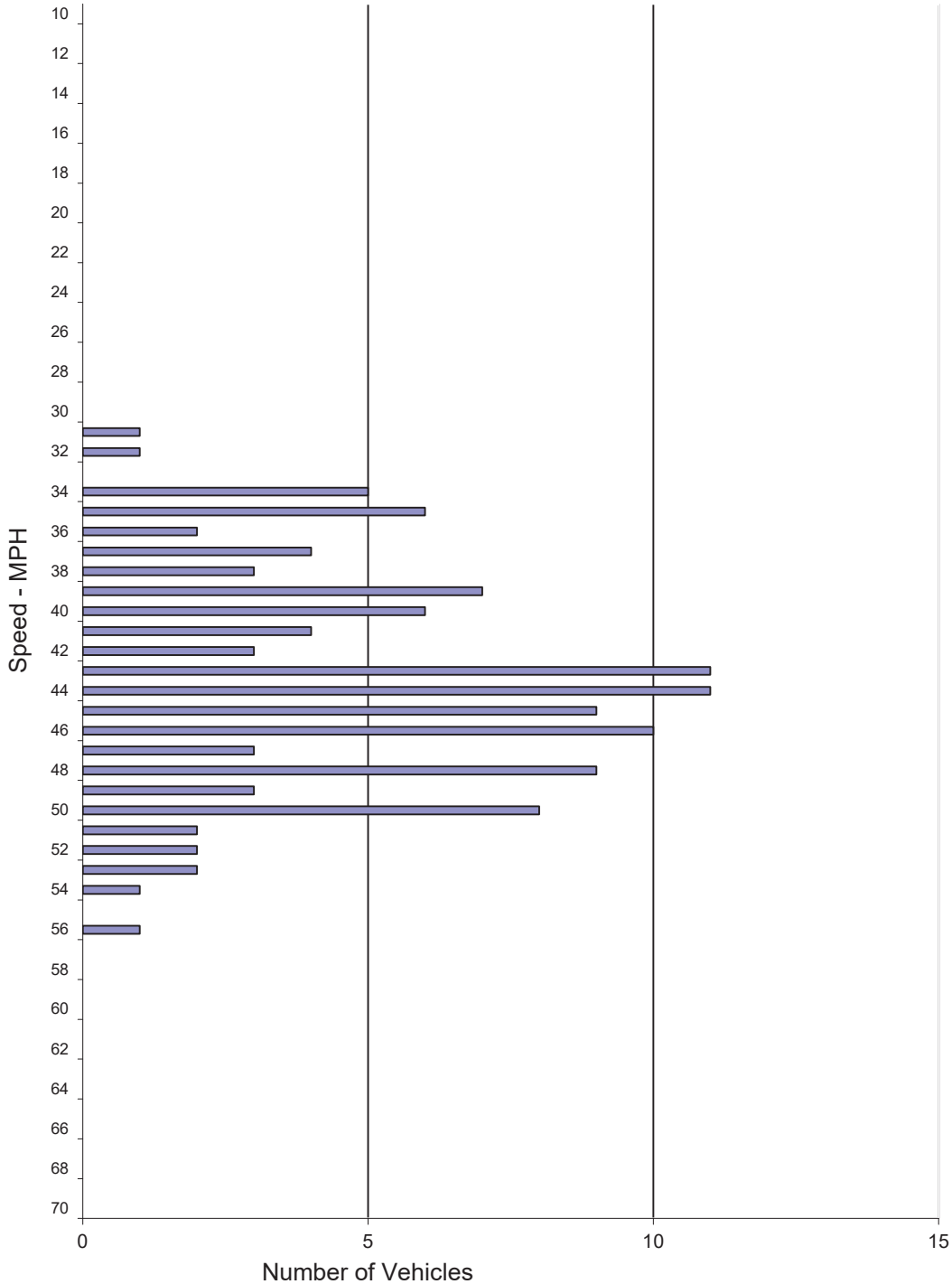
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 2/1/2023 **Location:** S Santa Fe Ave/W Mission Rd S Santa Fe Ave/W Mission Rd
TIME: 09:00-09:40 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-047

Northbound & Southbound Spot Speeds

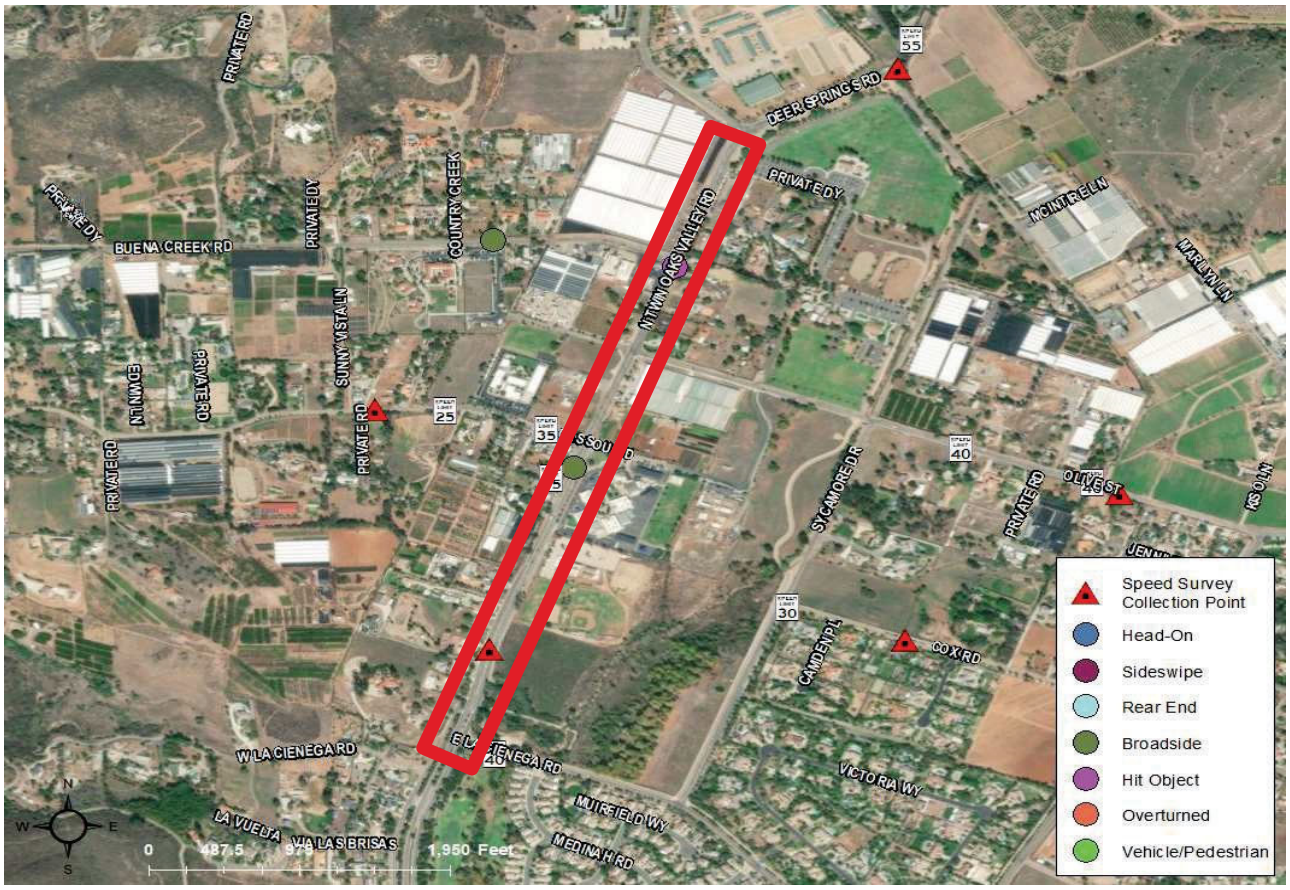
Speed mph	ALL Vehicles
<=10	
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25	
26	
27	
28	
29	
30	
31	1
32	1
33	
34	5
35	6
36	2
37	4
38	3
39	7
40	6
41	4
42	3
43	11
44	11
45	9
46	10
47	3
48	9
49	3
50	8
51	2
52	2
53	2
54	1
55	
56	1
57	
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59	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	114	31 - 56	44 mph	49 mph	39 - 48	73	64%	19% / 22	17% / 19

Roadway	Twin Oaks Valley Road		
Segment	Deer Springs Rd to La Cienega Rd		
Pedestrian Facilities	Intermittent	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	49
Roadway Width (feet)	45	Recommended Speed Limit	45
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.62/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

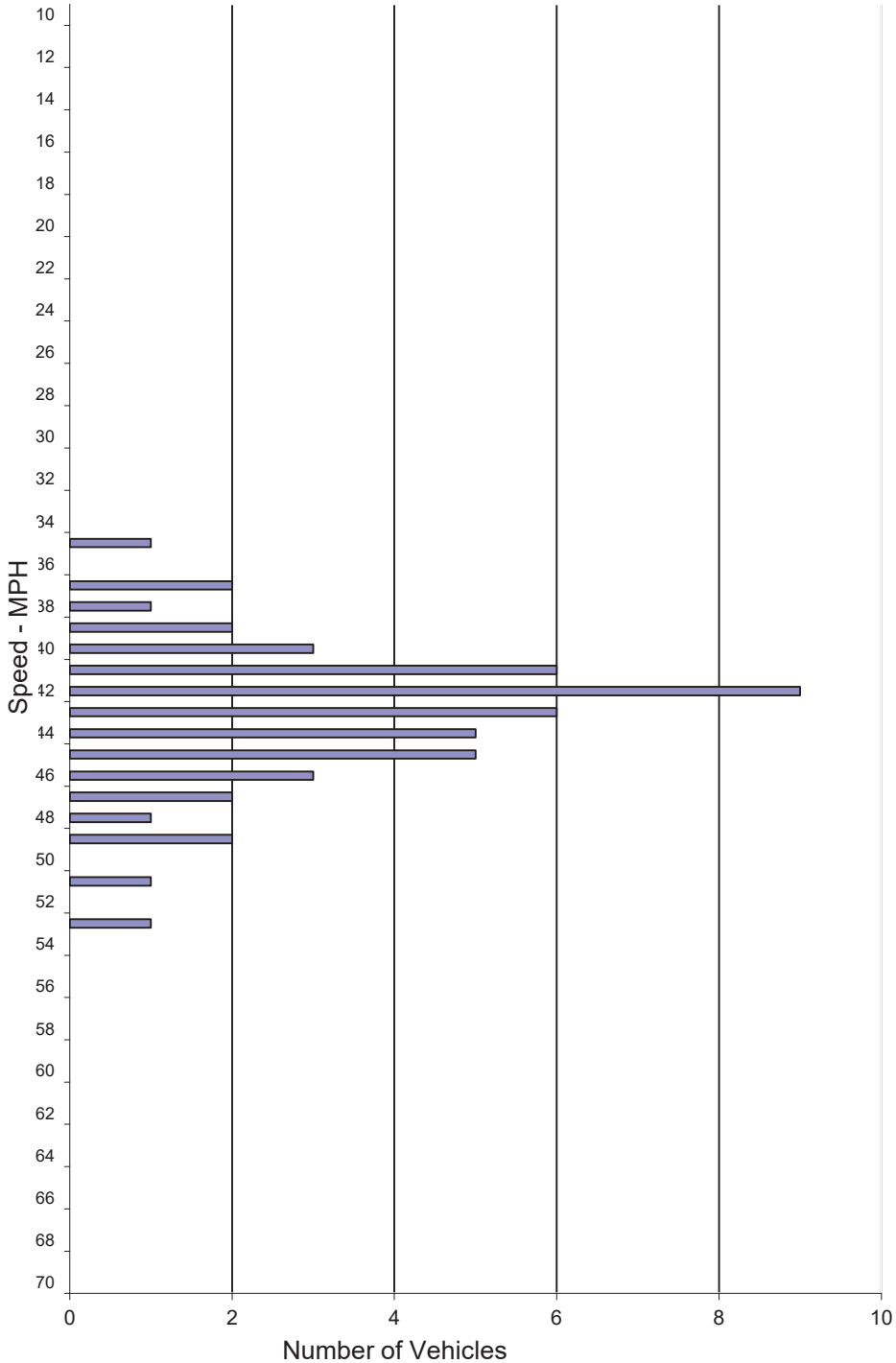
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/26/2023 **Location:** N Twin Oaks Valley Rd/CR S12 N/O E La Cienega Rd
TIME: 15:13-15:36 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-053

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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34	
35	1
36	
37	2
38	1
39	2
40	3
41	6
42	9
43	6
44	5
45	5
46	3
47	2
48	1
49	2
50	
51	1
52	
53	1
54	
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62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	35 - 53	43 mph	46 mph	37 - 46	42	84%	2% / 1	14% / 7

Spot Speed Study

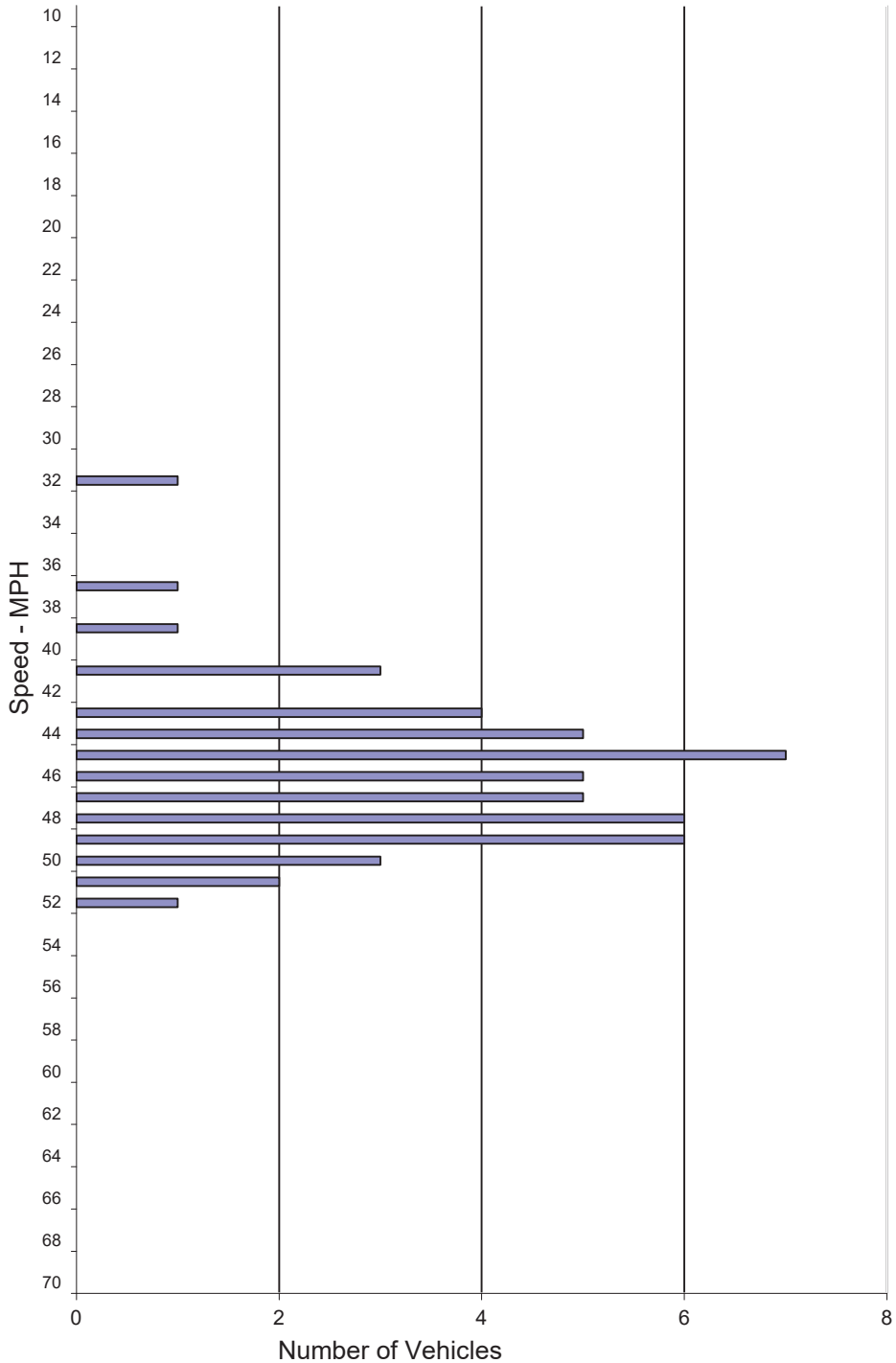
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/26/2023 **Location:** N Twin Oaks Valley Rd/CR S12 N/O E La Cienega Rd
TIME: 15:13-15:36 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-053

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
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32	1
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36	
37	1
38	
39	1
40	
41	3
42	
43	4
44	5
45	7
46	5
47	5
48	6
49	6
50	3
51	2
52	1
53	
54	
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67	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	32 - 52	46 mph	49 mph	41 - 50	44	88%	6% / 3	6% / 3

Spot Speed Study

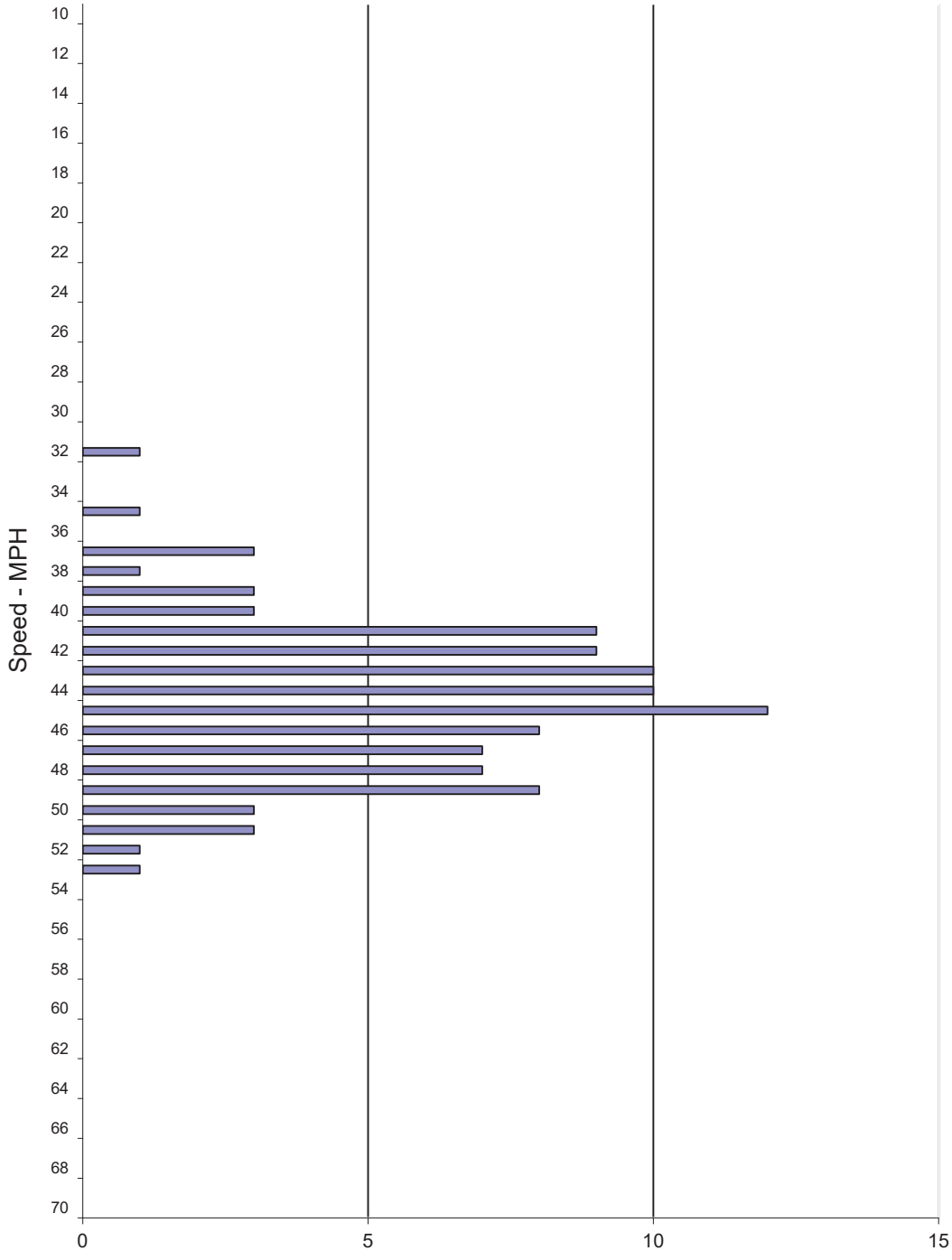
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/26/2023 **Location:** N Twin Oaks Valley Rd/CR S12 N/O E La Cienega Rd
TIME: 15:13-15:36 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-053

Northbound & Southbound Spot Speeds

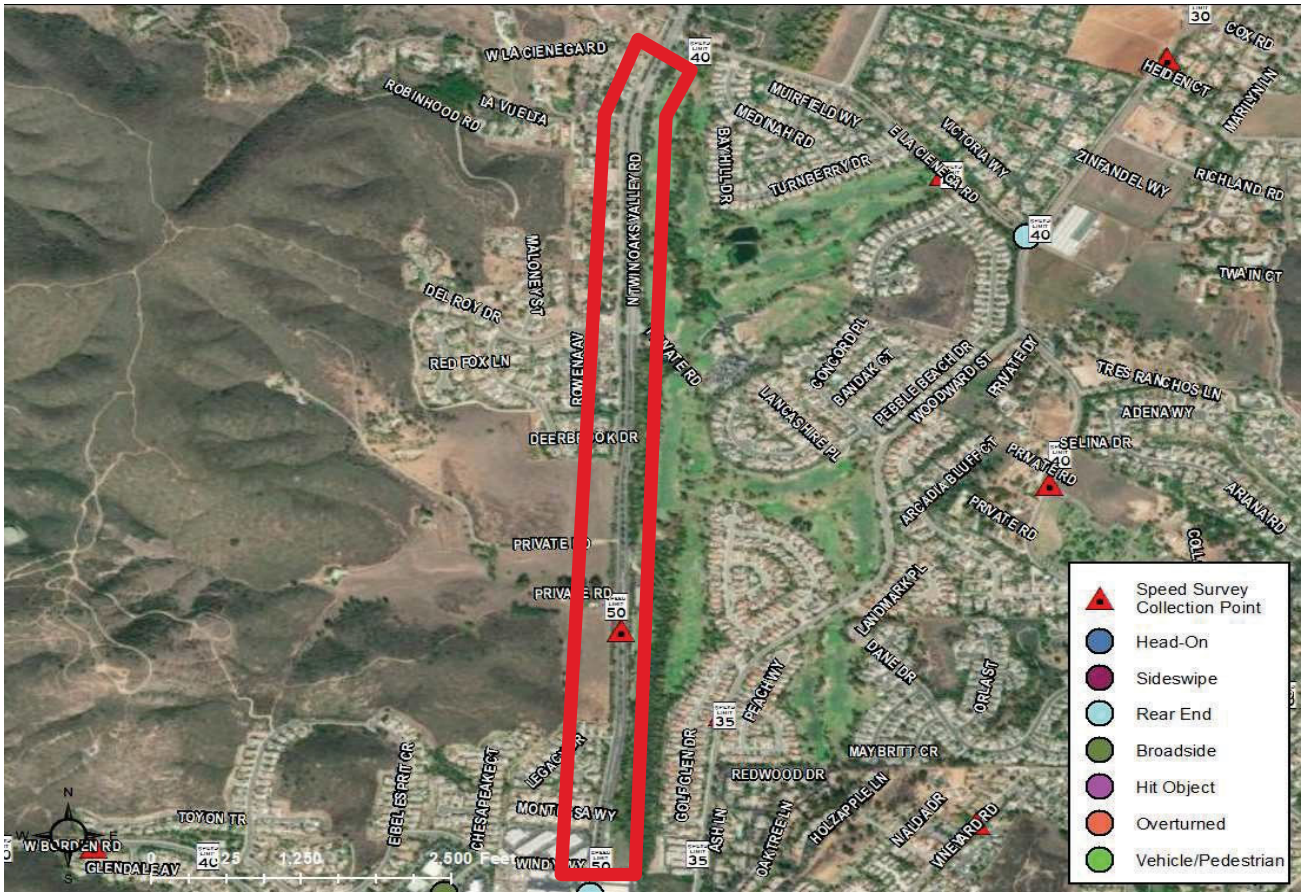
Speed mph	ALL Vehicles
<=10	
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27	
28	
29	
30	
31	
32	1
33	
34	
35	1
36	
37	3
38	1
39	3
40	3
41	9
42	9
43	10
44	10
45	12
46	8
47	7
48	7
49	8
50	3
51	3
52	1
53	1
54	
55	
56	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	32 - 53	44 mph	49 mph	40 - 49	83	83%	9% / 9	8% / 8

Roadway	Twin Oaks Valley Road		
Segment	La Cienega Rd to Windy Wy		
Pedestrian Facilities	Yes	Posted Speed Limit	50
Bicycle Facilities	Class II	85th Percentile Speed	54
Roadway Width (feet)	84	Recommended Speed Limit	50
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.27/0.96
Median	Raised	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Twin Oaks Valley Rd **Segment:** La Cienega Rd to Windy Wy

Date/Time: 5/14/2024 12:45 PM - 1:50 PM **Direction:** North-South

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
	X	1%	100%
60	X X X	3%	99%
	X	1%	96%
	X X X	3%	95%
	X	1%	92%
	X	1%	91%
55	X X X X X	5%	90%
	X X X X X X X	7%	85%
	X X X X X X X X X X X	12%	78%
	X X X X X X X X X	10%	66%
	X X X X X X X	7%	56%
50	X X X X	4%	49%
	X X X X X	5%	45%
	X X	2%	40%
	X X X X X X X X X X X X X X X X	17%	38%
	X X X X	4%	21%
45	X X X X	4%	17%
	X	1%	13%
	X X X X	4%	12%
	X X X	3%	8%
	X	1%	5%
40	X	1%	4%
	X X	2%	3%
	X	1%	1%
35			
30			
25			
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	51 mph	54 mph	46-55 mph	73	73%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Twin Oaks Valley Rd **Segment:** La Cienega Rd to Windy Wy

Date/Time: 5/14/2024 12:45 PM - 1:50 PM **Direction:** North

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60	X	2%	100%
	X	2%	98%
	X	2%	96%
55	X X X X	8%	94%
	X	2%	86%
	X X X X X	10%	84%
	X X X X X X	12%	74%
	X X	4%	62%
50	X X	4%	58%
	X X	4%	54%
	X X	4%	50%
	X X X X X X X X X X	22%	46%
	X X	4%	24%
45	X X	4%	20%
	X	2%	16%
	X X X	6%	14%
	X X	4%	8%
	X	2%	4%
40	X	2%	2%
35			
30			
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	49 mph	54 mph	46-55 mph	37	74%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Twin Oaks Valley Rd **Segment:** La Cienega Rd to Windy Wy

Date/Time: 5/14/2024 12:45 PM - 1:50 PM **Direction:** South

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
	X	2%	100%
60	X X	4%	98%
	X	2%	94%
	X X	4%	92%
	X	2%	88%
55	X	2%	86%
	X X X X X X	12%	84%
	X X X X X X X	14%	72%
	X X X X	8%	58%
	X X X X X	10%	50%
50	X X	4%	40%
	X X X	6%	36%
	X X X X X X	12%	30%
	X X	4%	18%
45	X X	4%	14%
	X	2%	10%
	X	2%	8%
40			
	X X	4%	6%
	X	2%	2%
35			
30			
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	52 mph	55 mph	45-54 mph	37	74%

Roadway	Twin Oaks Valley Road		
Segment	Windy Wy to San Marcos Blvd		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	47
Roadway Width (feet)	66	Recommended Speed Limit	45
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.77/0.96
Median	Raised / Center Left Turn Lane	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

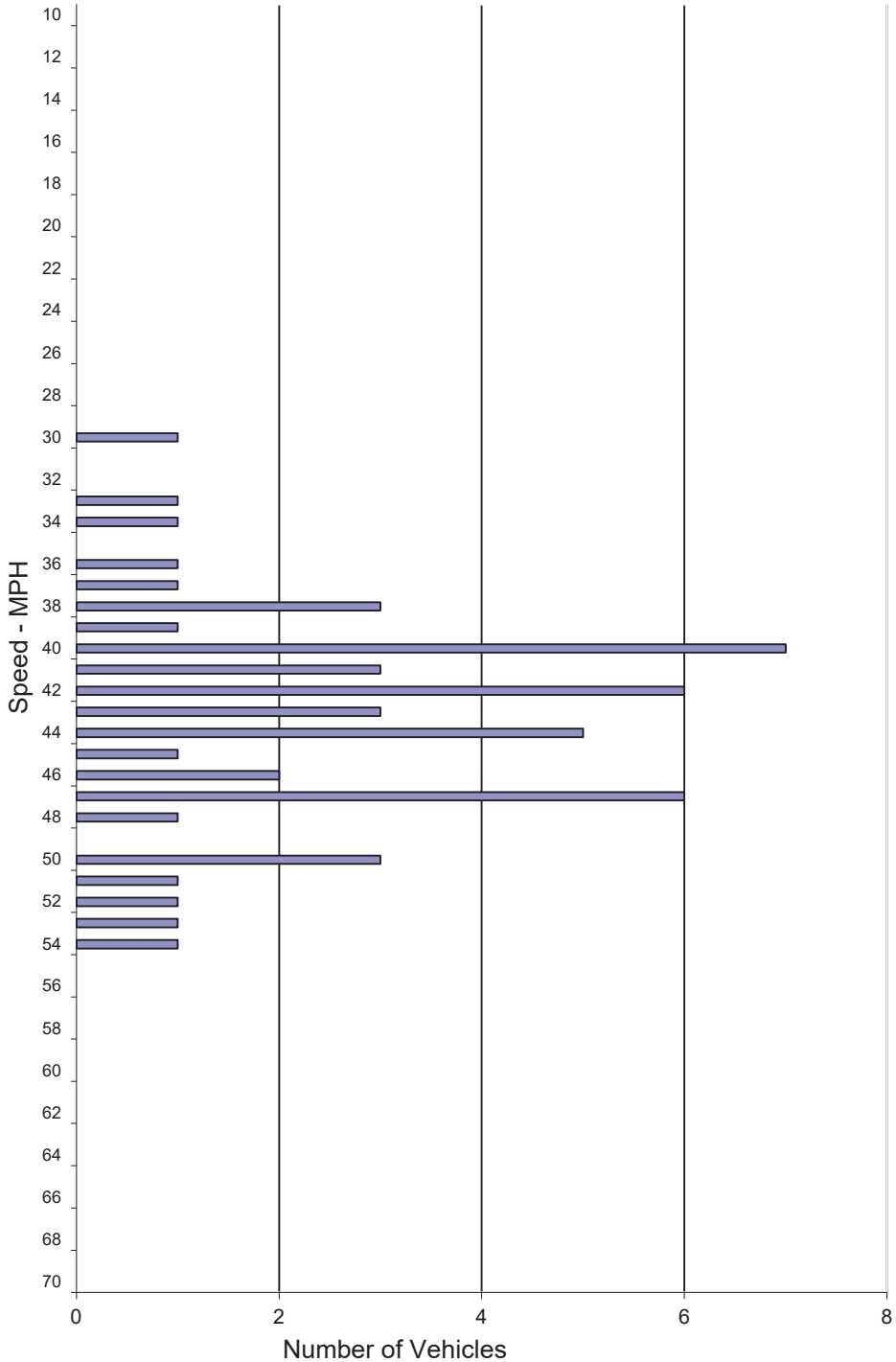
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** N Twin Oaks Valley Rd S/O Christen Way
TIME: 13:15-13:30 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-079

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
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29	
30	1
31	
32	
33	1
34	1
35	
36	1
37	1
38	3
39	1
40	7
41	3
42	6
43	3
44	5
45	1
46	2
47	6
48	1
49	
50	3
51	1
52	1
53	1
54	1
55	
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57	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	30 - 54	42 mph	48 mph	38 - 47	37	74%	10% / 5	16% / 8

Spot Speed Study

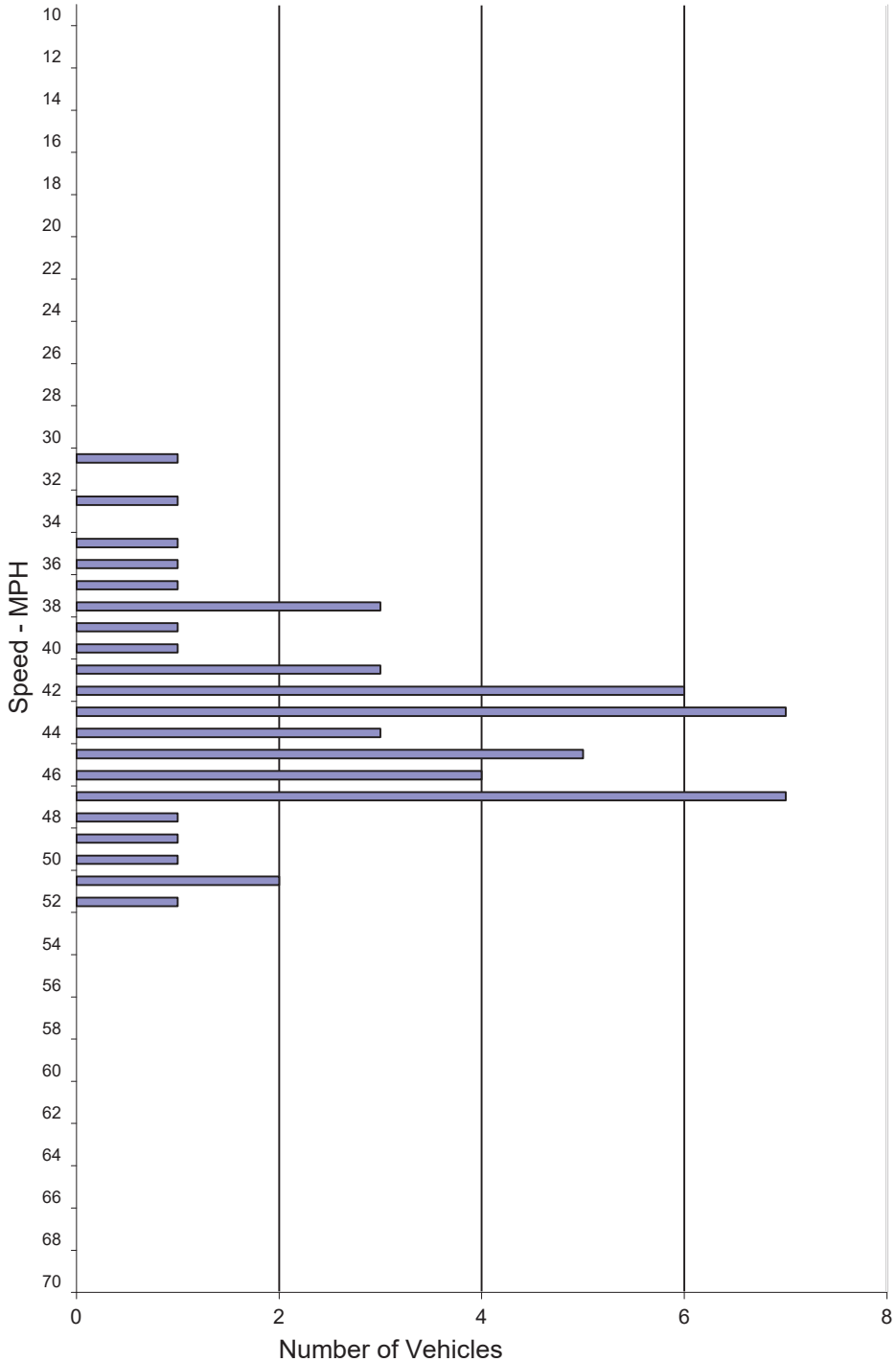
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** N Twin Oaks Valley Rd S/O Christen Way
TIME: 13:15-13:30 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-079

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
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19	
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22	
23	
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26	
27	
28	
29	
30	
31	1
32	
33	1
34	
35	1
36	1
37	1
38	3
39	1
40	1
41	3
42	6
43	7
44	3
45	5
46	4
47	7
48	1
49	1
50	1
51	2
52	1
53	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	51	31 - 52	43 mph	47 mph	38 - 47	40	78%	9% / 5	12% / 6

Spot Speed Study

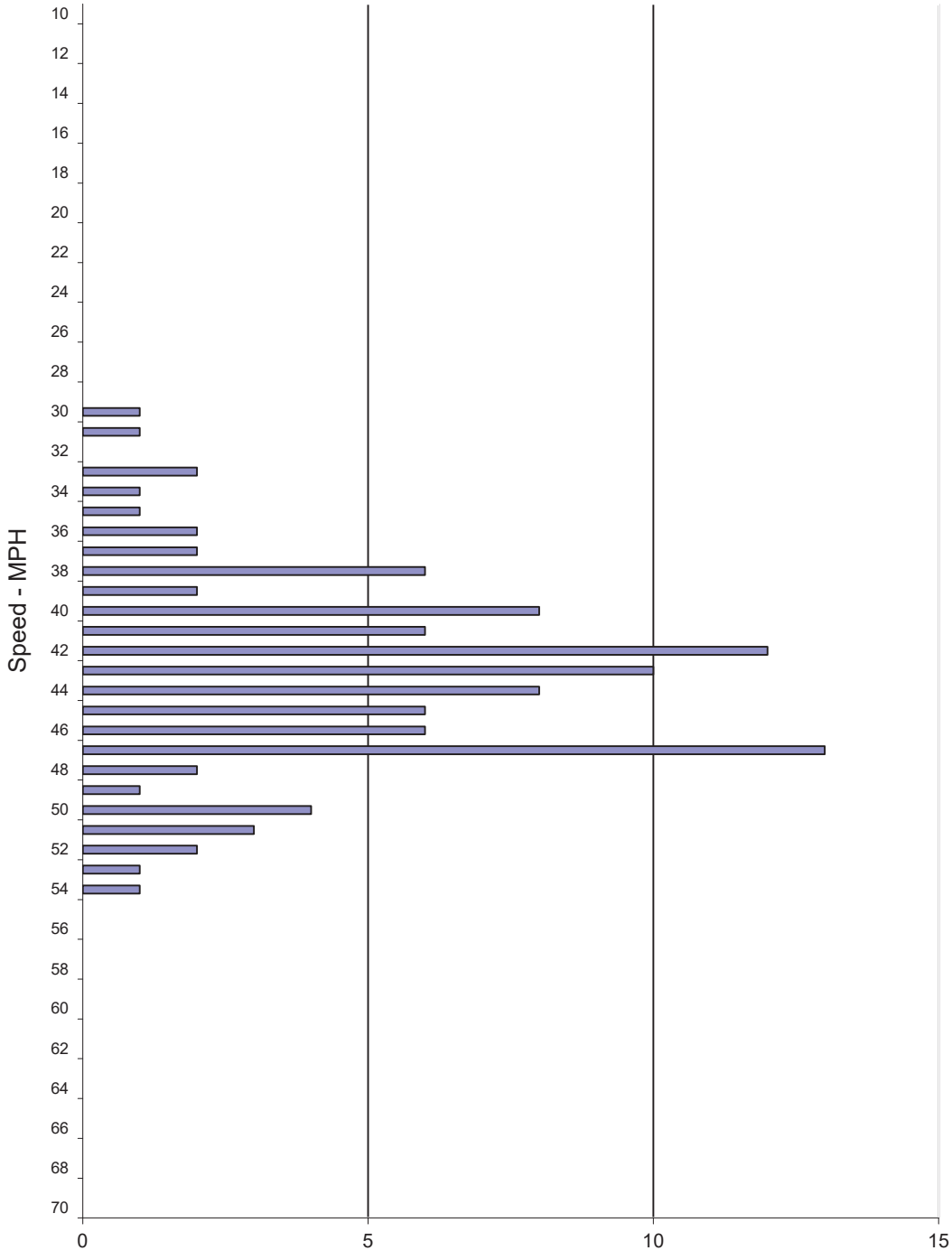
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** N Twin Oaks Valley Rd S/O Christen Way
TIME: 13:15-13:30 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-079

Northbound & Southbound Spot Speeds

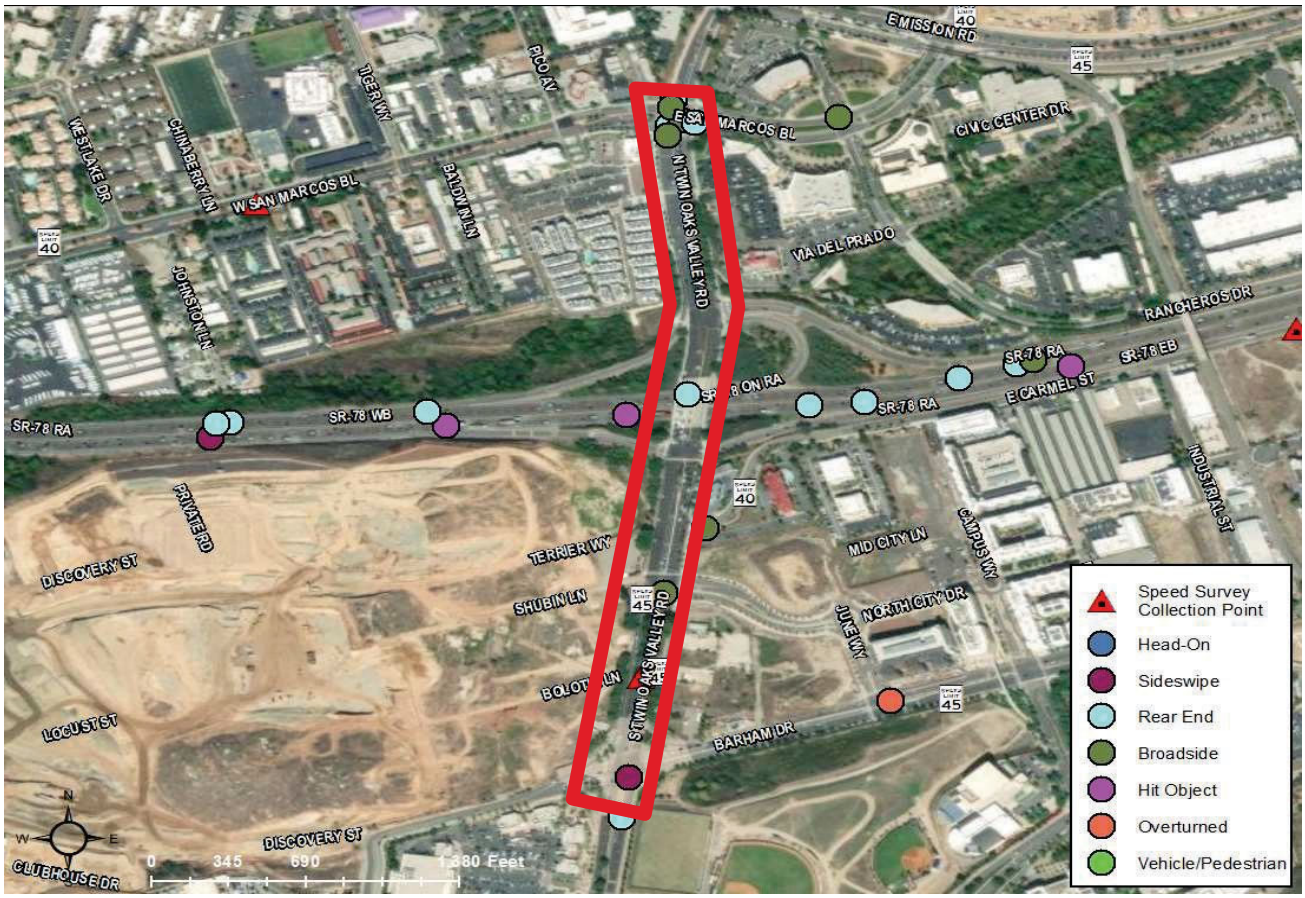
Speed mph	ALL Vehicles
<=10	
11	
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22	
23	
24	
25	
26	
27	
28	
29	
30	1
31	1
32	
33	2
34	1
35	1
36	2
37	2
38	6
39	2
40	8
41	6
42	12
43	10
44	8
45	6
46	6
47	13
48	2
49	1
50	4
51	3
52	2
53	1
54	1
55	
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62	
63	
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65	
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68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	101	30 - 54	43 mph	47 mph	38 - 47	77	76%	9% / 10	14% / 14

Roadway	Twin Oaks Valley Road		
Segment	San Marcos Blvd to Barham Dr		
Pedestrian Facilities	Intermittent	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	39
Roadway Width (feet)	104	Recommended Speed Limit	40
No. of Striped Lanes	6	Collision Rate/Statewide Collision Rate*	0.95/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

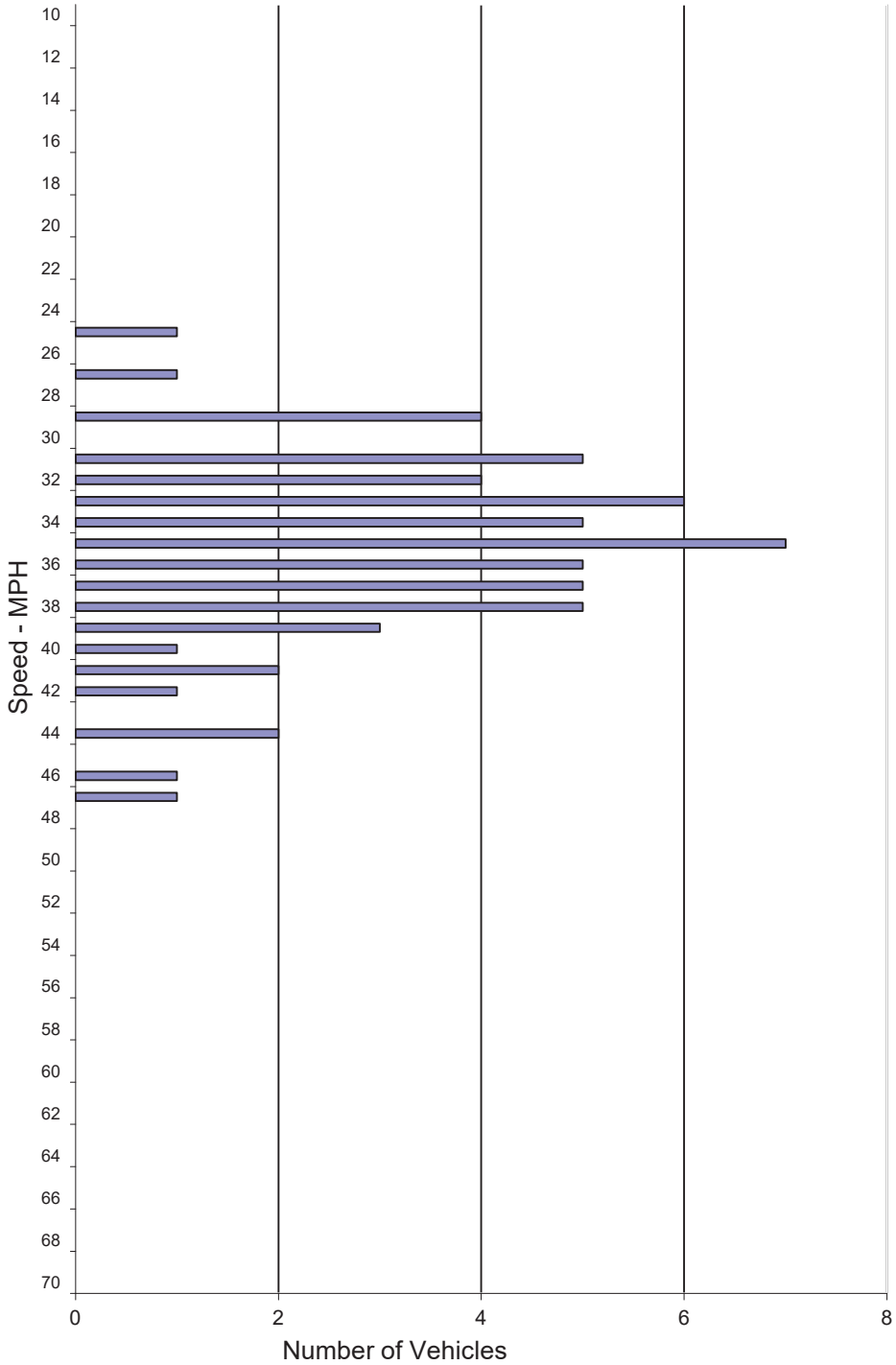
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** S Twin Oaks Valley Rd N/O E Barham Dr/Discovery St
TIME: 13:14-13:27 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-092

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	1
26	
27	1
28	
29	4
30	
31	5
32	4
33	6
34	5
35	7
36	5
37	5
38	5
39	3
40	1
41	2
42	1
43	
44	2
45	
46	1
47	1
48	
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65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	59	25 - 47	35 mph	39 mph	29 - 38	46	78%	3% / 2	19% / 11

Spot Speed Study

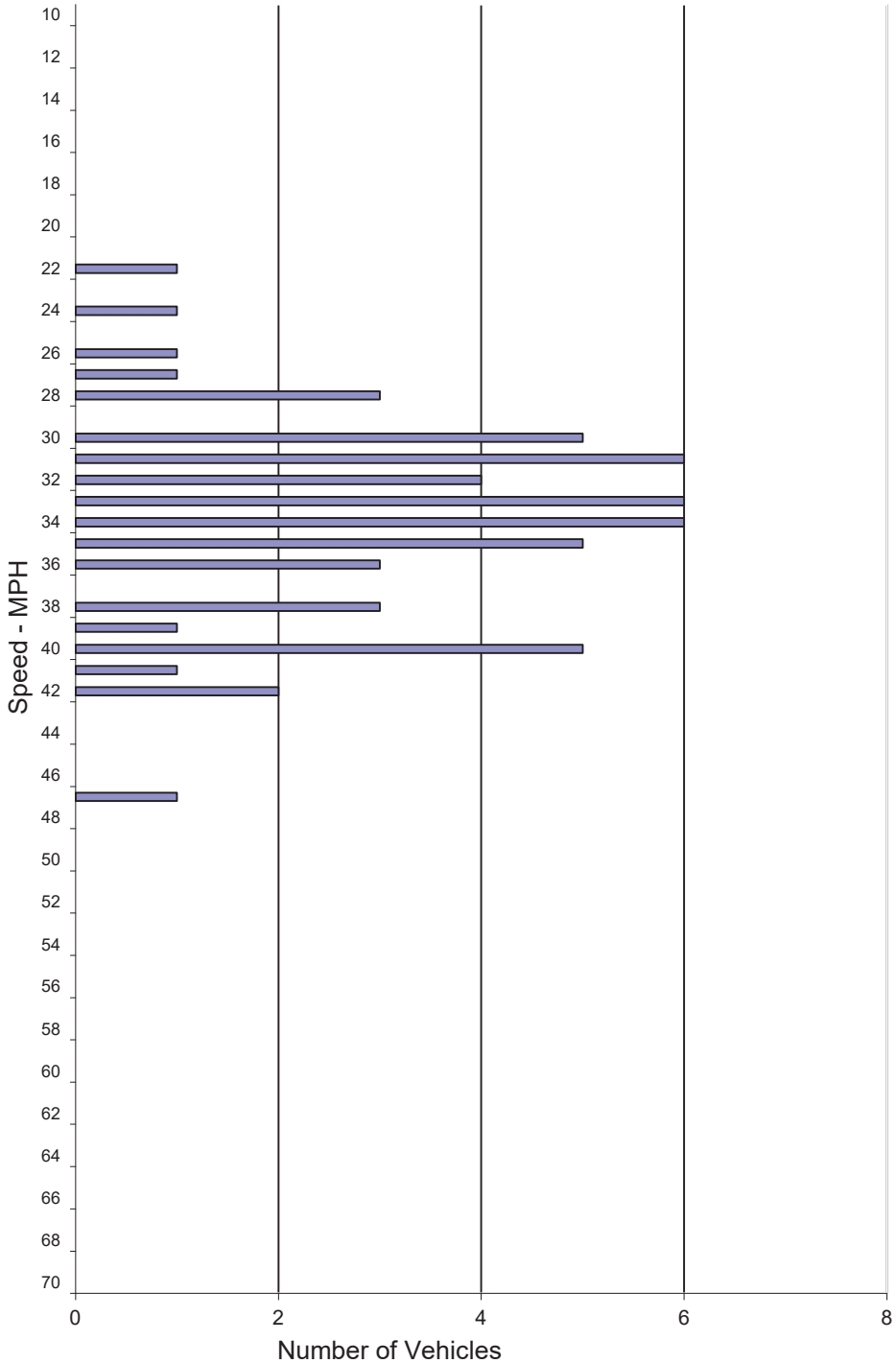
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** S Twin Oaks Valley Rd N/O E Barham Dr/Discovery St
TIME: 13:14-13:27 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-092

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	1
23	
24	1
25	
26	1
27	1
28	3
29	
30	5
31	6
32	4
33	6
34	6
35	5
36	3
37	
38	3
39	1
40	5
41	1
42	2
43	
44	
45	
46	
47	1
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50	
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52	
53	
54	
55	
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58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	22 - 47	33 mph	40 mph	27 - 36	39	71%	5% / 3	24% / 13

Spot Speed Study

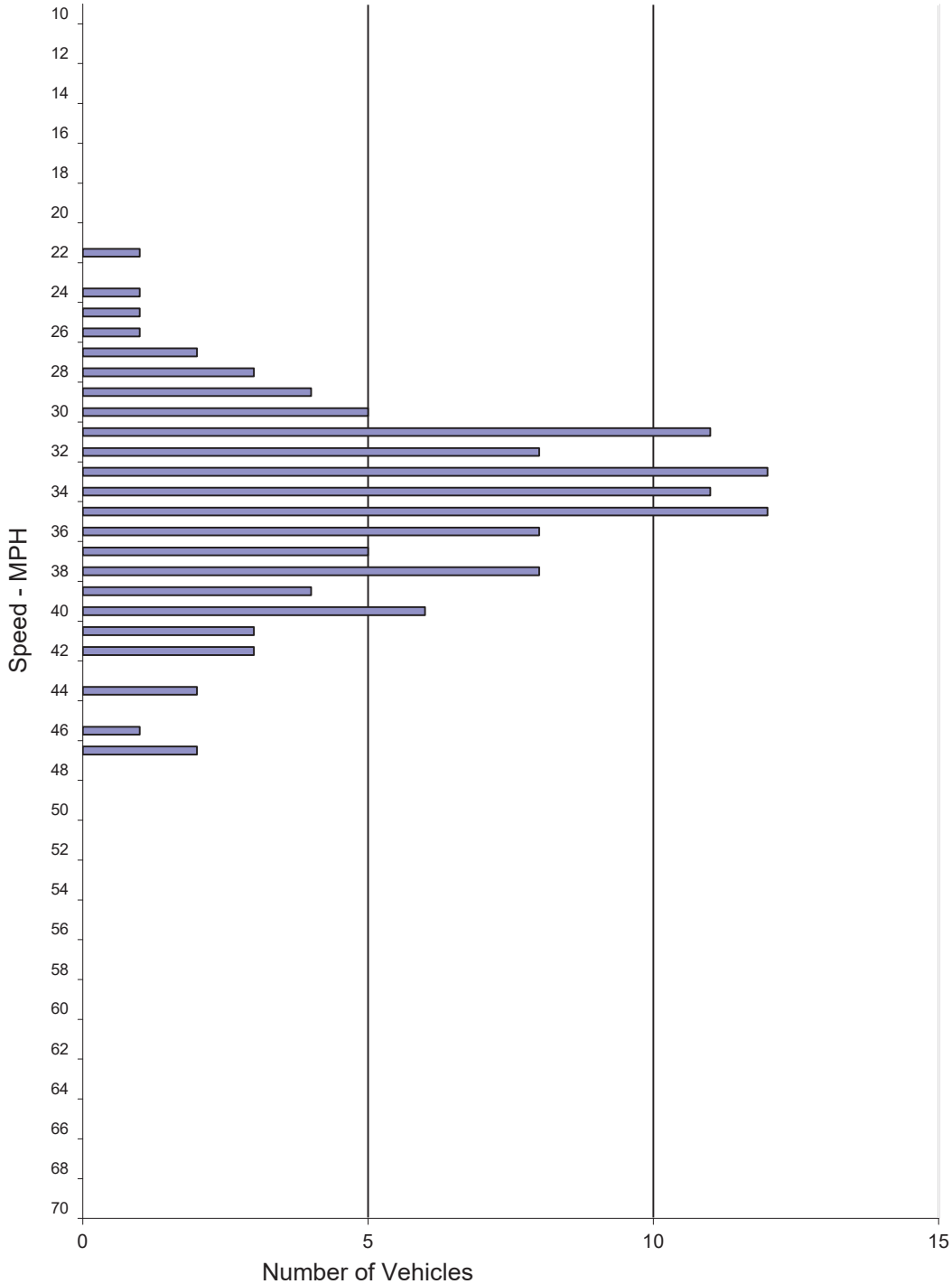
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** S Twin Oaks Valley Rd N/O E Barham Dr/Discovery St
TIME: 13:14-13:27 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-092

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	1
23	
24	1
25	1
26	1
27	2
28	3
29	4
30	5
31	11
32	8
33	12
34	11
35	12
36	8
37	5
38	8
39	4
40	6
41	3
42	3
43	
44	2
45	
46	1
47	2
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	114	22 - 47	34 mph	39 mph	31 - 40	85	75%	15% / 18	10% / 11

Roadway	Twin Oaks Valley Road		
Segment	Barham Dr to Craven Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	40
Roadway Width (feet)	98	Recommended Speed Limit	40
No. of Striped Lanes	6	Collision Rate/Statewide Collision Rate*	1.1/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

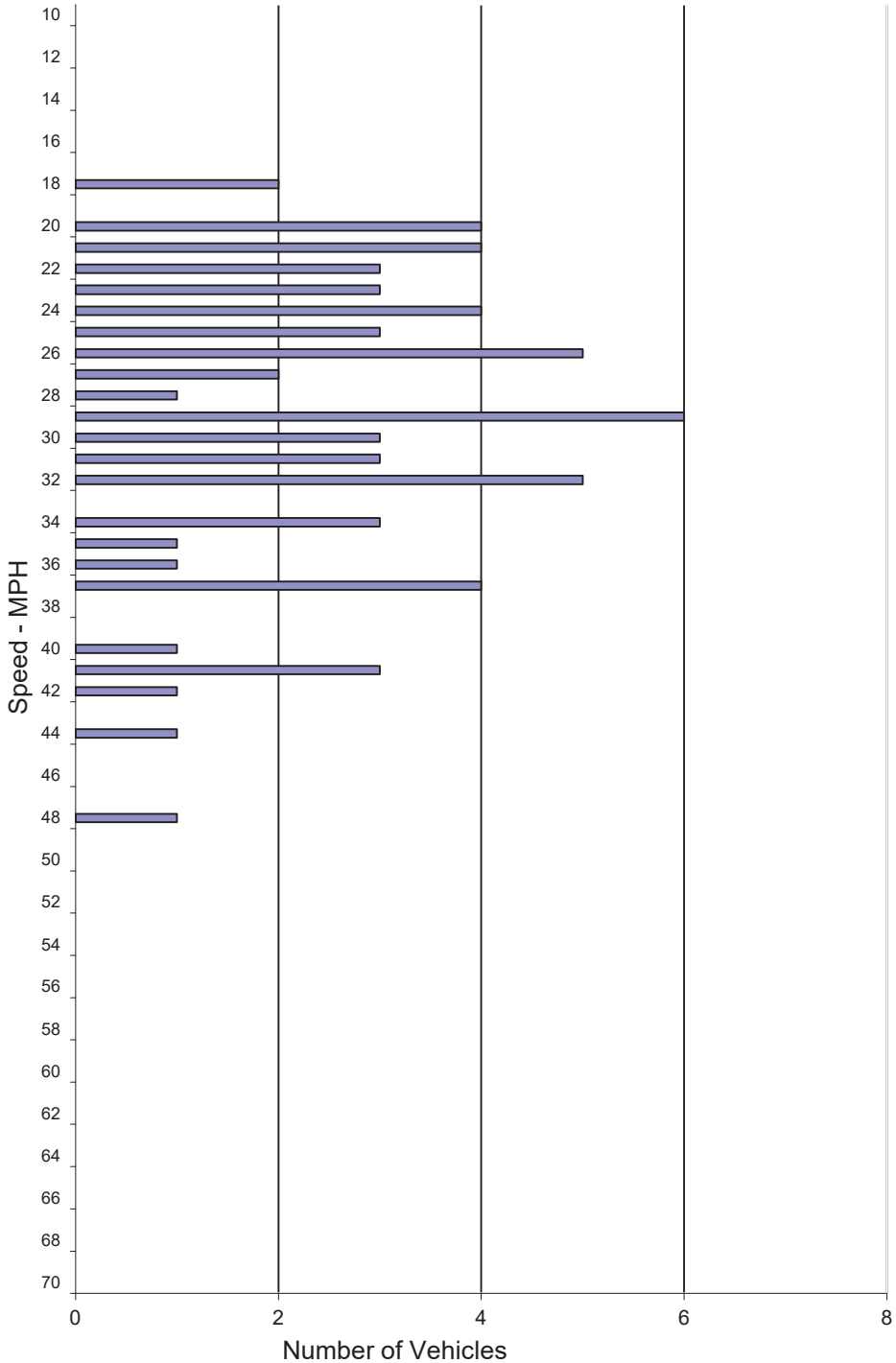
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** S Twin Oaks Valley Rd S/O Chancellor Ct
TIME: 12:30-12:52 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-105

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	2
19	
20	4
21	4
22	3
23	3
24	4
25	3
26	5
27	2
28	1
29	6
30	3
31	3
32	5
33	
34	3
35	1
36	1
37	4
38	
39	
40	1
41	3
42	1
43	
44	1
45	
46	
47	
48	1
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	64	18 - 48	29 mph	37 mph	20 - 29	35	55%	3% / 2	43% / 27

Spot Speed Study

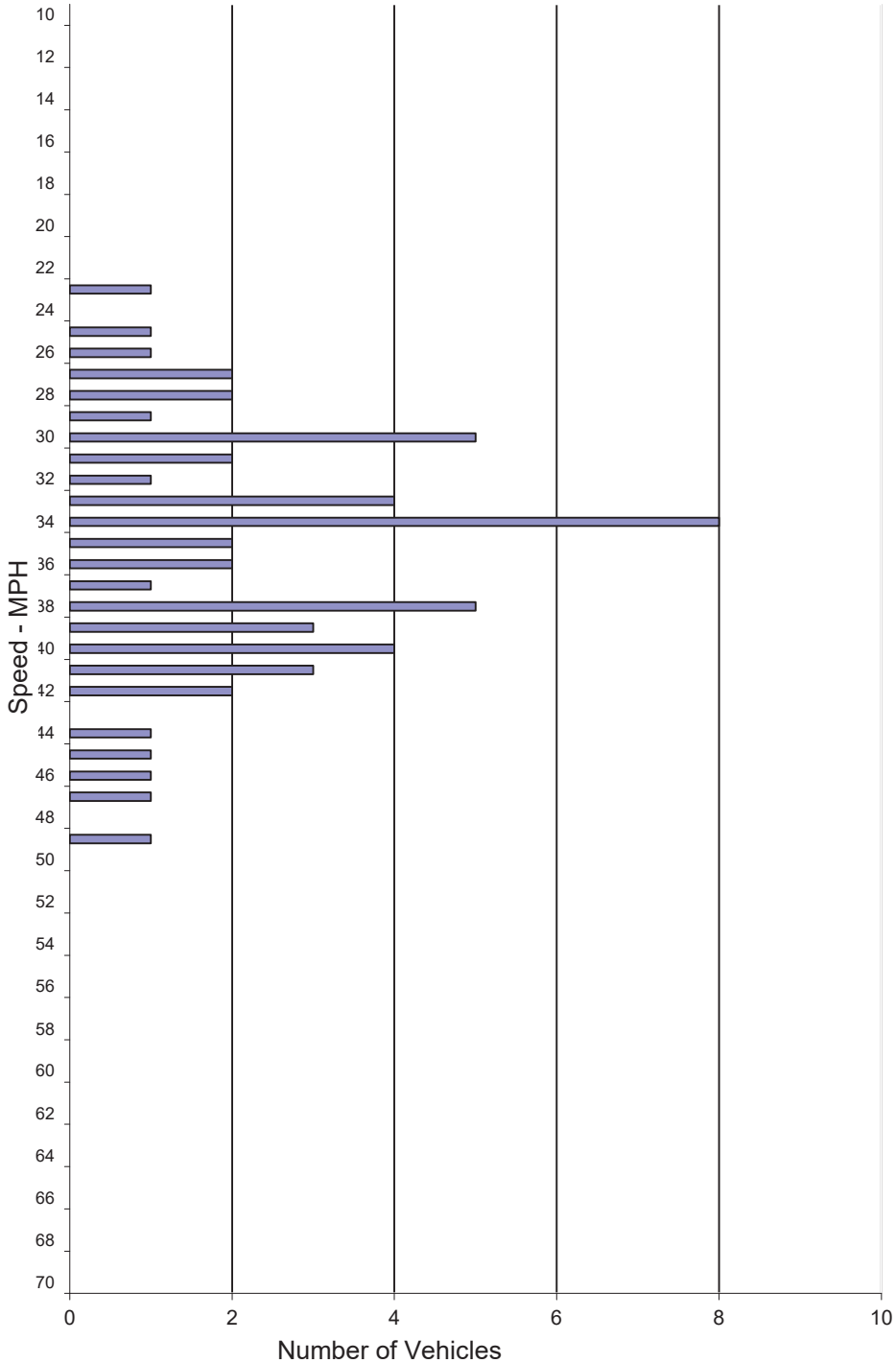
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** S Twin Oaks Valley Rd S/O Chancellor Ct
TIME: 12:30-12:52 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-105

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	
25	1
26	1
27	2
28	2
29	1
30	5
31	2
32	1
33	4
34	8
35	2
36	2
37	1
38	5
39	3
40	4
41	3
42	2
43	
44	1
45	1
46	1
47	1
48	
49	1
50	
51	
52	
53	
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65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	55	23 - 49	34 mph	41 mph	33 - 42	34	62%	29% / 16	10% / 5

Spot Speed Study

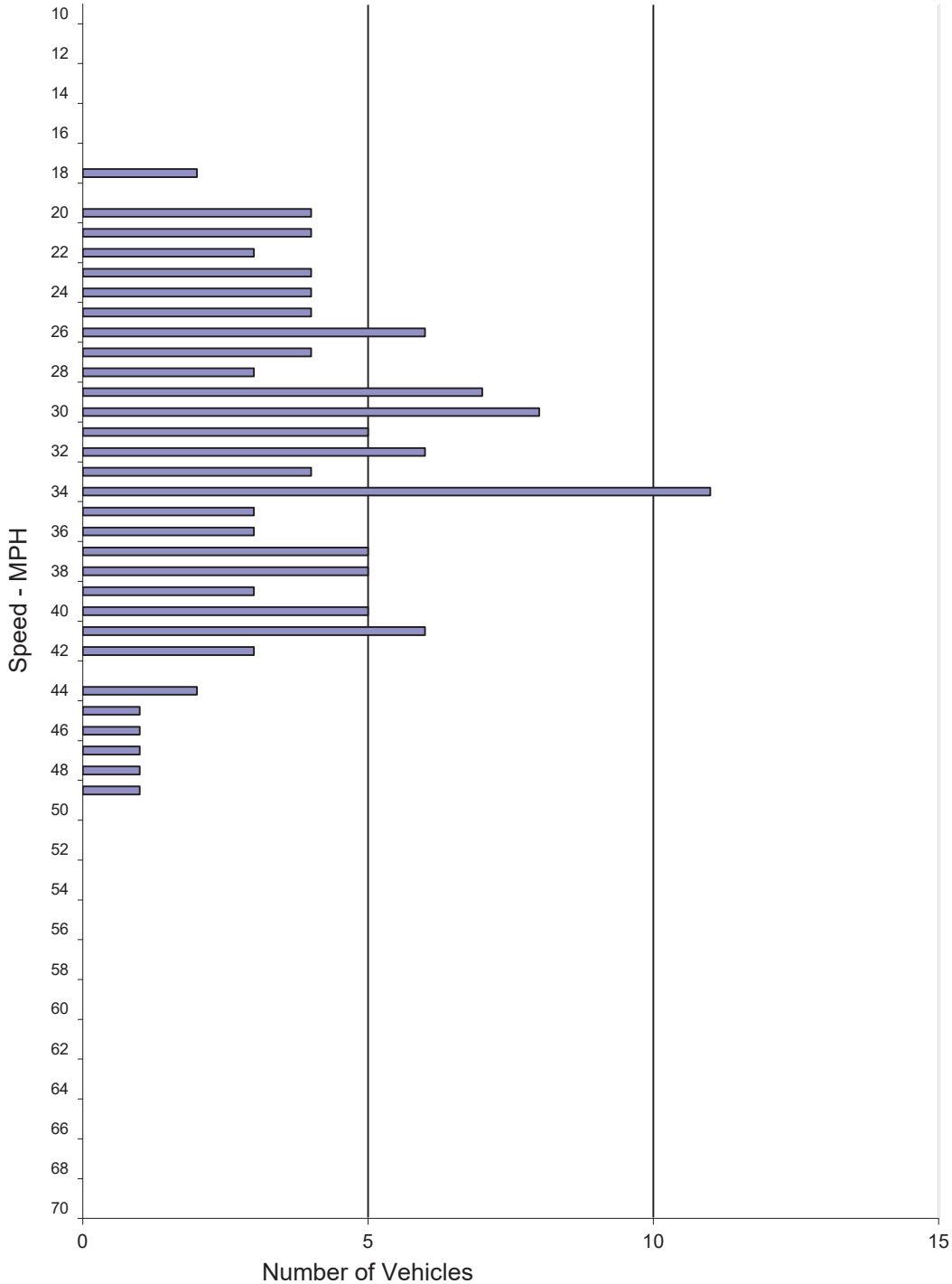
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/12/2023 **Location:** S Twin Oaks Valley Rd S/O Chancellor Ct
TIME: 12:30-12:52 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-105

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	2
19	
20	4
21	4
22	3
23	4
24	4
25	4
26	6
27	4
28	3
29	7
30	8
31	5
32	6
33	4
34	11
35	3
36	3
37	5
38	5
39	3
40	5
41	6
42	3
43	
44	2
45	1
46	1
47	1
48	1
49	1
50	
51	
52	
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	119	18 - 49	32 mph	40 mph	25 - 34	58	49%	17% / 21	34% / 40

Roadway	Twins Oaks Valley Road		
Segment	Craven Rd to Village Dr (South)		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	47
Roadway Width (feet)	100	Recommended Speed Limit	45
No. of Striped Lanes	6	Collision Rate/Statewide Collision Rate*	0/0.96
Median	Raised	2019, District 11, Urban,4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

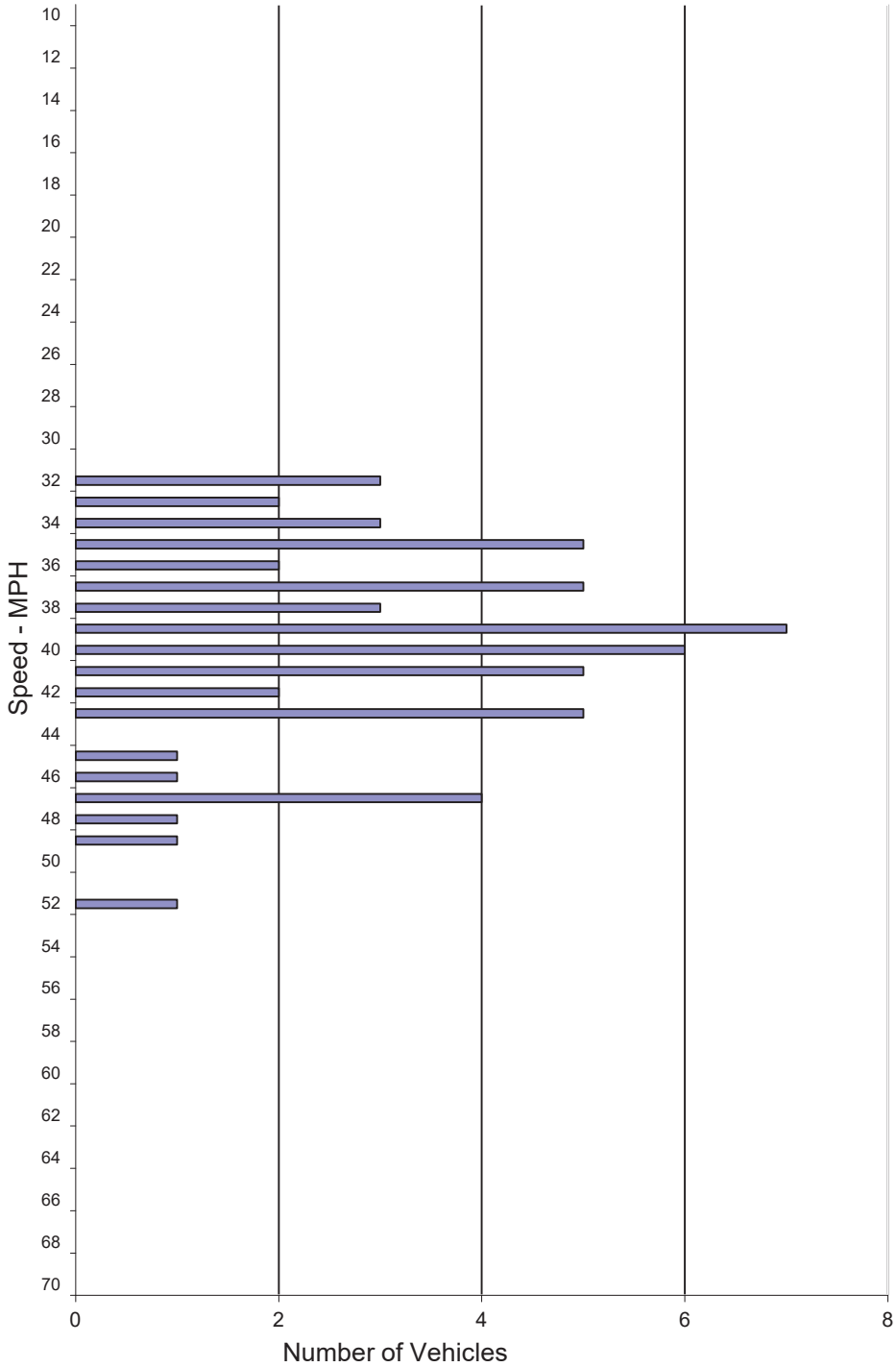
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** S Twin Oaks Valley Rd N/O Village Dr
TIME: 14:34-14:56 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-007

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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14	
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20	
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22	
23	
24	
25	
26	
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28	
29	
30	
31	
32	3
33	2
34	3
35	5
36	2
37	5
38	3
39	7
40	6
41	5
42	2
43	5
44	
45	1
46	1
47	4
48	1
49	1
50	
51	
52	1
53	
54	
55	
56	
57	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	57	32 - 52	39 mph	45 mph	34 - 43	43	75%	8% / 5	16% / 9

Spot Speed Study

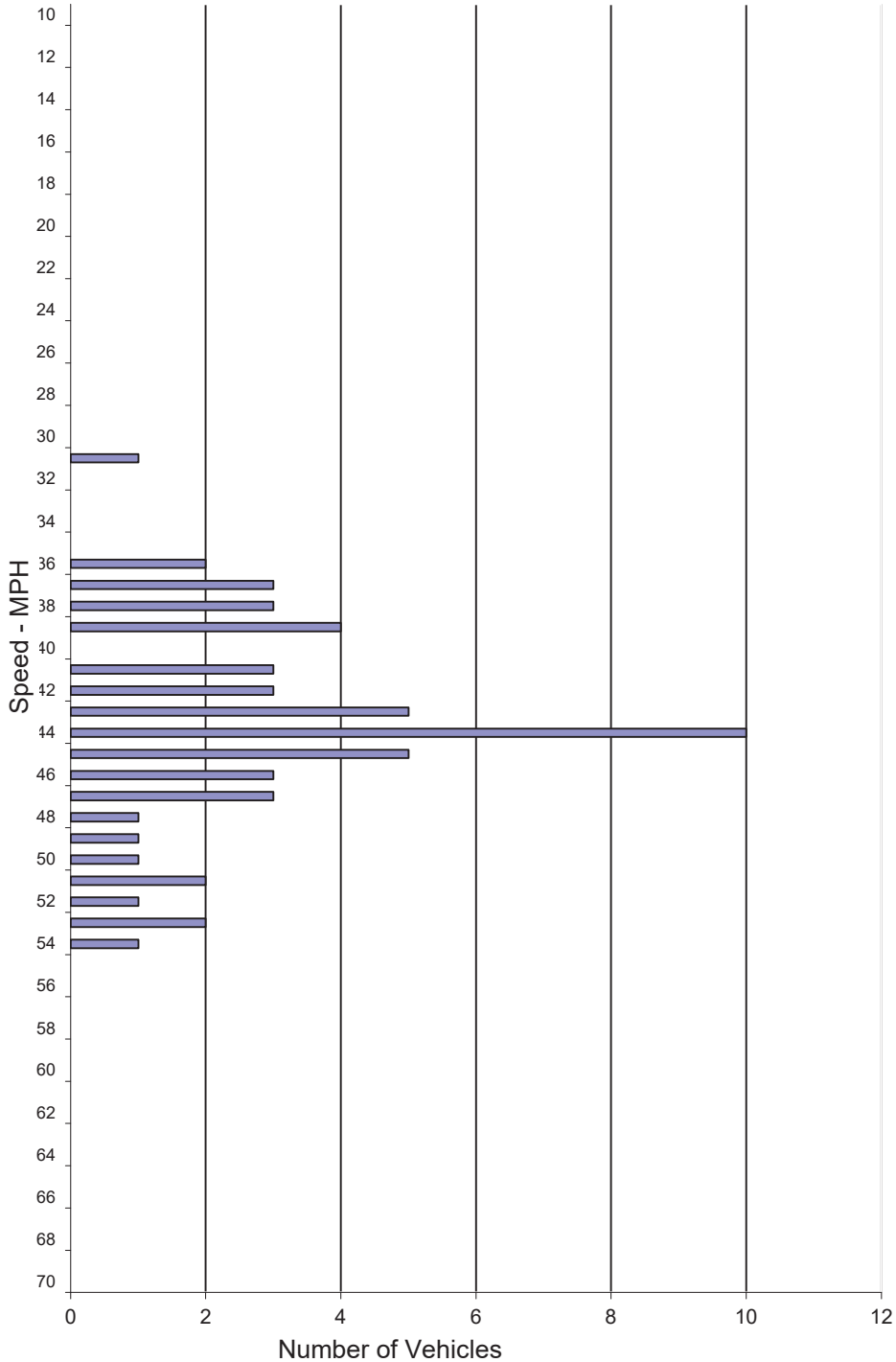
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** S Twin Oaks Valley Rd N/O Village Dr
TIME: 14:34-14:56 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-007

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
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22	
23	
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30	
31	1
32	
33	
34	
35	
36	2
37	3
38	3
39	4
40	
41	3
42	3
43	5
44	10
45	5
46	3
47	3
48	1
49	1
50	1
51	2
52	1
53	2
54	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	54	31 - 54	44 mph	48 mph	37 - 46	39	72%	5% / 3	23% / 12

Spot Speed Study

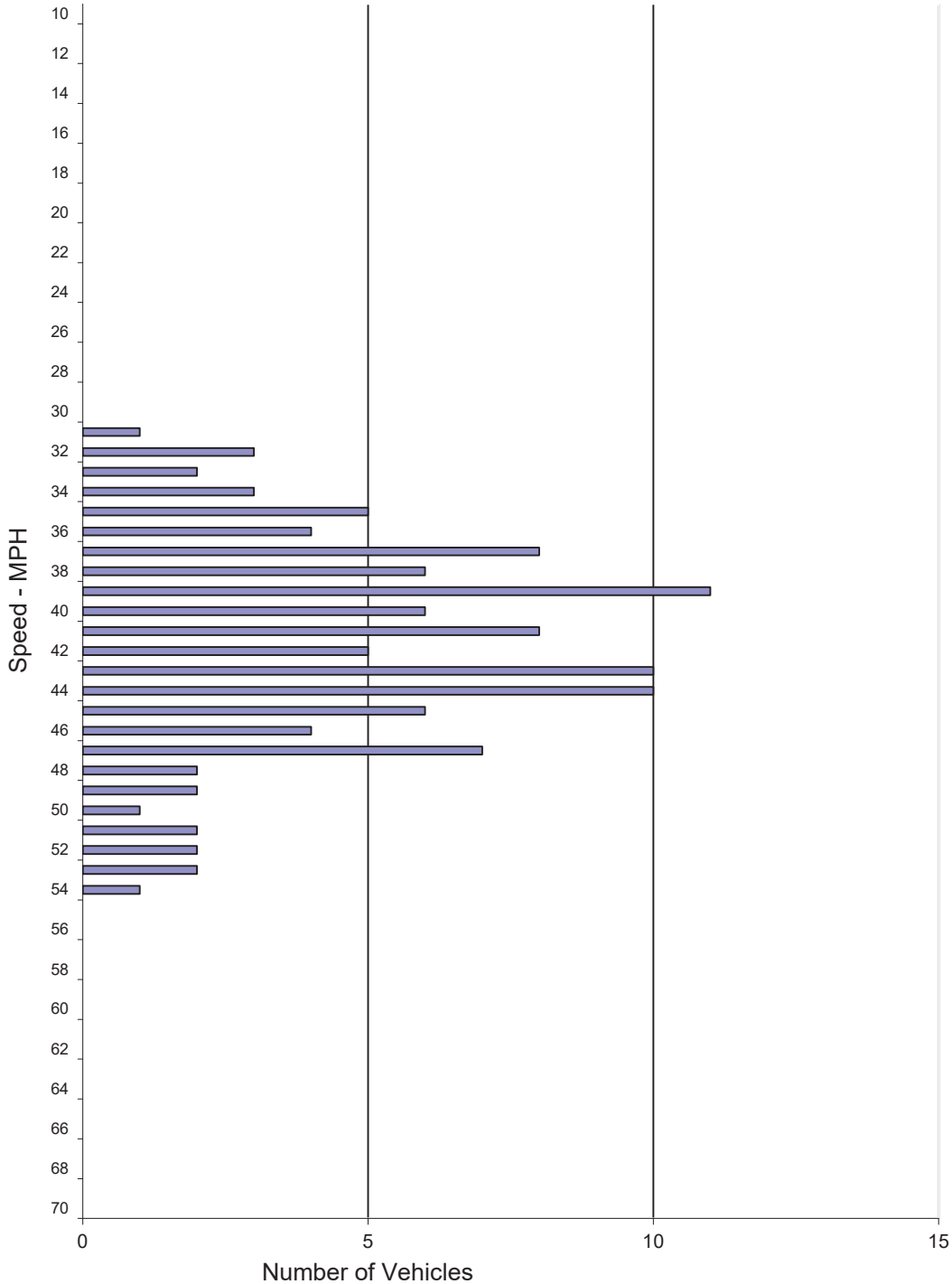
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** S Twin Oaks Valley Rd N/O Village Dr
TIME: 14:34-14:56 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-007

Northbound & Southbound Spot Speeds

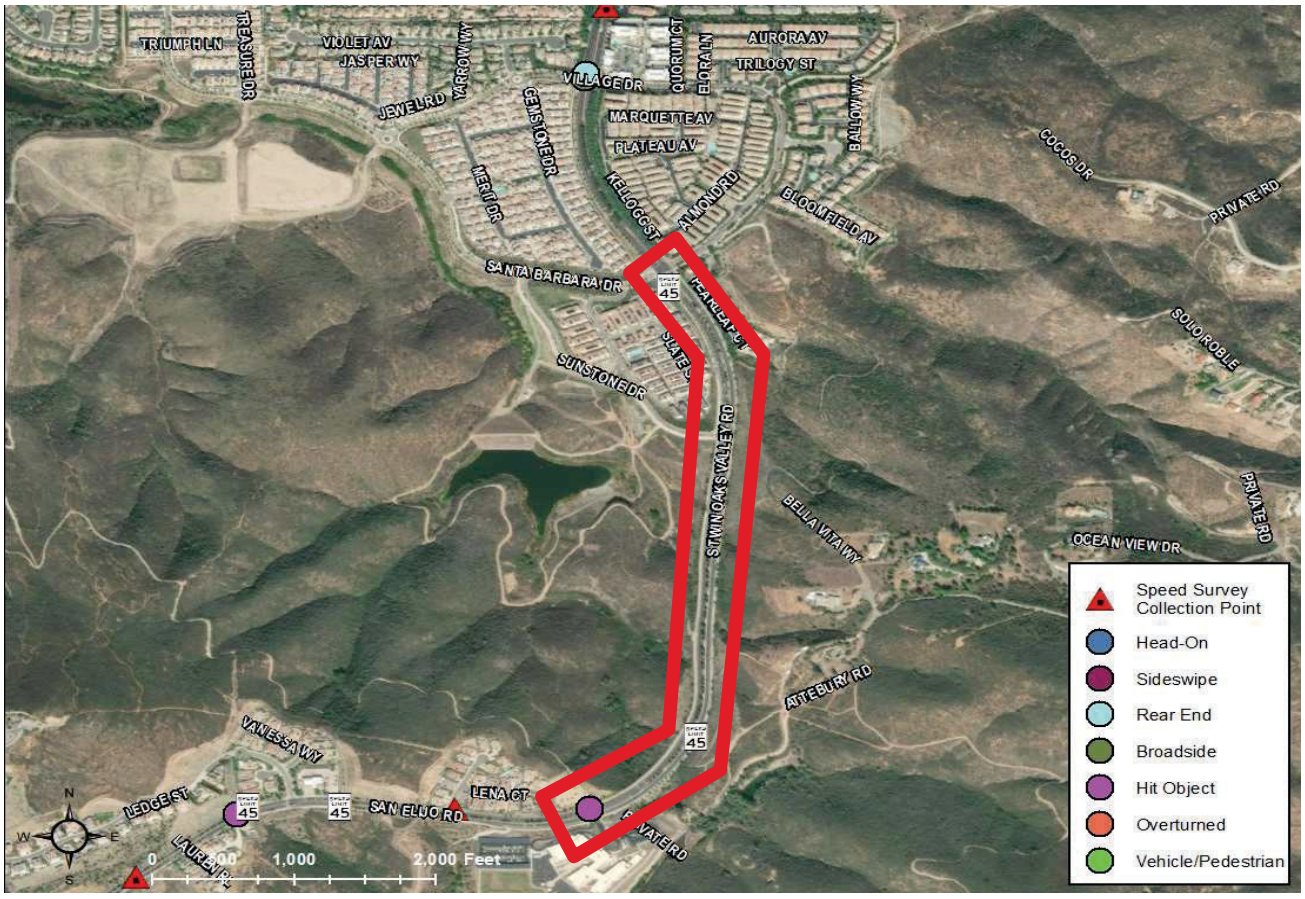
Speed mph	ALL Vehicles
<=10	
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31	1
32	3
33	2
34	3
35	5
36	4
37	8
38	6
39	11
40	6
41	8
42	5
43	10
44	10
45	6
46	4
47	7
48	2
49	2
50	1
51	2
52	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	111	31 - 54	41 mph	47 mph	36 - 45	74	67%	12% / 14	21% / 23

Roadway	Twin Oaks Valley Road		
Segment	Village Dr (South) to Ridgeline Trailhead Park		
Pedestrian Facilities	Yes	Posted Speed Limit	45
Bicycle Facilities	Class II	85th Percentile Speed	45
Roadway Width (feet)	82	Recommended Speed Limit	45
No. of Striped Lanes	5	Collision Rate/Statewide Collision Rate*	0.62/0.96
Median	Raised	2019, District 11, Urban,4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

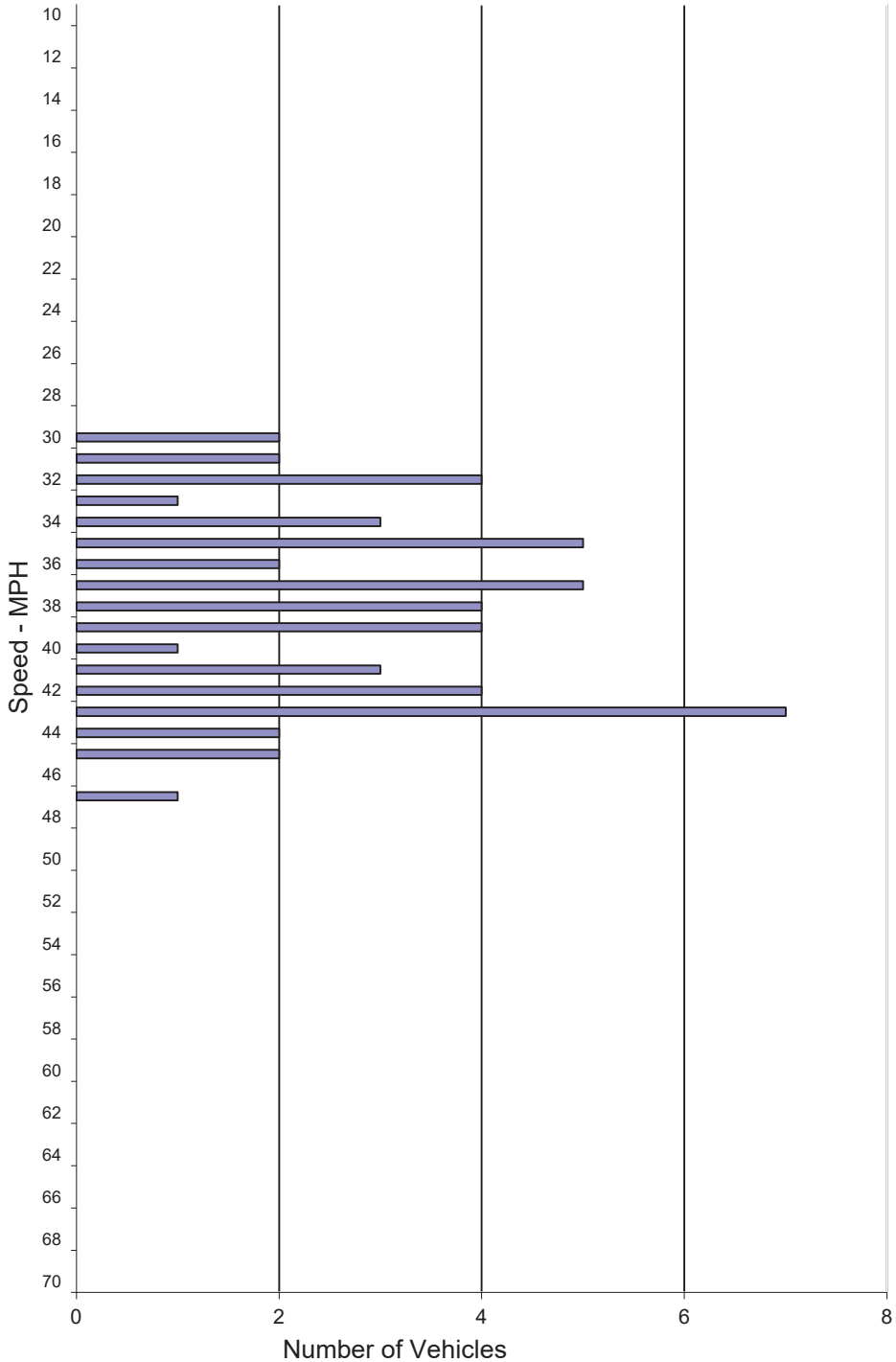
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** San Elijo Road E/O Ridgeline Trailhead Park
TIME: 11:42-12:10 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-017

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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31	2
32	4
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34	3
35	5
36	2
37	5
38	4
39	4
40	1
41	3
42	4
43	7
44	2
45	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	52	30 - 47	38 mph	43 mph	34 - 43	38	73%	17% / 9	10% / 5

Spot Speed Study

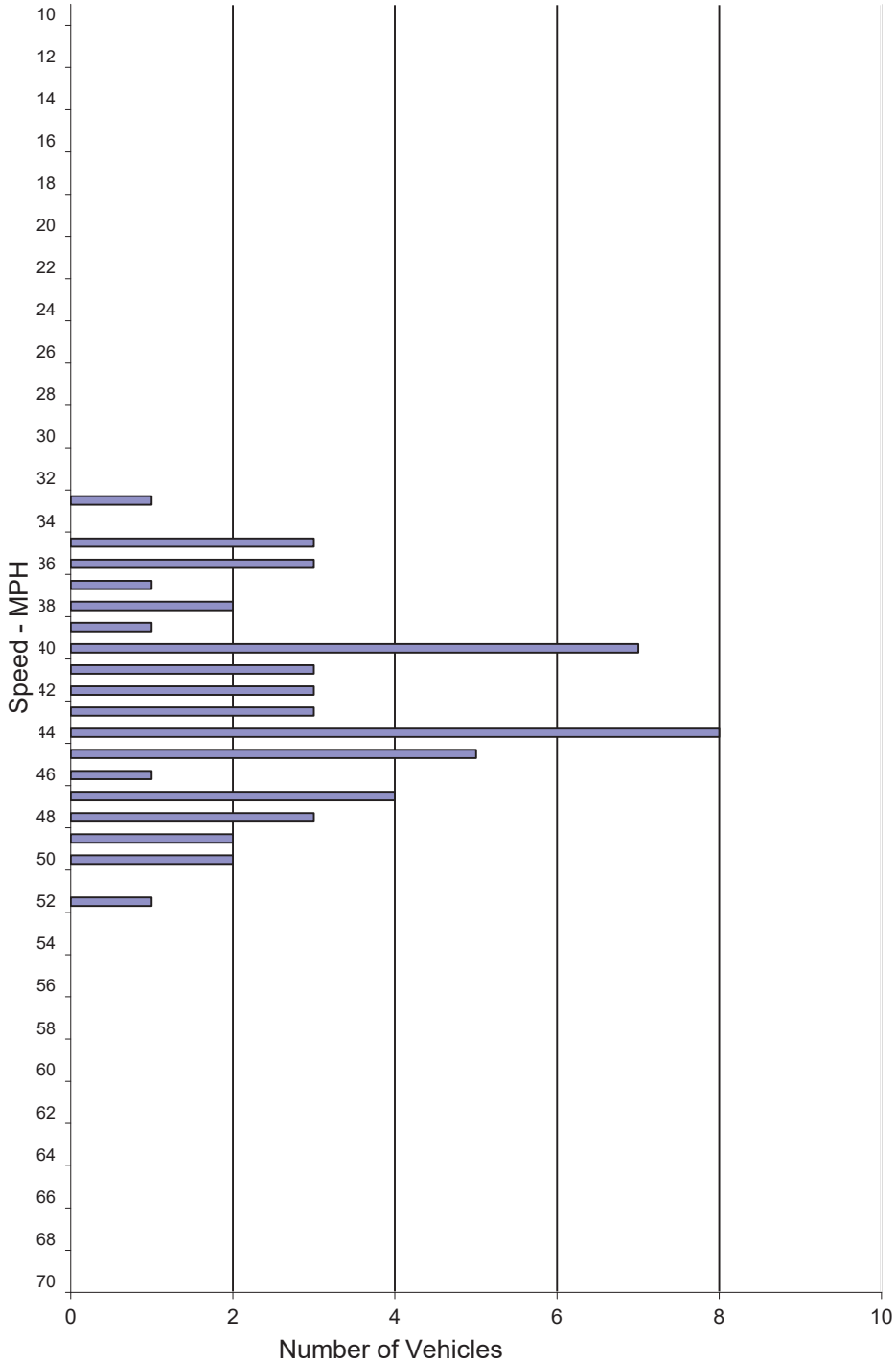
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** San Elijo Road E/O Ridgeline Trailhead Park
TIME: 11:42-12:10 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-017

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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33	1
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35	3
36	3
37	1
38	2
39	1
40	7
41	3
42	3
43	3
44	8
45	5
46	1
47	4
48	3
49	2
50	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	53	33 - 52	43 mph	48 mph	40 - 49	39	74%	20% / 11	6% / 3

Spot Speed Study

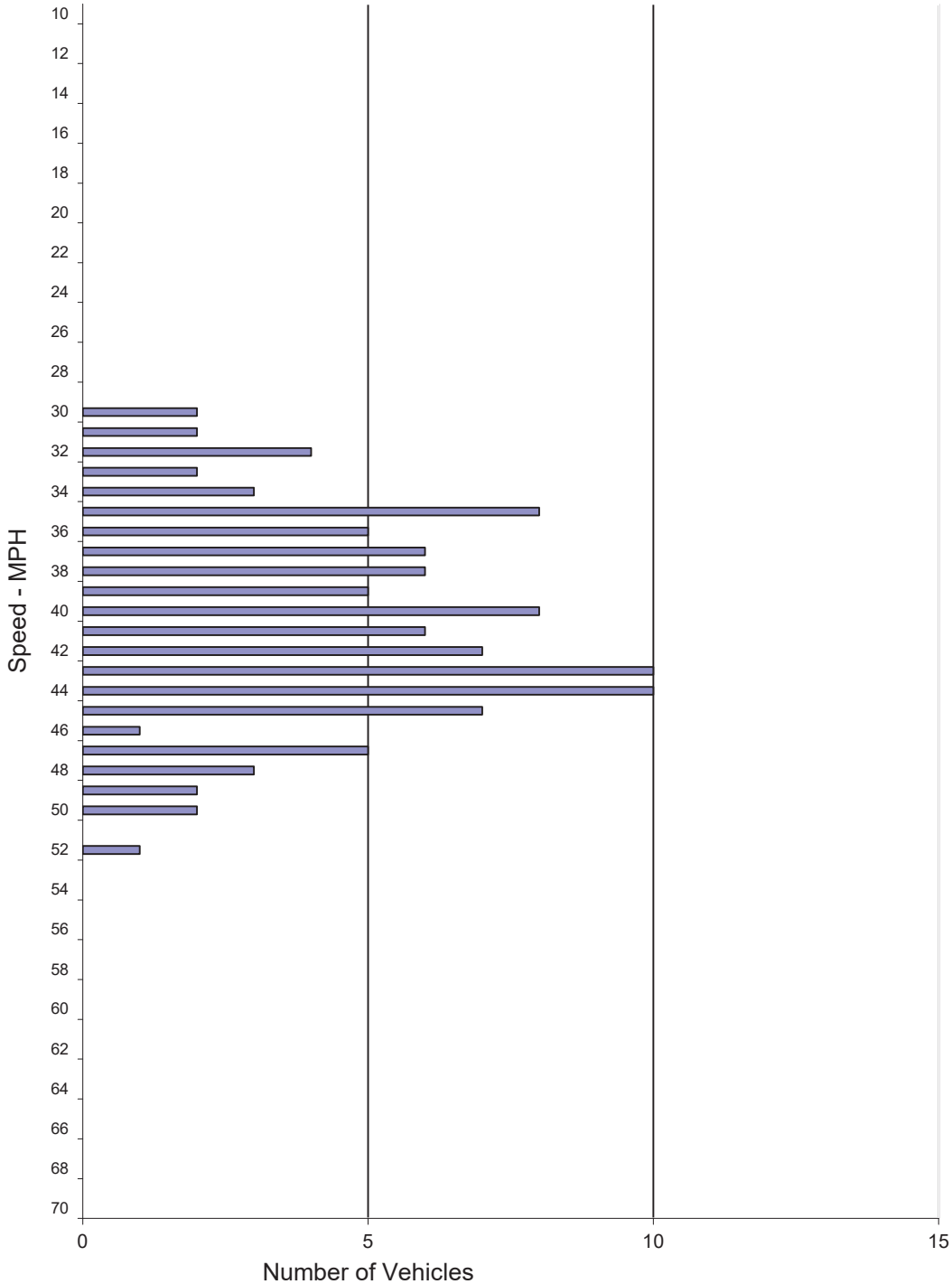
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/28/2023 **Location:** San Elijo Road E/O Ridgeline Trailhead Park
TIME: 11:42-12:10 **Posted Speed:** 45 MPH Clear/Dry **Project #:** 23-040001-017

Eastbound & Westbound Spot Speeds

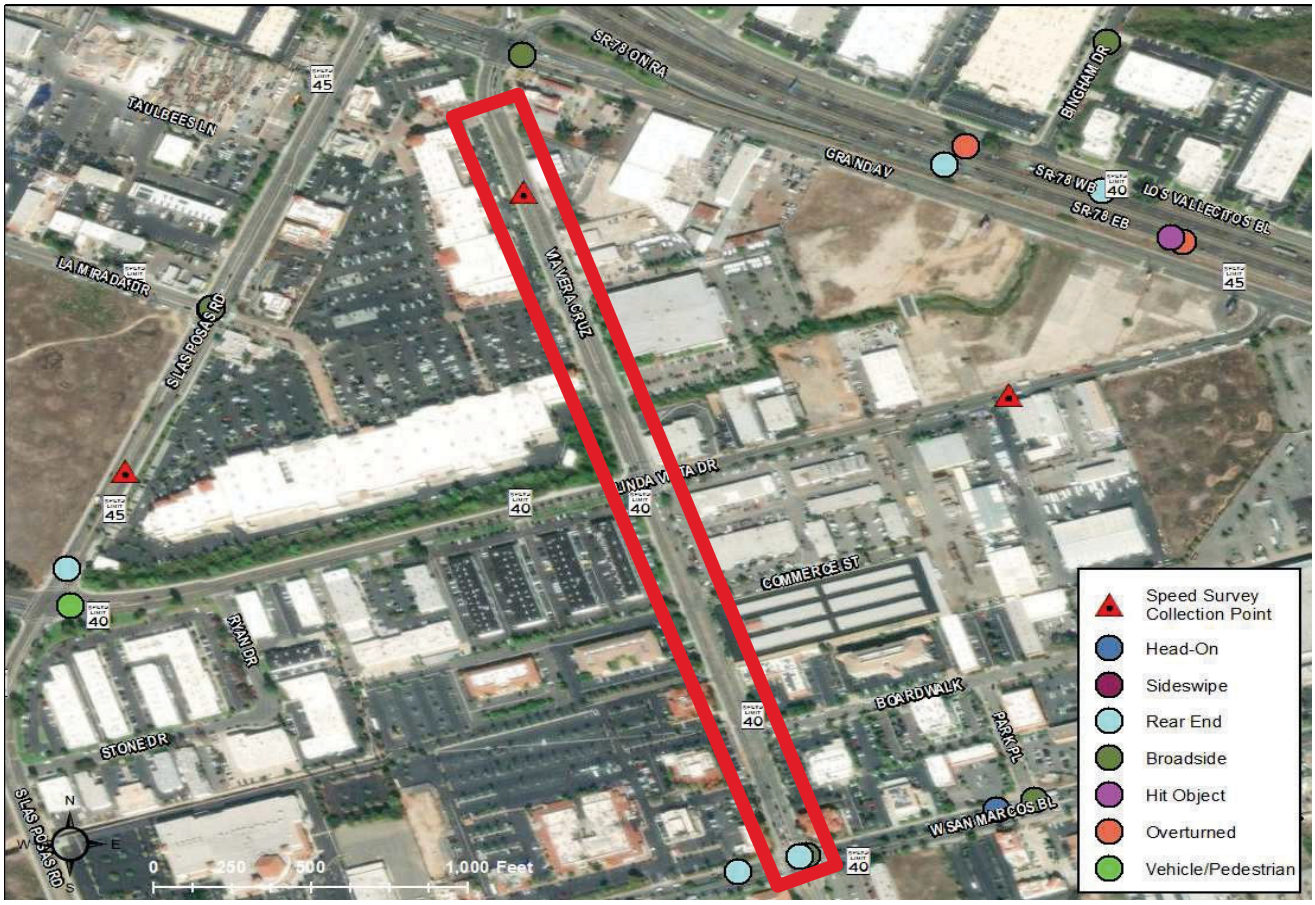
Speed mph	ALL Vehicles
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32	4
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34	3
35	8
36	5
37	6
38	6
39	5
40	8
41	6
42	7
43	10
44	10
45	7
46	1
47	5
48	3
49	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	105	30 - 52	41 mph	45 mph	35 - 44	71	68%	12% / 13	20% / 21

Roadway	Via Vera Cruz		
Segment	Grand Ave to San Marcos Blvd		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	39
Roadway Width (feet)	68	Recommended Speed Limit	40
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	1.13/0.84
Median	Center Left Turn Lane	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

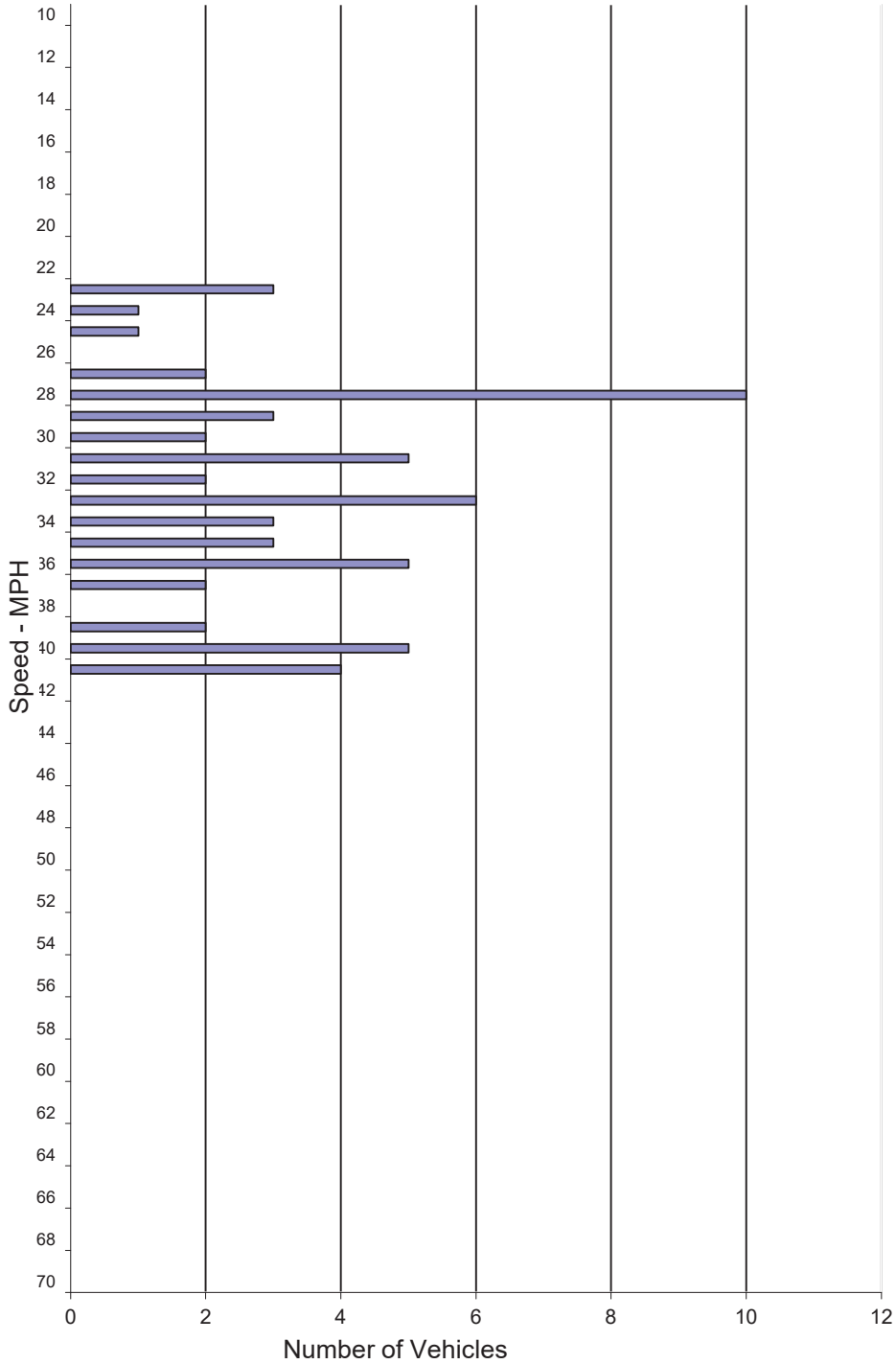
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Via Vera Cruz S/O Grand Ave
TIME: 09:48-10:53 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-048

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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22	
23	3
24	1
25	1
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27	2
28	10
29	3
30	2
31	5
32	2
33	6
34	3
35	3
36	5
37	2
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39	2
40	5
41	4
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	59	23 - 41	33 mph	40 mph	27 - 36	41	69%	8% / 5	23% / 13

Spot Speed Study

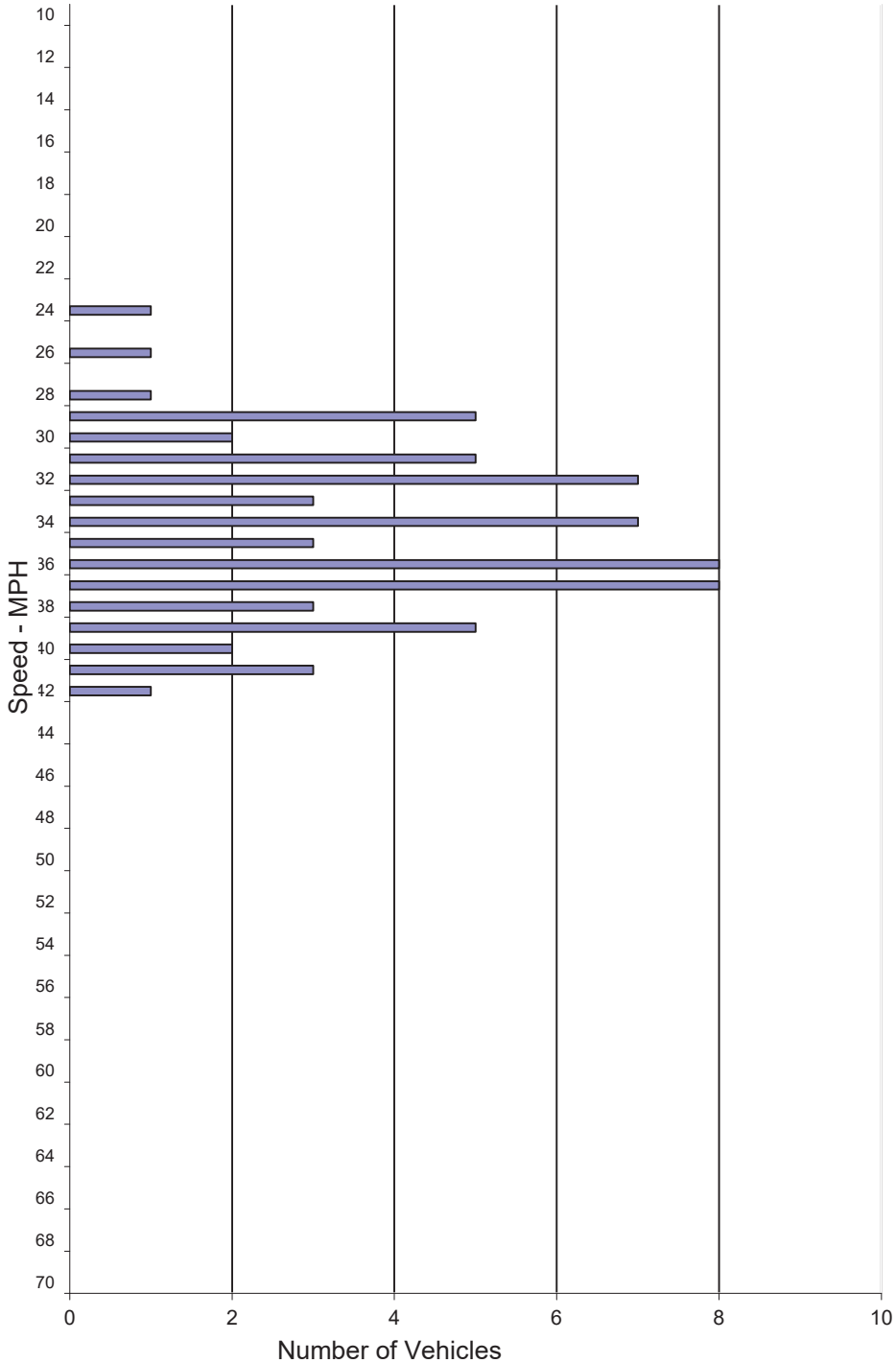
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Via Vera Cruz S/O Grand Ave
TIME: 09:48-10:53 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-048

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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23	
24	1
25	
26	1
27	
28	1
29	5
30	2
31	5
32	7
33	3
34	7
35	3
36	8
37	8
38	3
39	5
40	2
41	3
42	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	65	24 - 42	35 mph	39 mph	29 - 38	51	78%	4% / 3	17% / 11

Spot Speed Study

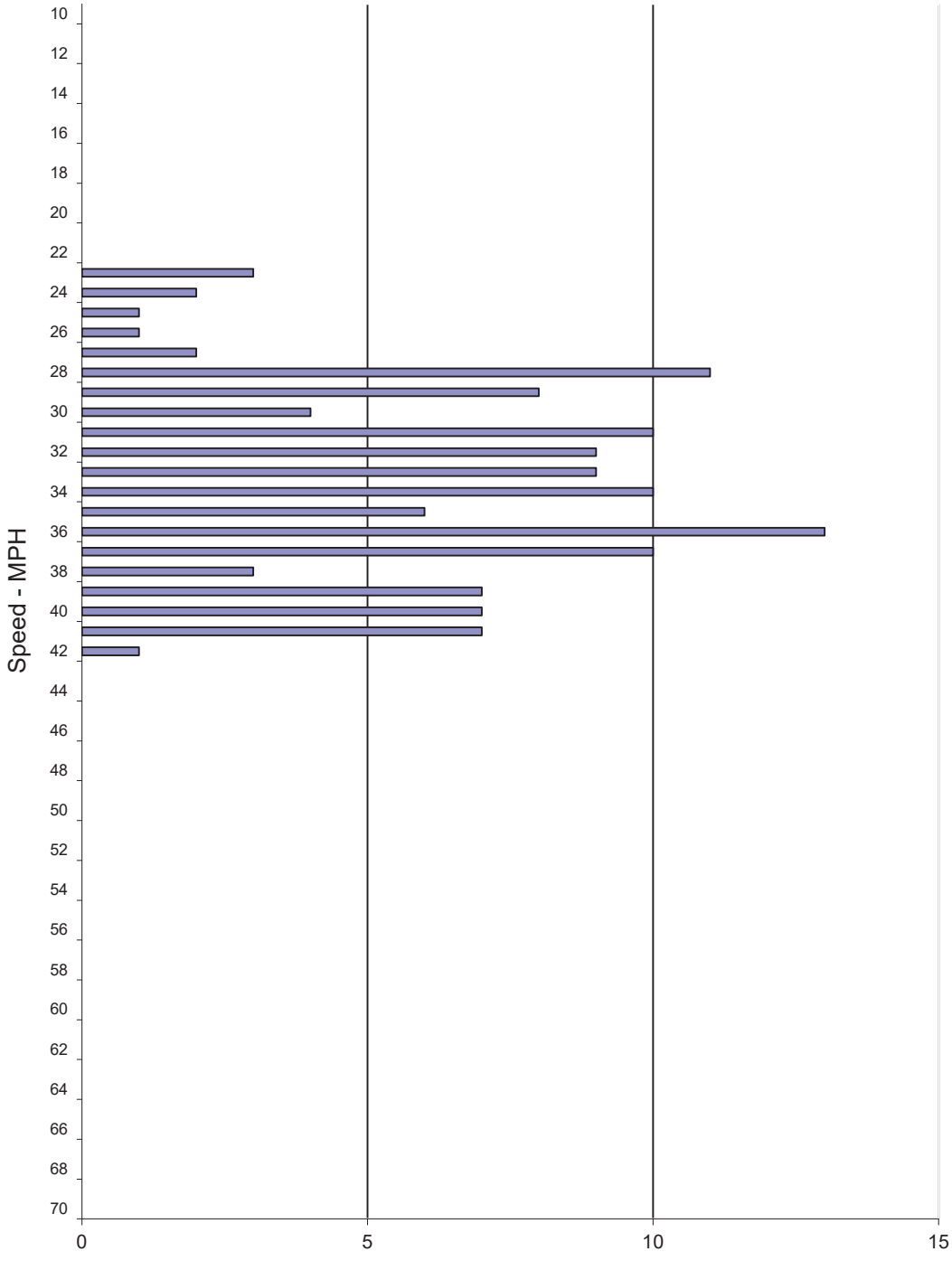
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Via Vera Cruz S/O Grand Ave
TIME: 09:48-10:53 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-048

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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22	
23	3
24	2
25	1
26	1
27	2
28	11
29	8
30	4
31	10
32	9
33	9
34	10
35	6
36	13
37	10
38	3
39	7
40	7
41	7
42	1
43	
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65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	124	23 - 42	34 mph	39 mph	28 - 37	90	73%	7% / 9	21% / 25

Roadway	Via Vera Cruz		
Segment	Discovery St to Honeysuckle Dr		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	Class II	85th Percentile Speed	34
Roadway Width (feet)	64	Recommended Speed Limit	30
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	1.84/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

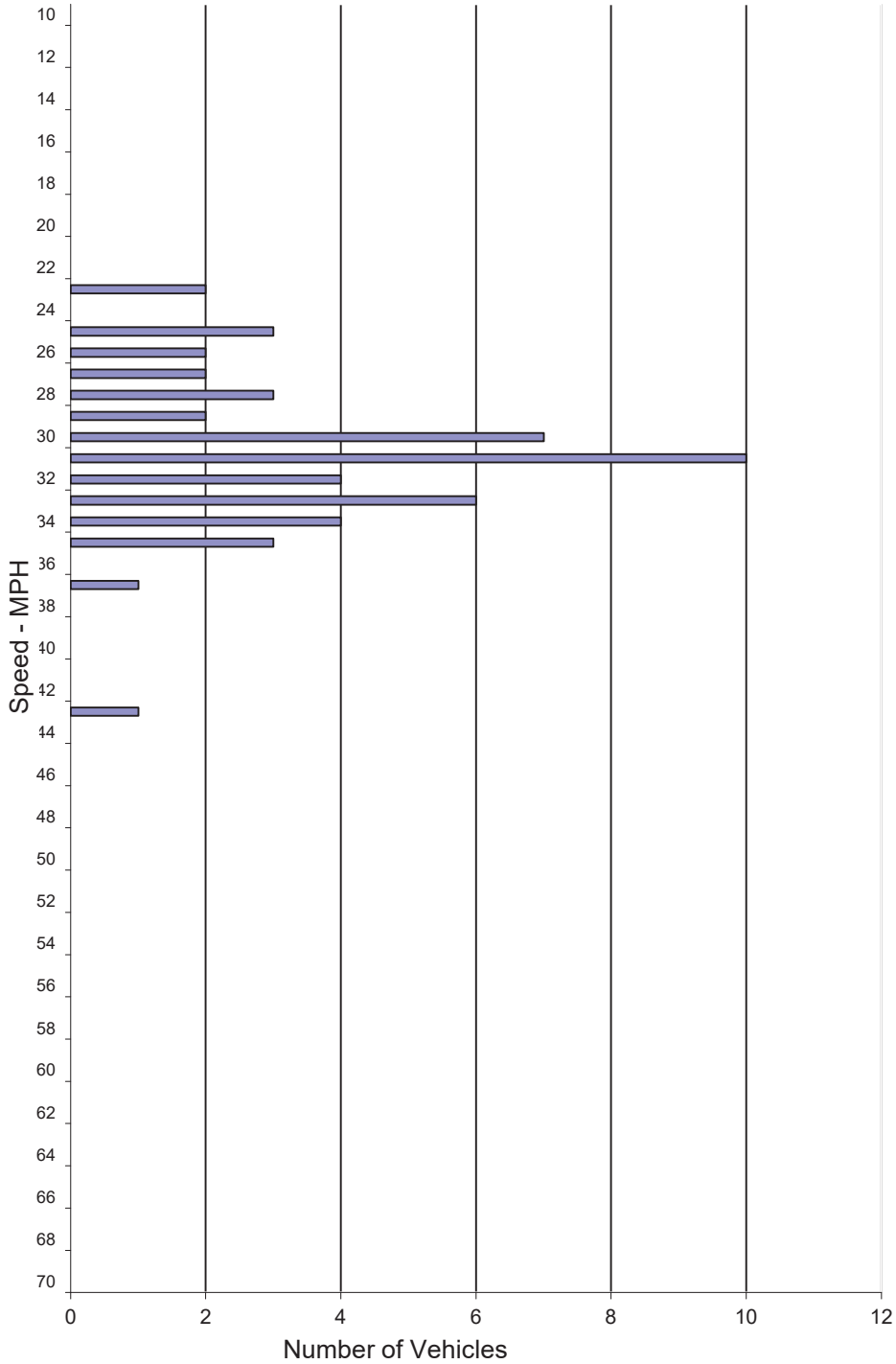
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Via Vera Cruz S/O Applewilde Dr
TIME: 11:11-12:39 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-035

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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20	
21	
22	
23	2
24	
25	3
26	2
27	2
28	3
29	2
30	7
31	10
32	4
33	6
34	4
35	3
36	
37	1
38	
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43	1
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68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	23 - 43	31 mph	34 mph	25 - 34	43	86%	4% / 2	10% / 5

Spot Speed Study

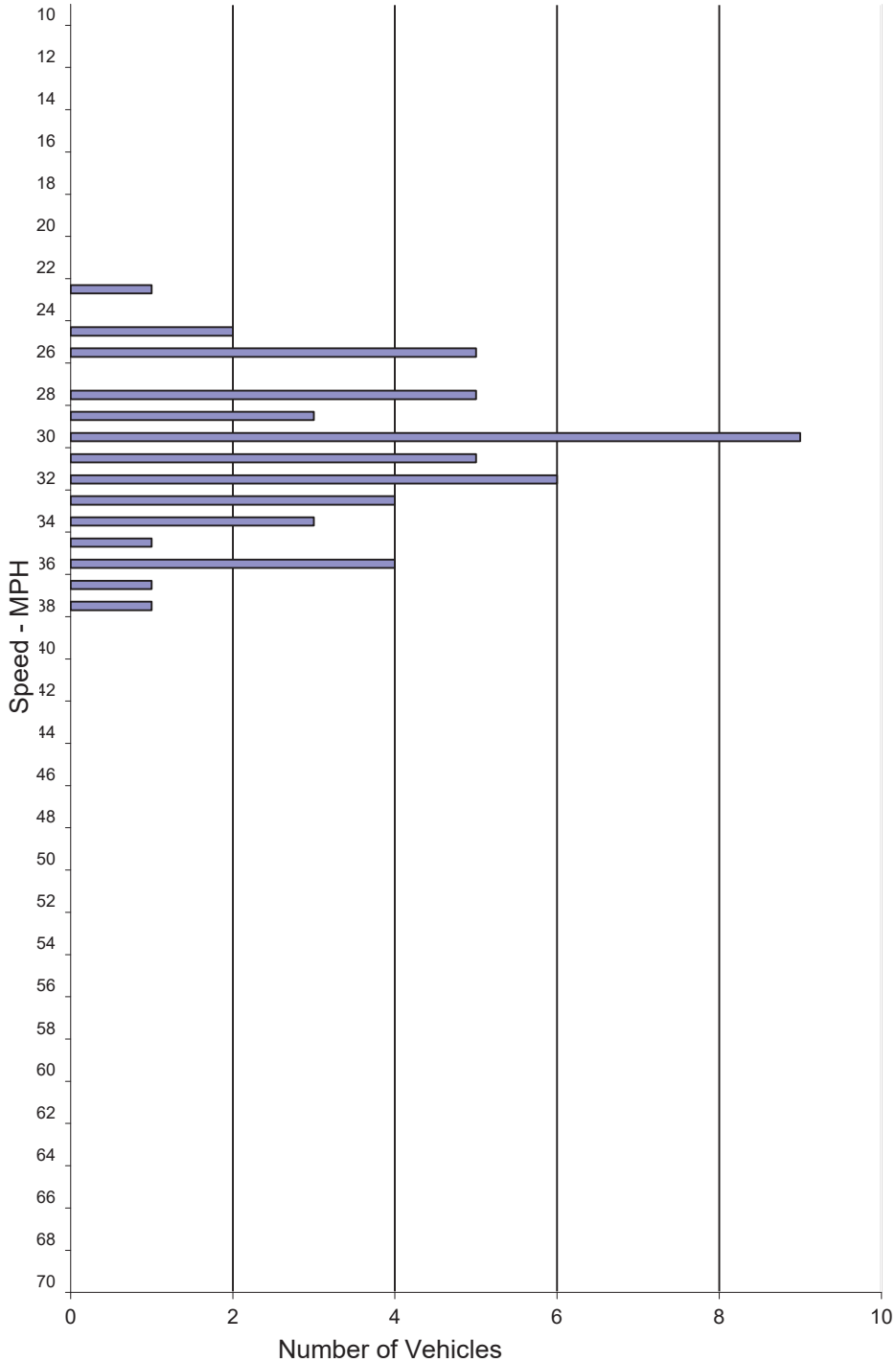
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Via Vera Cruz S/O Applewilde Dr
TIME: 11:11-12:39 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-035

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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22	
23	1
24	
25	2
26	5
27	
28	5
29	3
30	9
31	5
32	6
33	4
34	3
35	1
36	4
37	1
38	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	23 - 38	30 mph	34 mph	25 - 34	42	84%	2% / 1	14% / 7

Spot Speed Study

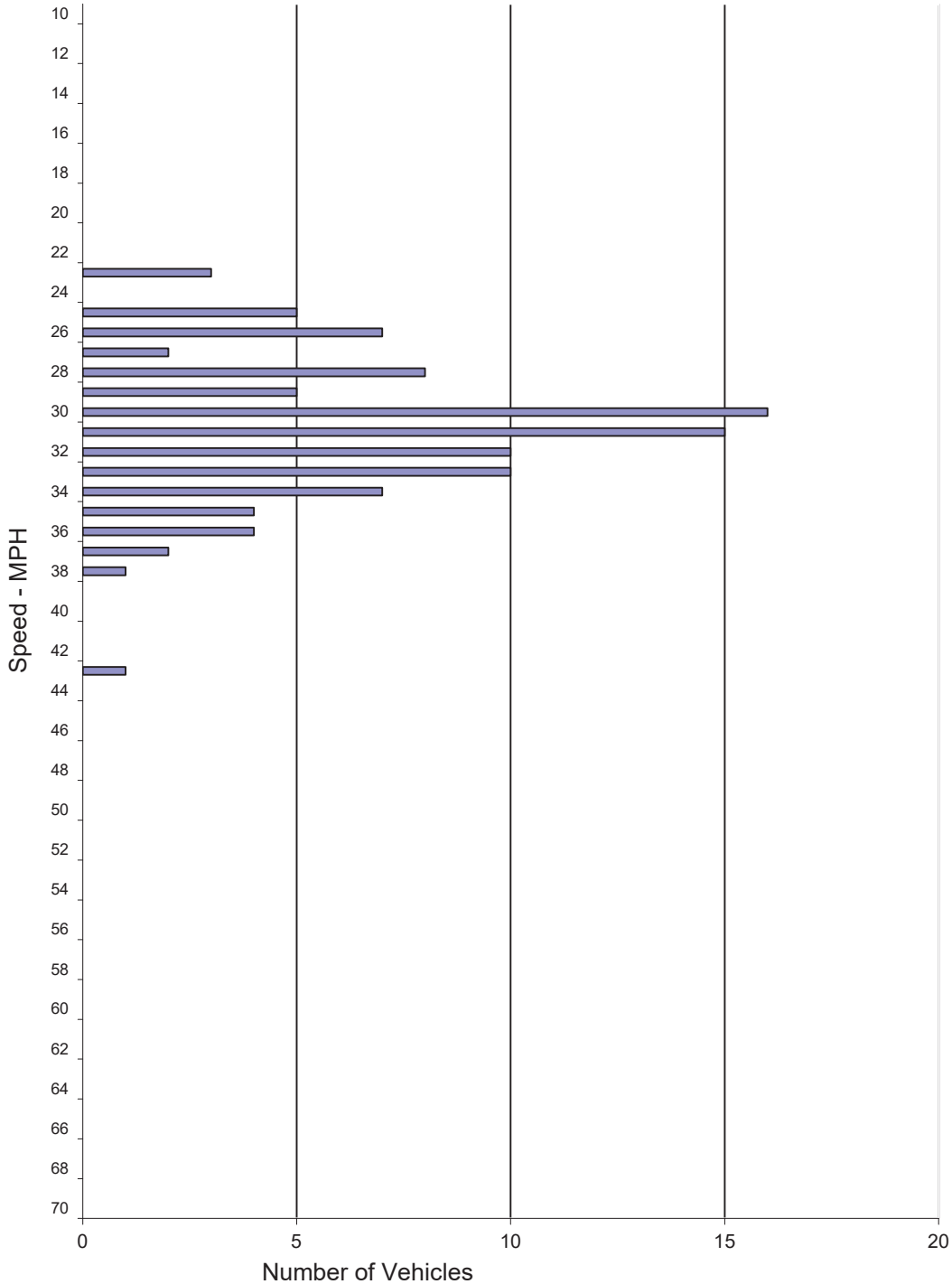
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Via Vera Cruz S/O Applewilde Dr
TIME: 11:11-12:39 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-035

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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23	3
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25	5
26	7
27	2
28	8
29	5
30	16
31	15
32	10
33	10
34	7
35	4
36	4
37	2
38	1
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43	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	23 - 43	31 mph	34 mph	25 - 34	85	85%	3% / 3	12% / 12

Roadway	Vineyard Road		
Segment	Woodward St to Mulberry Dr		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	Class II	85th Percentile Speed	40
Roadway Width (feet)	45	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	1.23/1.33
Median	Center Left Turn Lane	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

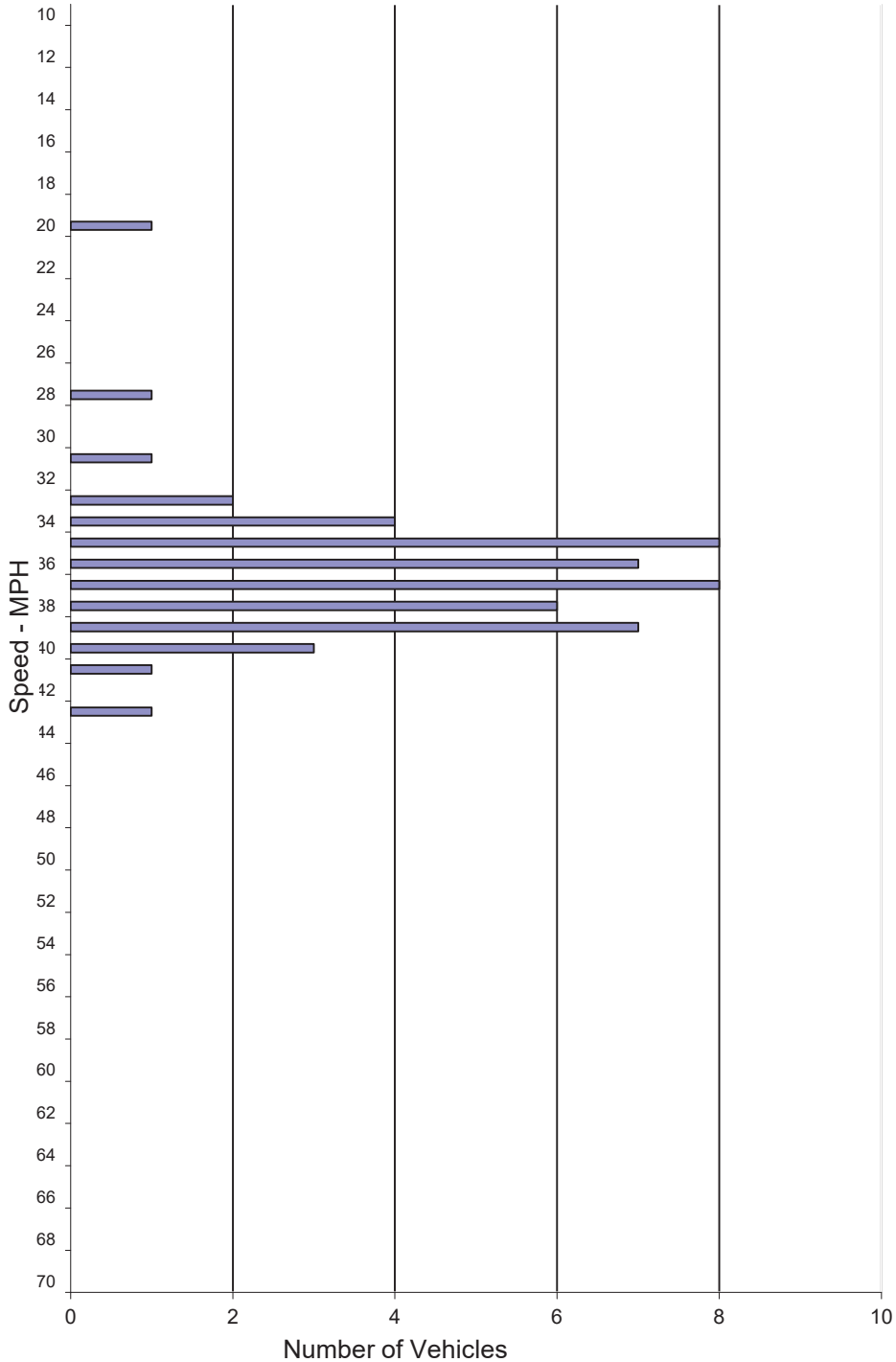
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Vineyard Rd S/O N Alda Dr
TIME: 14:40-15:57 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-026

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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28	1
29	
30	
31	1
32	
33	2
34	4
35	8
36	7
37	8
38	6
39	7
40	3
41	1
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43	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	20 - 43	37 mph	39 mph	31 - 40	46	92%	4% / 2	4% / 2

Spot Speed Study

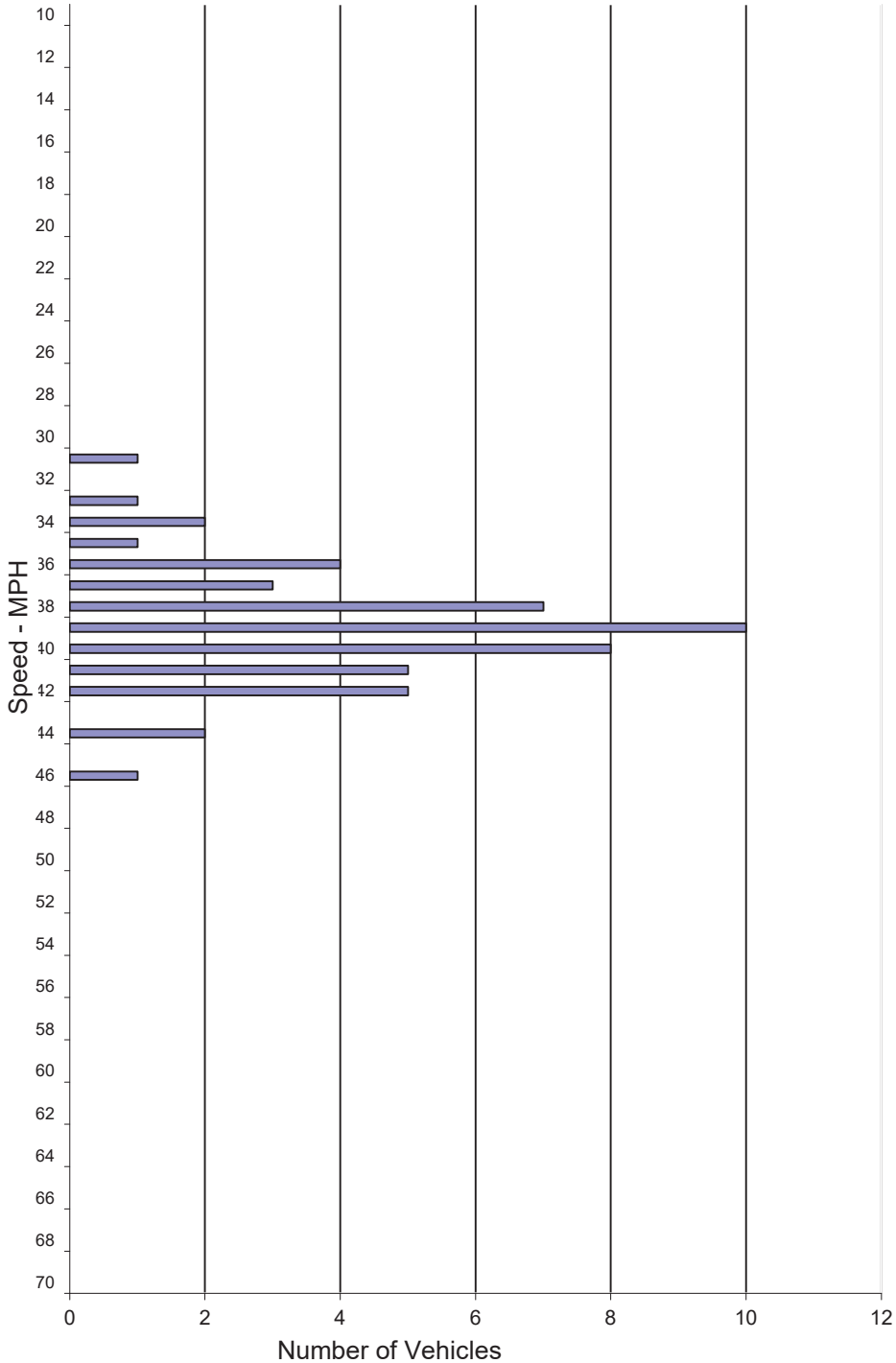
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Vineyard Rd S/O N Alda Dr
TIME: 14:40-15:57 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-026

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
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31	1
32	
33	1
34	2
35	1
36	4
37	3
38	7
39	10
40	8
41	5
42	5
43	
44	2
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	31 - 46	39 mph	42 mph	33 - 42	46	92%	2% / 1	6% / 3

Spot Speed Study

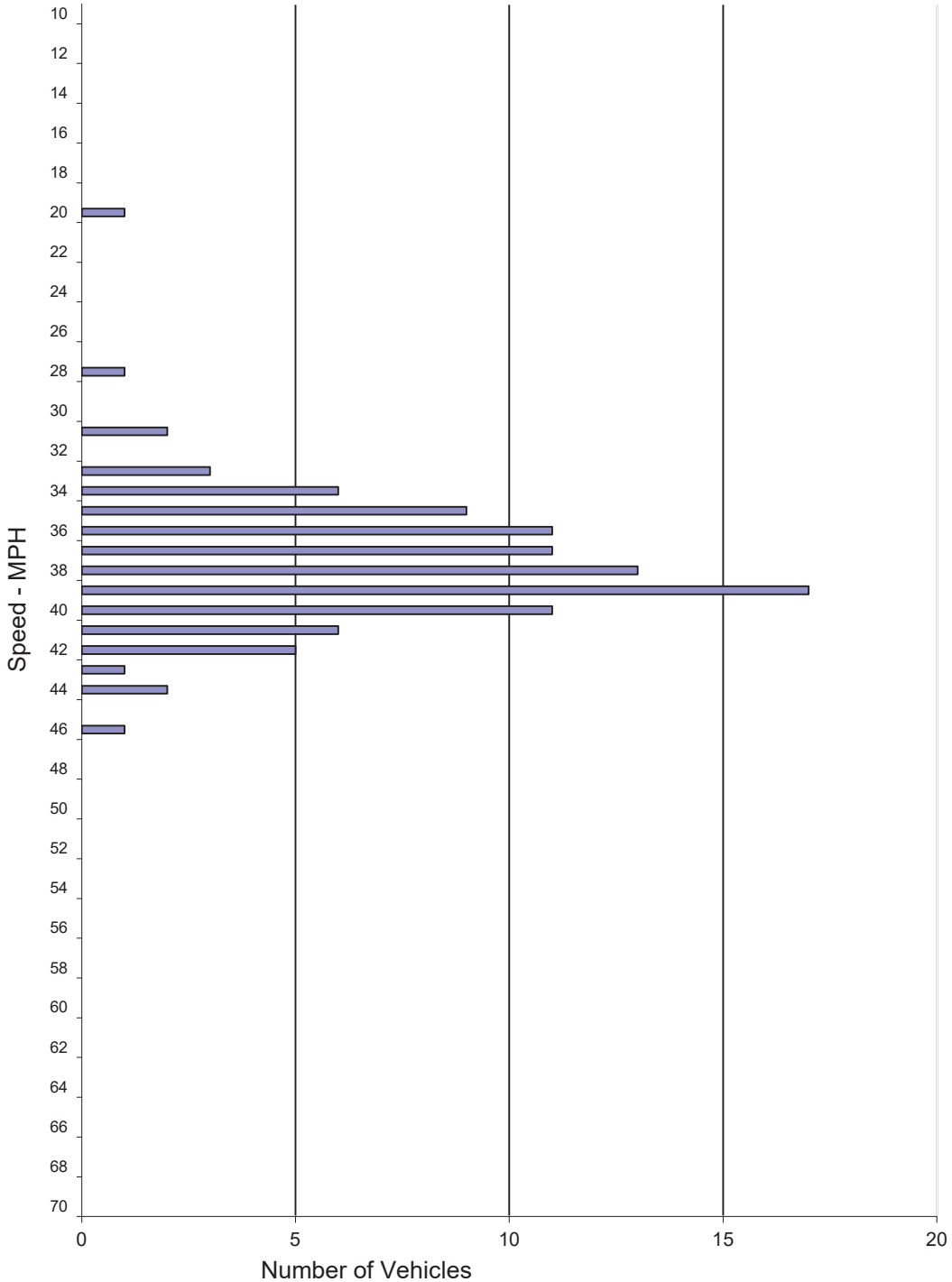
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Vineyard Rd S/O N Alda Dr
TIME: 14:40-15:57 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-026

Northbound & Southbound Spot Speeds

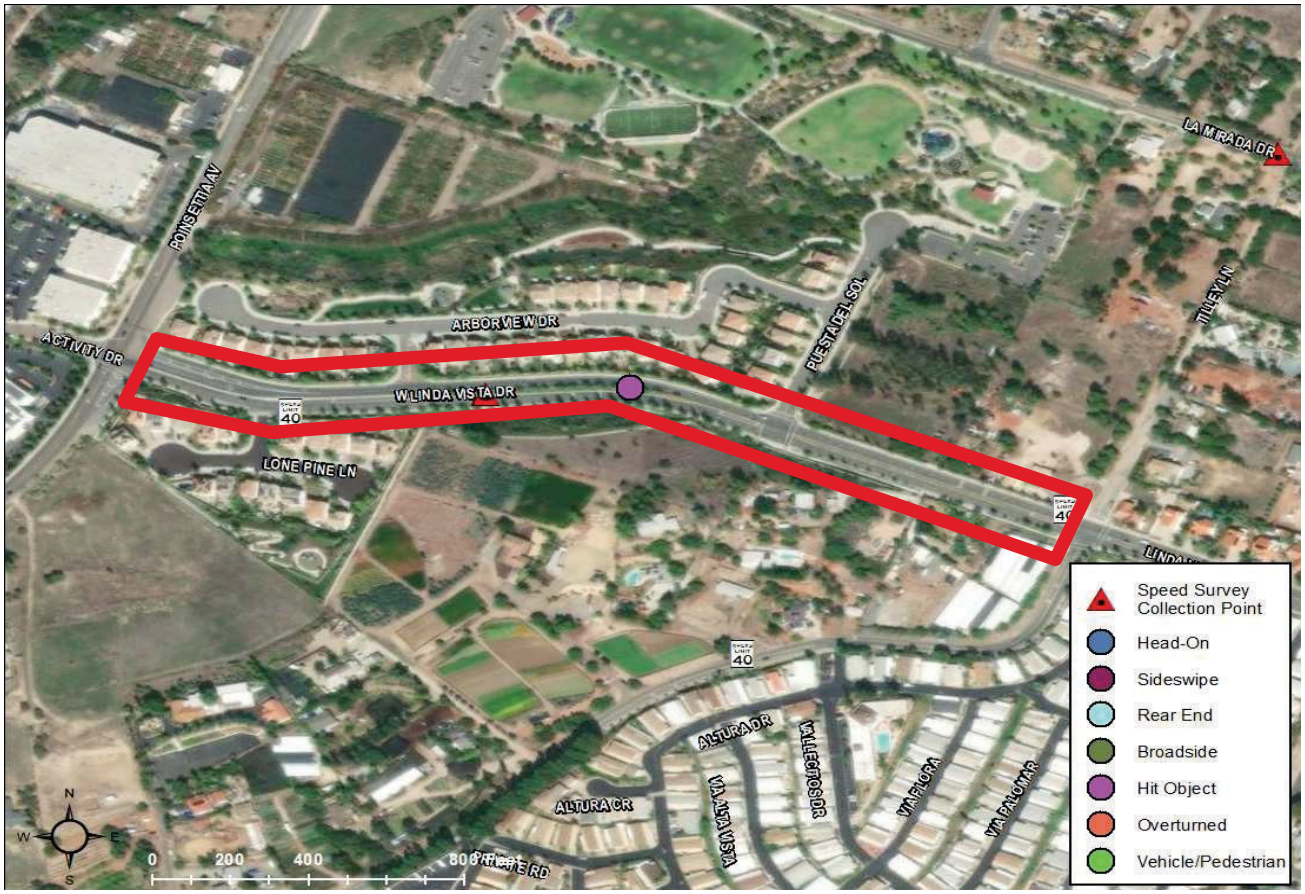
Speed mph	ALL Vehicles
<=10	
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23	
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28	1
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30	
31	2
32	
33	3
34	6
35	9
36	11
37	11
38	13
39	17
40	11
41	6
42	5
43	1
44	2
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46	1
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>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	20 - 46	38 mph	40 mph	33 - 42	92	92%	4% / 4	4% / 4

Roadway	W Linda Vista Drive		
Segment	Poinesttia Ave to Tilley Ln		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	41
Roadway Width (feet)	70	Recommended Speed Limit	35
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.38/0.96
Median	Raised / Center Left Turn Lane	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

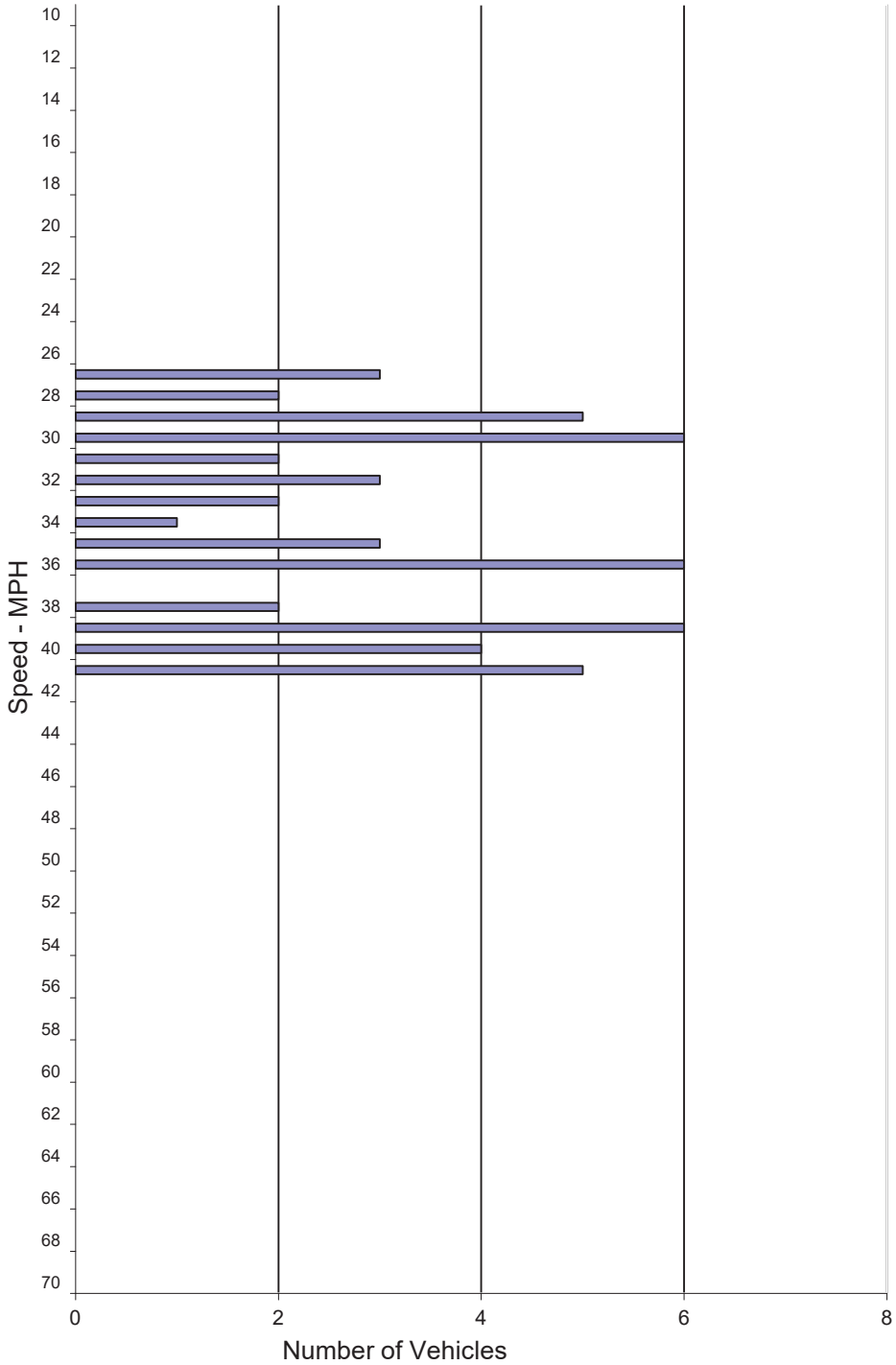
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** W Linda Vista Dr E/O Arborview Dr
TIME: 14:00-15:00 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-056

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
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18	
19	
20	
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22	
23	
24	
25	
26	
27	3
28	2
29	5
30	6
31	2
32	3
33	2
34	1
35	3
36	6
37	
38	2
39	6
40	4
41	5
42	
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63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	27 - 41	35 mph	40 mph	27 - 36	33	66%	0% / 0	34% / 17

Spot Speed Study

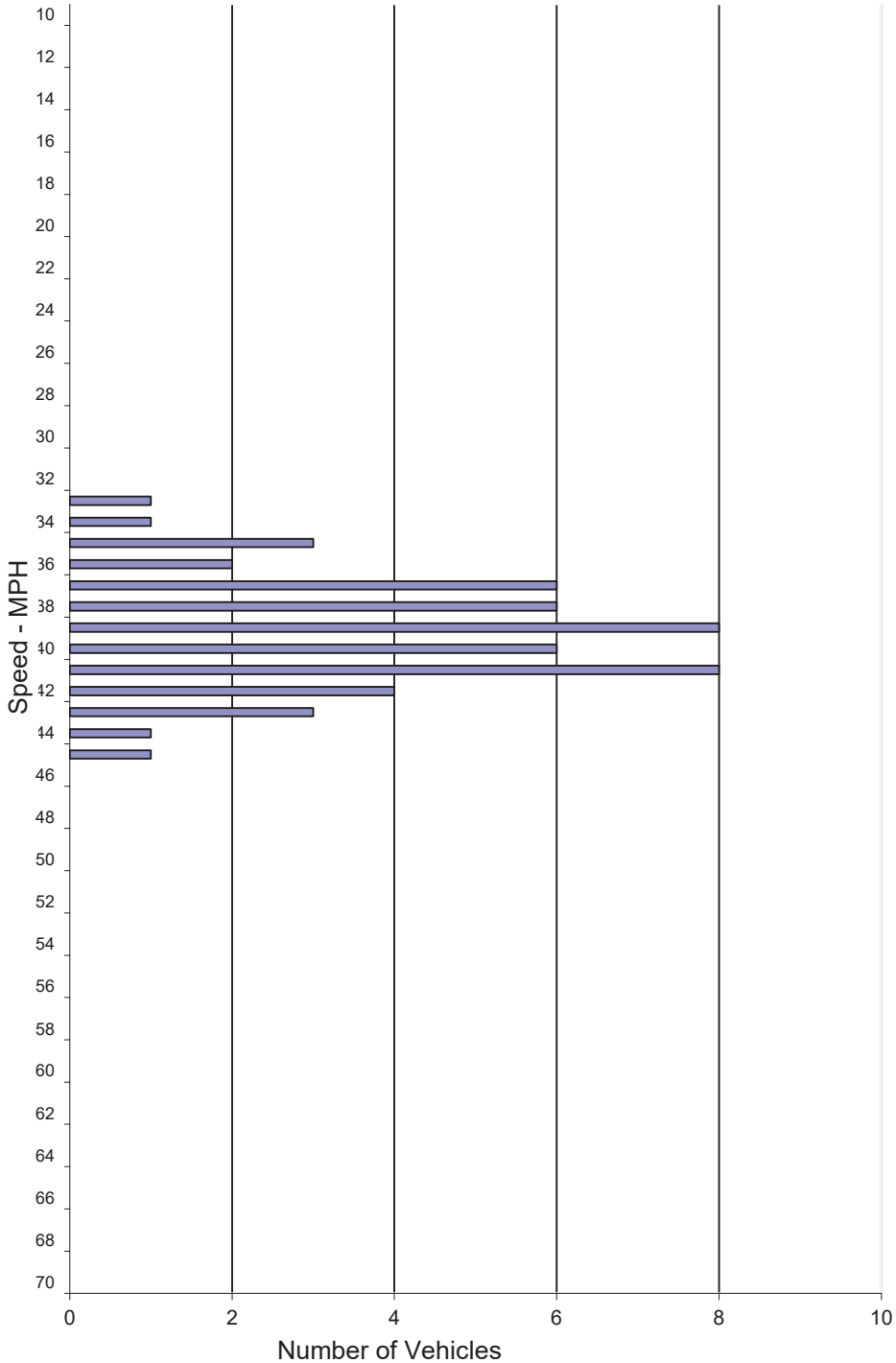
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** W Linda Vista Dr E/O Arborview Dr
TIME: 14:00-15:00 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-056

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
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17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	1
34	1
35	3
36	2
37	6
38	6
39	8
40	6
41	8
42	4
43	3
44	1
45	1
46	
47	
48	
49	
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66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	33 - 45	39 mph	42 mph	34 - 43	47	94%	2% / 1	4% / 2

Spot Speed Study

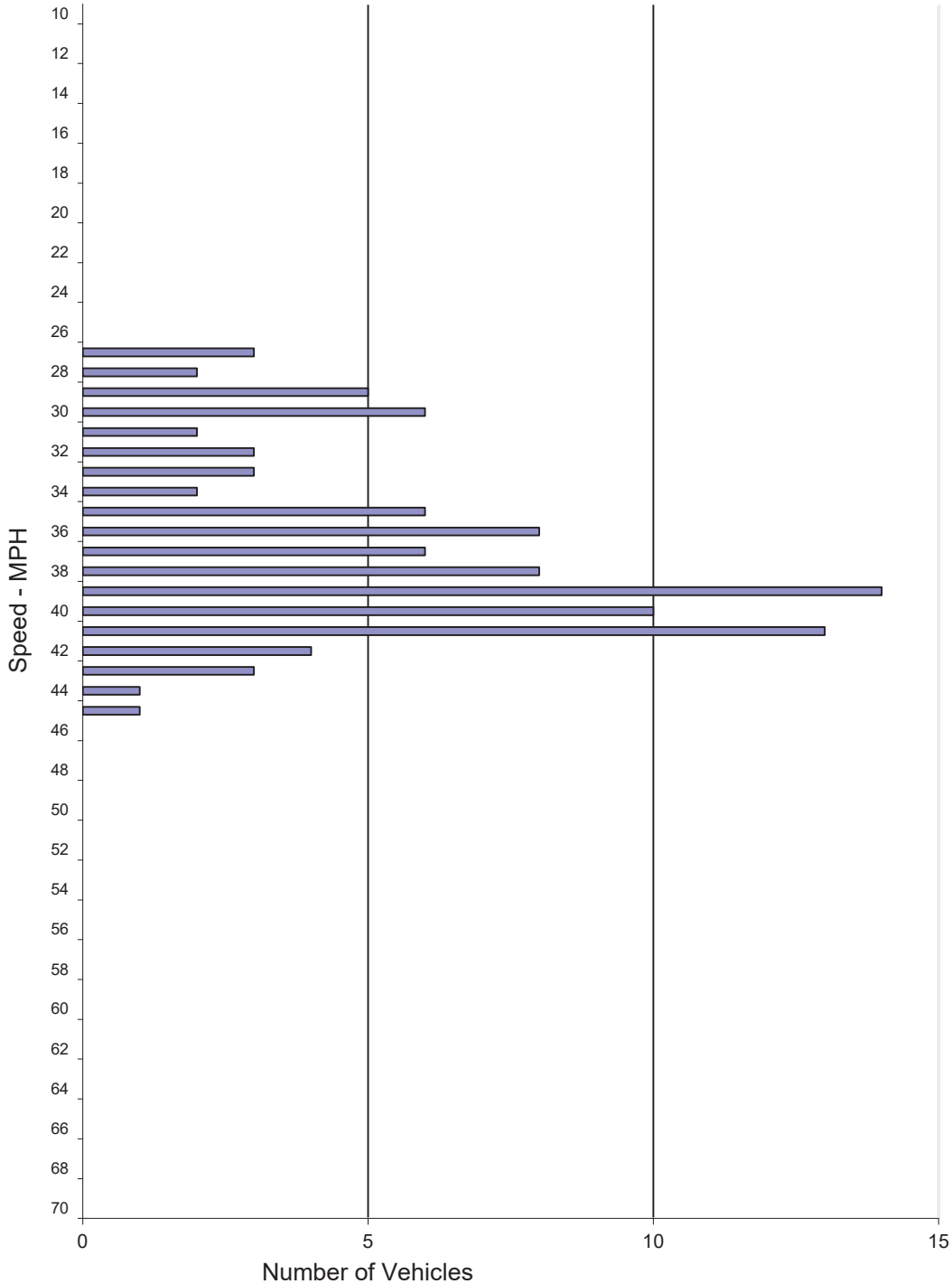
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** W Linda Vista Dr E/O Arborview Dr
TIME: 14:00-15:00 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-056

Eastbound & Westbound Spot Speeds

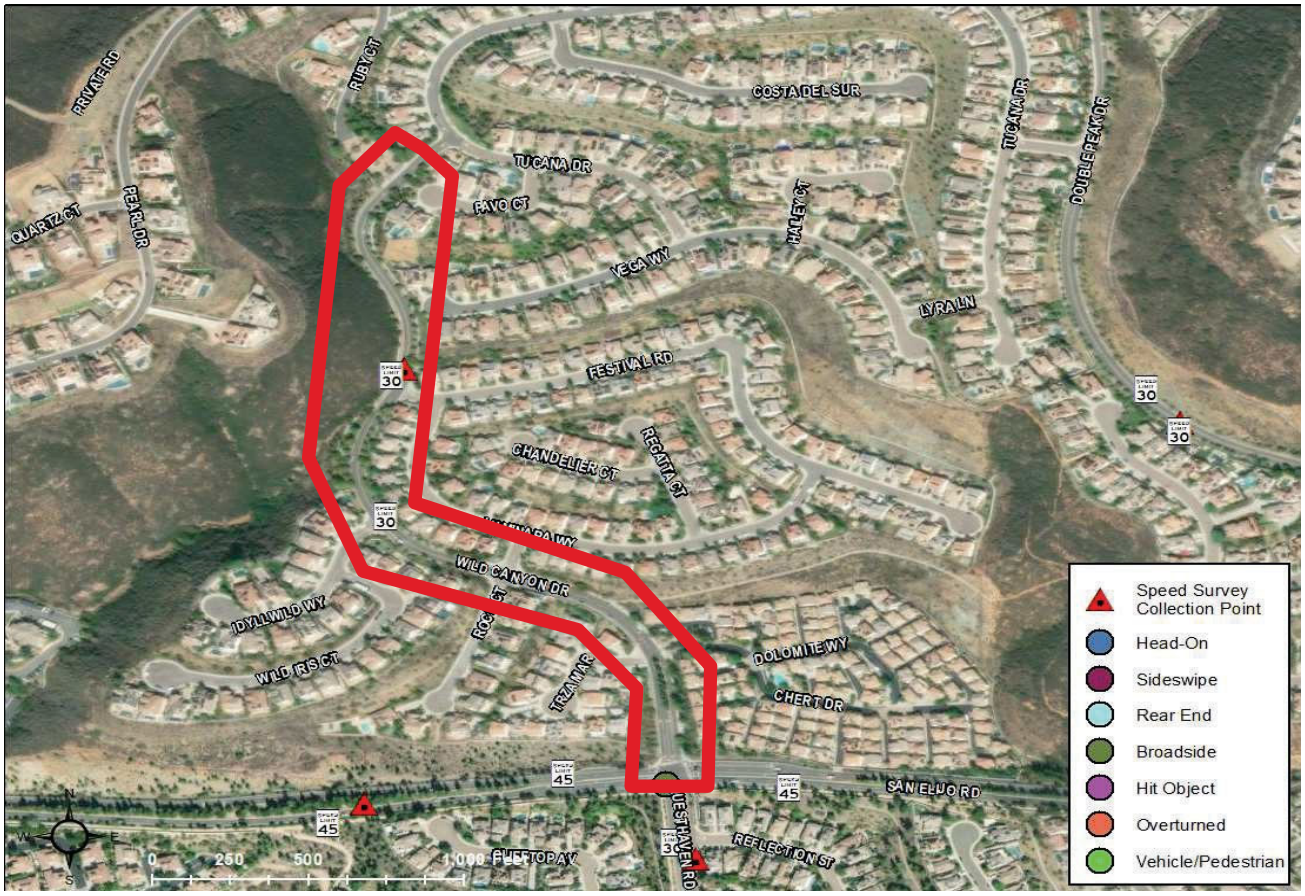
Speed mph	ALL Vehicles
<=10	
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19	
20	
21	
22	
23	
24	
25	
26	
27	3
28	2
29	5
30	6
31	2
32	3
33	3
34	2
35	6
36	8
37	6
38	8
39	14
40	10
41	13
42	4
43	3
44	1
45	1
46	
47	
48	
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60	
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62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	27 - 45	38 mph	41 mph	33 - 42	74	74%	21% / 21	5% / 5

Roadway	Wild Canyon Drive		
Segment	Tucana Dr to San Elijo Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	30
Bicycle Facilities	No	85th Percentile Speed	33
Roadway Width (feet)	36	Recommended Speed Limit	30
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.72/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

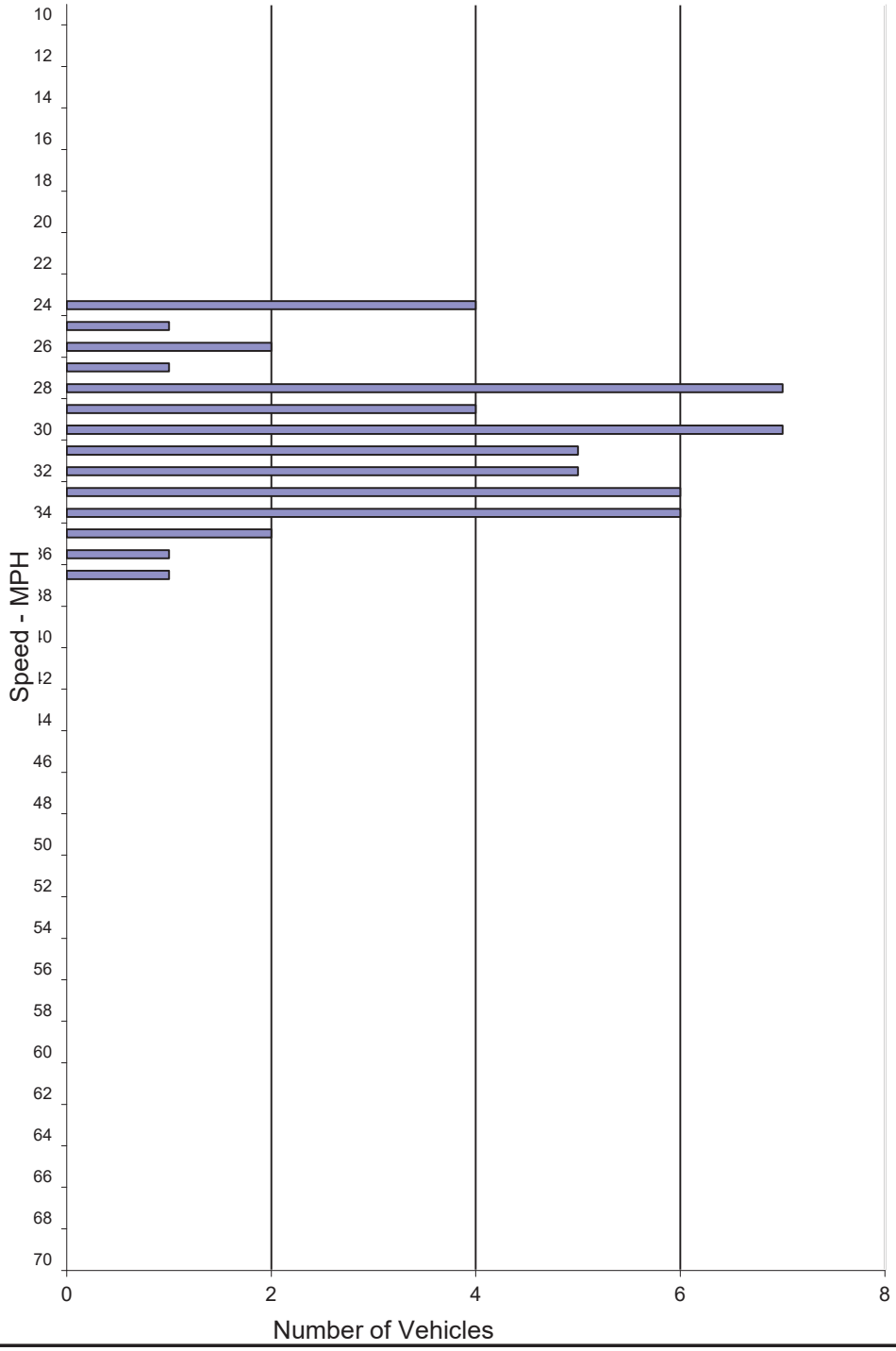
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/23/2023 **Location:** Wild Canyon Dr N/O Festival Rd
TIME: 13:55-15:28 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-009

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	4
25	1
26	2
27	1
28	7
29	4
30	7
31	5
32	5
33	6
34	6
35	2
36	1
37	1
38	
39	
40	
41	
42	
43	
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69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	52	24 - 37	30 mph	34 mph	26 - 35	45	87%	9% / 5	4% / 2

Spot Speed Study

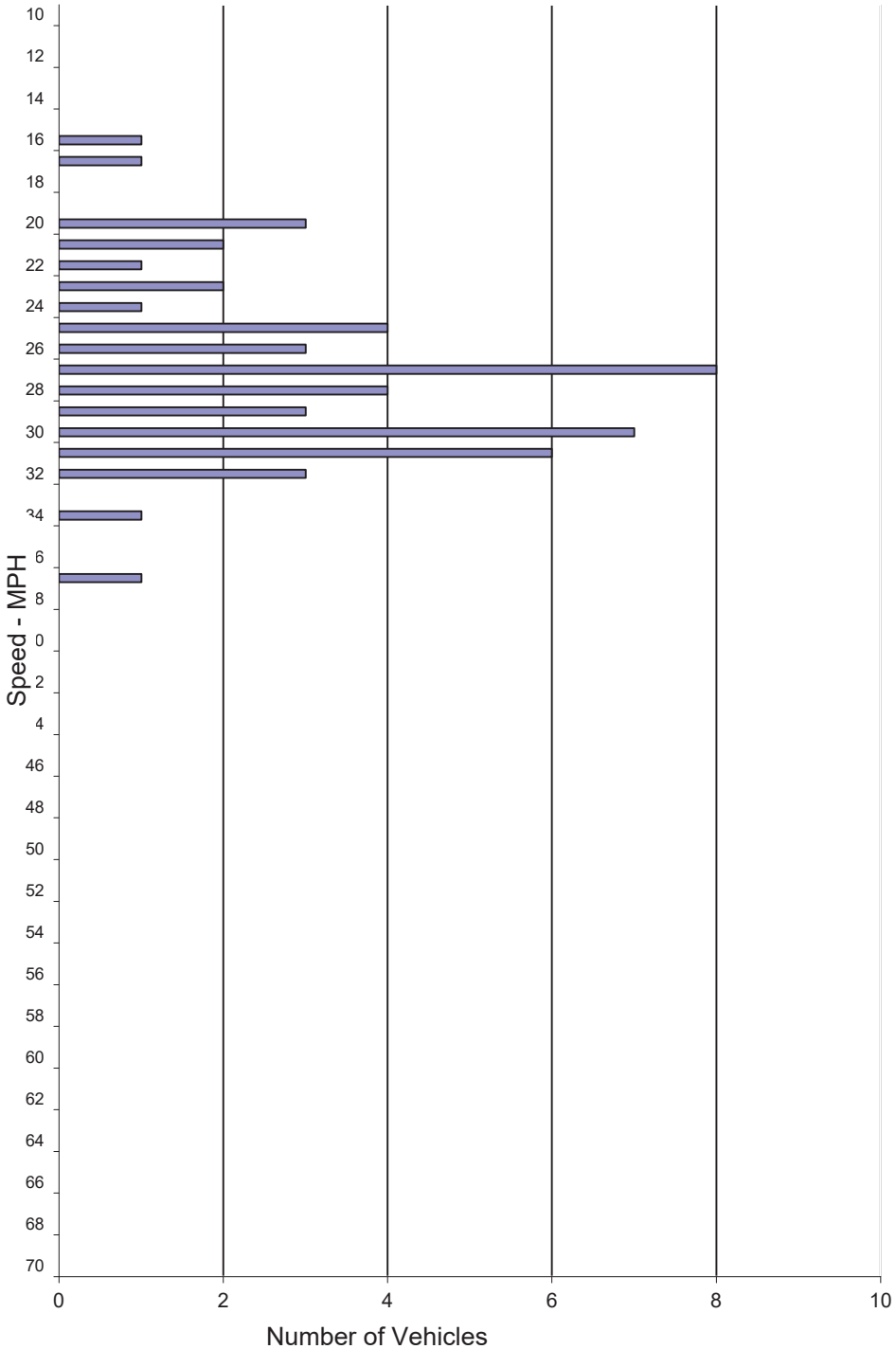
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/23/2023 **Location:** Wild Canyon Dr N/O Festival Rd
TIME: 13:55-15:28 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-009

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	1
17	1
18	
19	
20	3
21	2
22	1
23	2
24	1
25	4
26	3
27	8
28	4
29	3
30	7
31	6
32	3
33	
34	1
35	
36	
37	1
38	
39	
40	
41	
42	
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62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	51	16 - 37	27 mph	31 mph	23 - 32	41	80%	15% / 8	4% / 2

Spot Speed Study

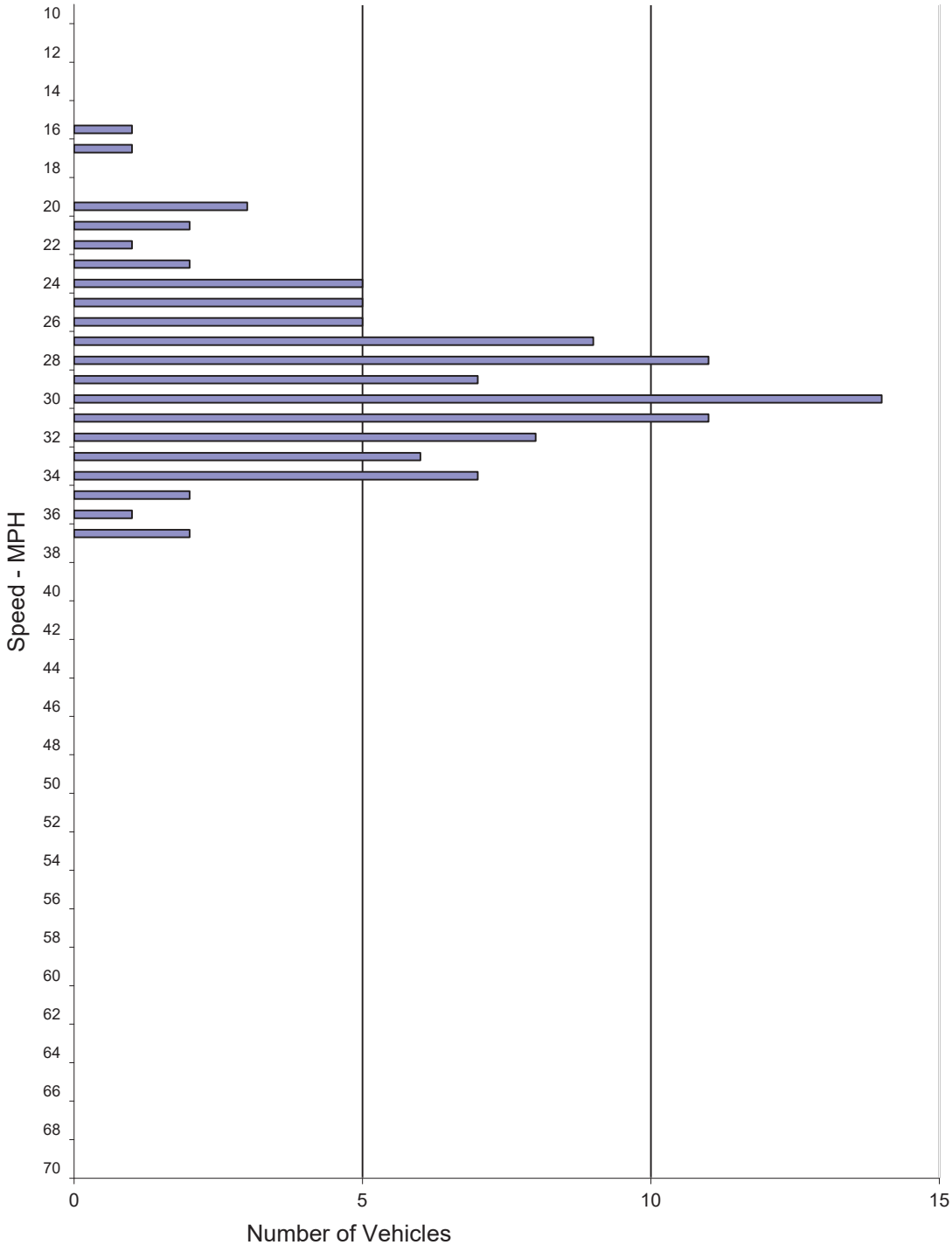
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/23/2023 **Location:** Wild Canyon Dr N/O Festival Rd
TIME: 13:55-15:28 **Posted Speed:** 30 MPH Clear/Dry **Project #:** 23-040001-009

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	1
17	1
18	
19	
20	3
21	2
22	1
23	2
24	5
25	5
26	5
27	9
28	11
29	7
30	14
31	11
32	8
33	6
34	7
35	2
36	1
37	2
38	
39	
40	
41	
42	
43	
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63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	103	16 - 37	29 mph	33 mph	25 - 34	83	81%	14% / 15	5% / 5

Roadway	Woodland Parkway		
Segment	Borden Rd to Mission Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	45
Roadway Width (feet)	70	Recommended Speed Limit	40
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	0.57/0.96
Median	Striped / Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

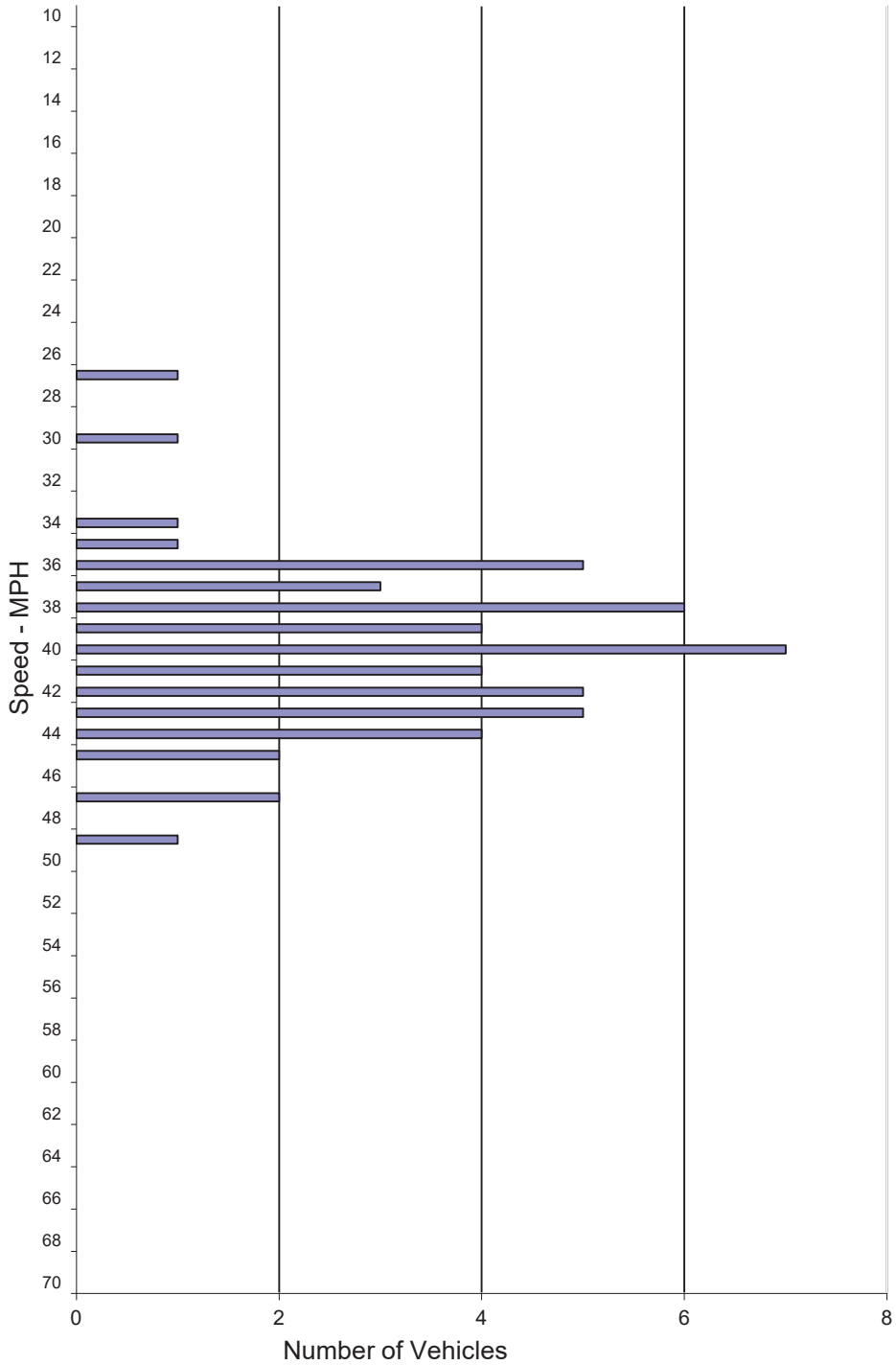
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Woodland Pkwy N/O Harwich Dr
TIME: 09:02-09:29 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-067

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	1
28	
29	
30	1
31	
32	
33	
34	1
35	1
36	5
37	3
38	6
39	4
40	7
41	4
42	5
43	5
44	4
45	2
46	
47	2
48	
49	1
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	52	27 - 49	40 mph	44 mph	36 - 45	45	87%	7% / 4	6% / 3

Spot Speed Study

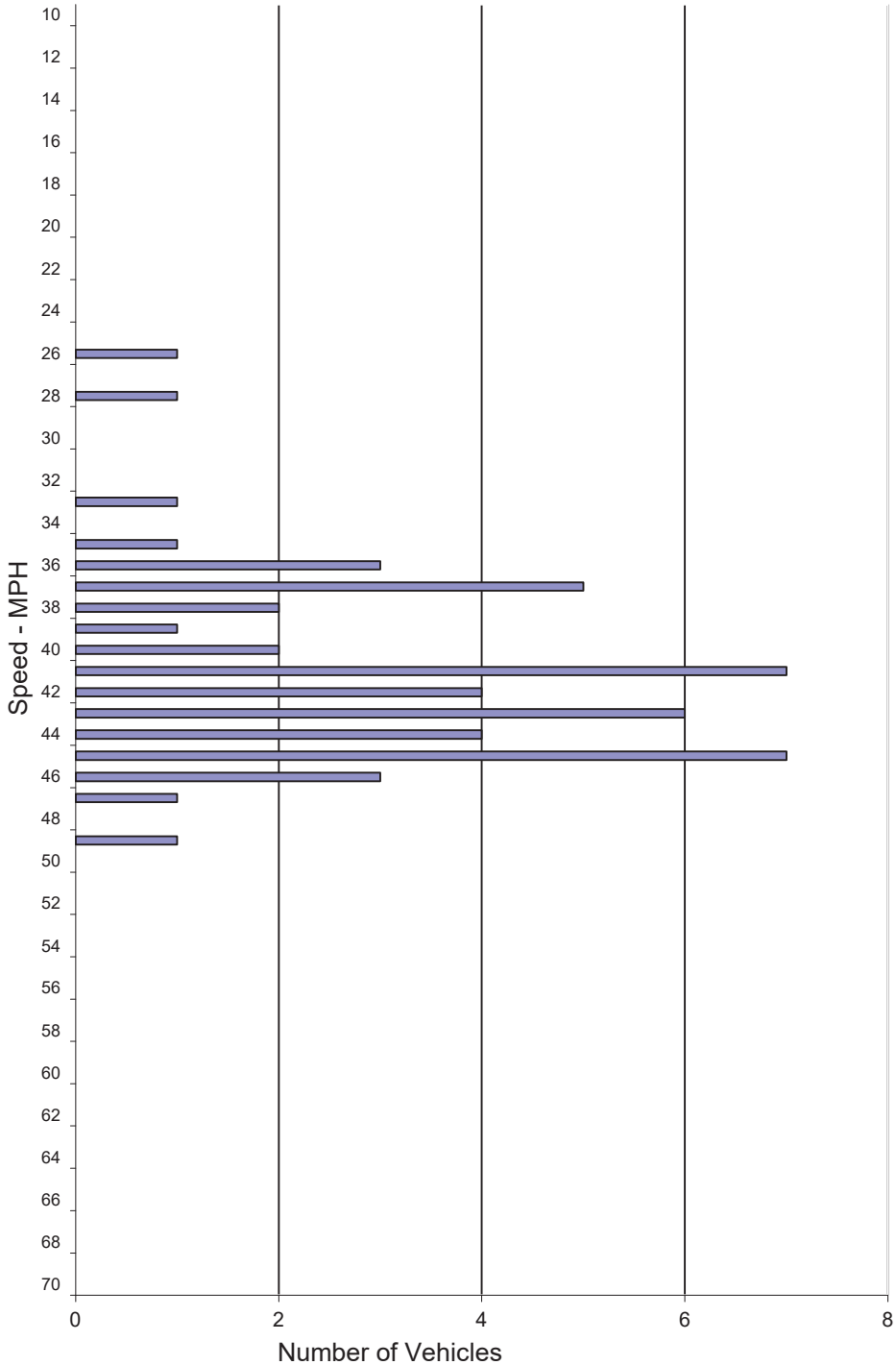
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Woodland Pkwy N/O Harwich Dr
TIME: 09:02-09:29 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-067

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	1
27	
28	1
29	
30	
31	
32	
33	1
34	
35	1
36	3
37	5
38	2
39	1
40	2
41	7
42	4
43	6
44	4
45	7
46	3
47	1
48	
49	1
50	
51	
52	
53	
54	
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59	
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61	
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63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	26 - 49	42 mph	45 mph	36 - 45	41	82%	8% / 4	10% / 5

Spot Speed Study

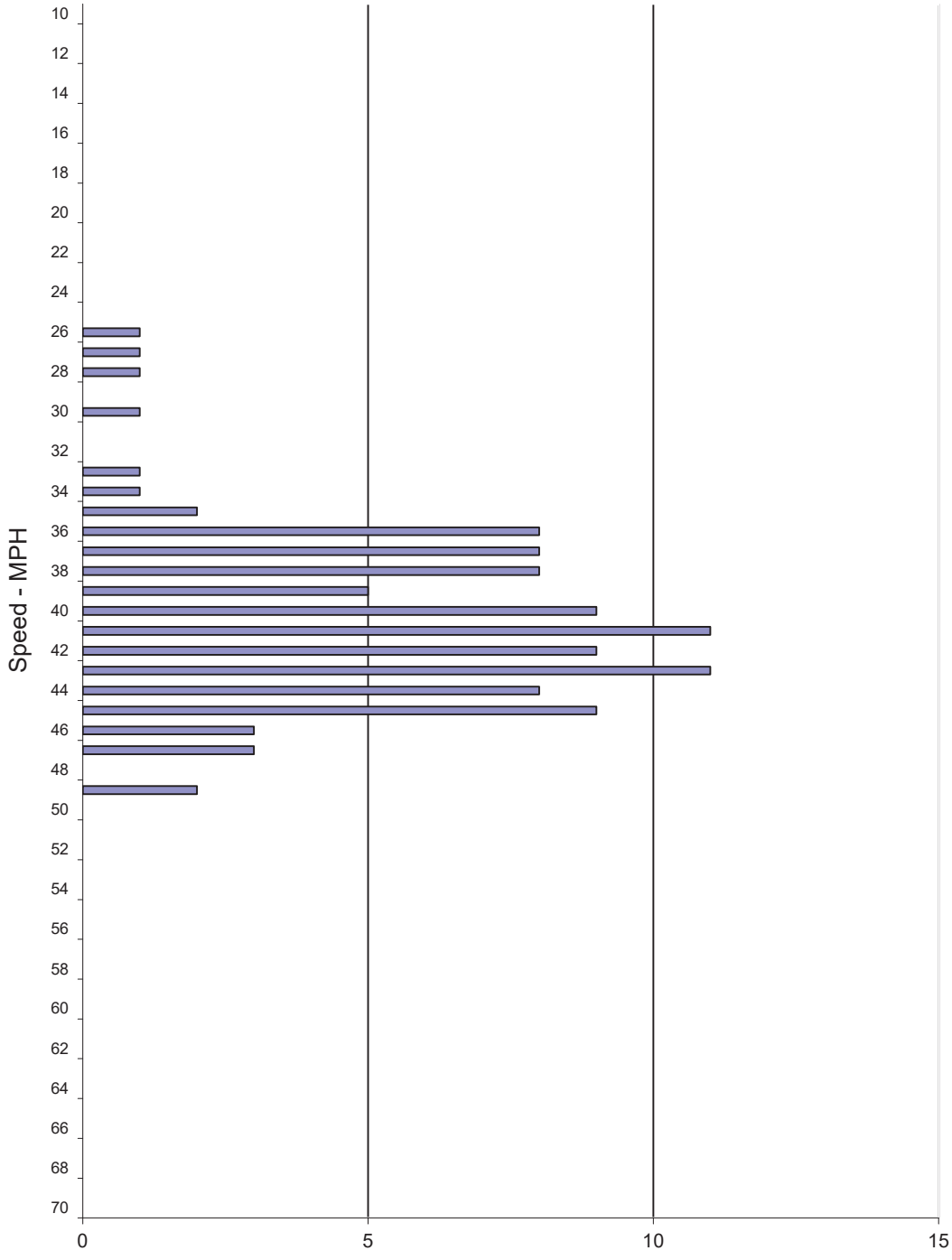
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/27/2023 **Location:** Woodland Pkwy N/O Harwich Dr
TIME: 09:02-09:29 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-067

Northbound & Southbound Spot Speeds

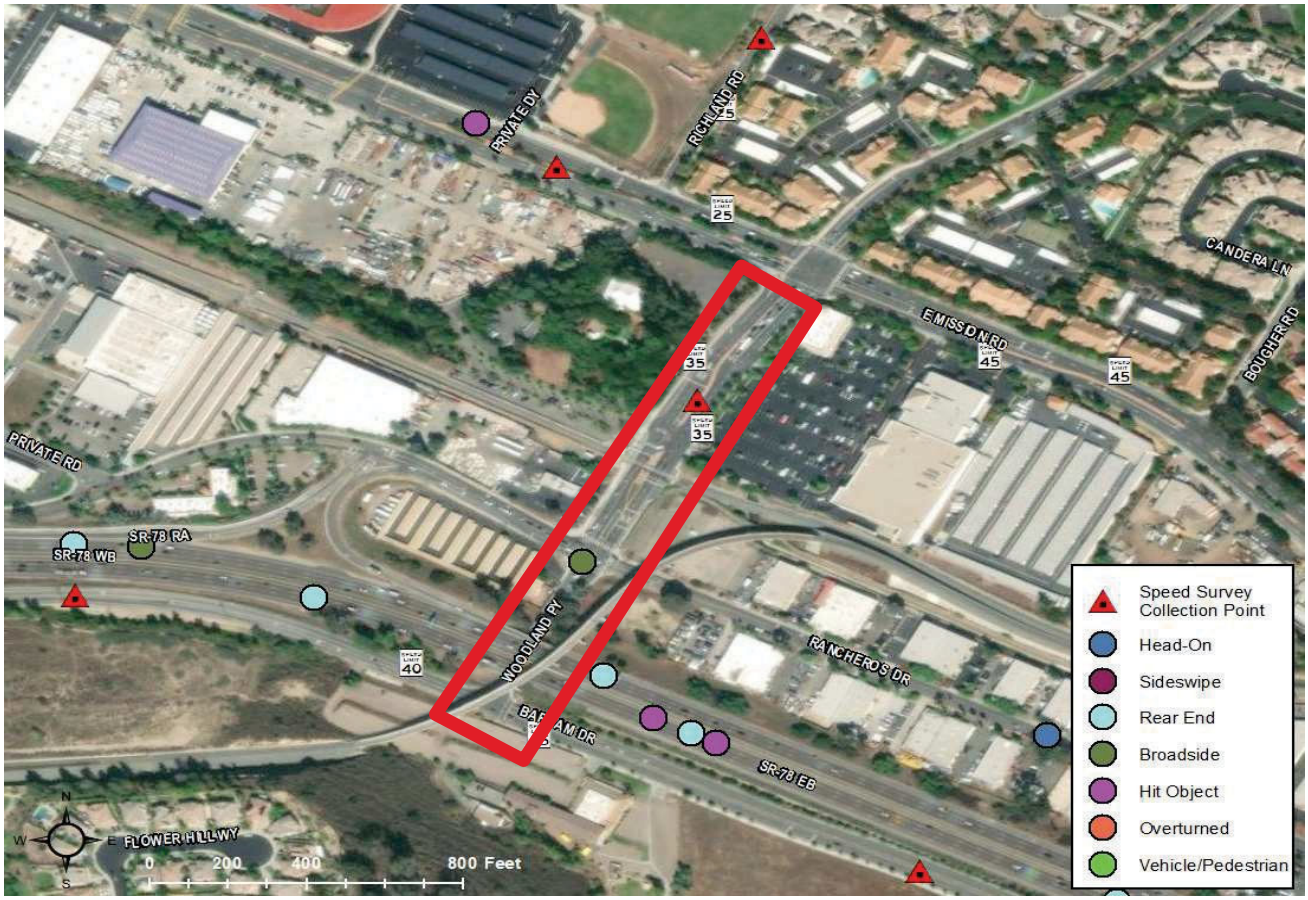
Speed mph	ALL Vehicles
<=10	
11	
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18	
19	
20	
21	
22	
23	
24	
25	
26	1
27	1
28	1
29	
30	1
31	
32	
33	1
34	1
35	2
36	8
37	8
38	8
39	5
40	9
41	11
42	9
43	11
44	8
45	9
46	3
47	3
48	
49	2
50	
51	
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63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	102	26 - 49	41 mph	45 mph	36 - 45	86	84%	7% / 8	8% / 8

Roadway	Woodland Parkway		
Segment	Mission Rd to Barham Dr		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	No	85th Percentile Speed	34
Roadway Width (feet)	105	Recommended Speed Limit	35
No. of Striped Lanes	4	Collision Rate/Statewide Collision Rate*	2.02/0.96
Median	Raised	2019, District 11, Urban, 4 Lanes Divided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

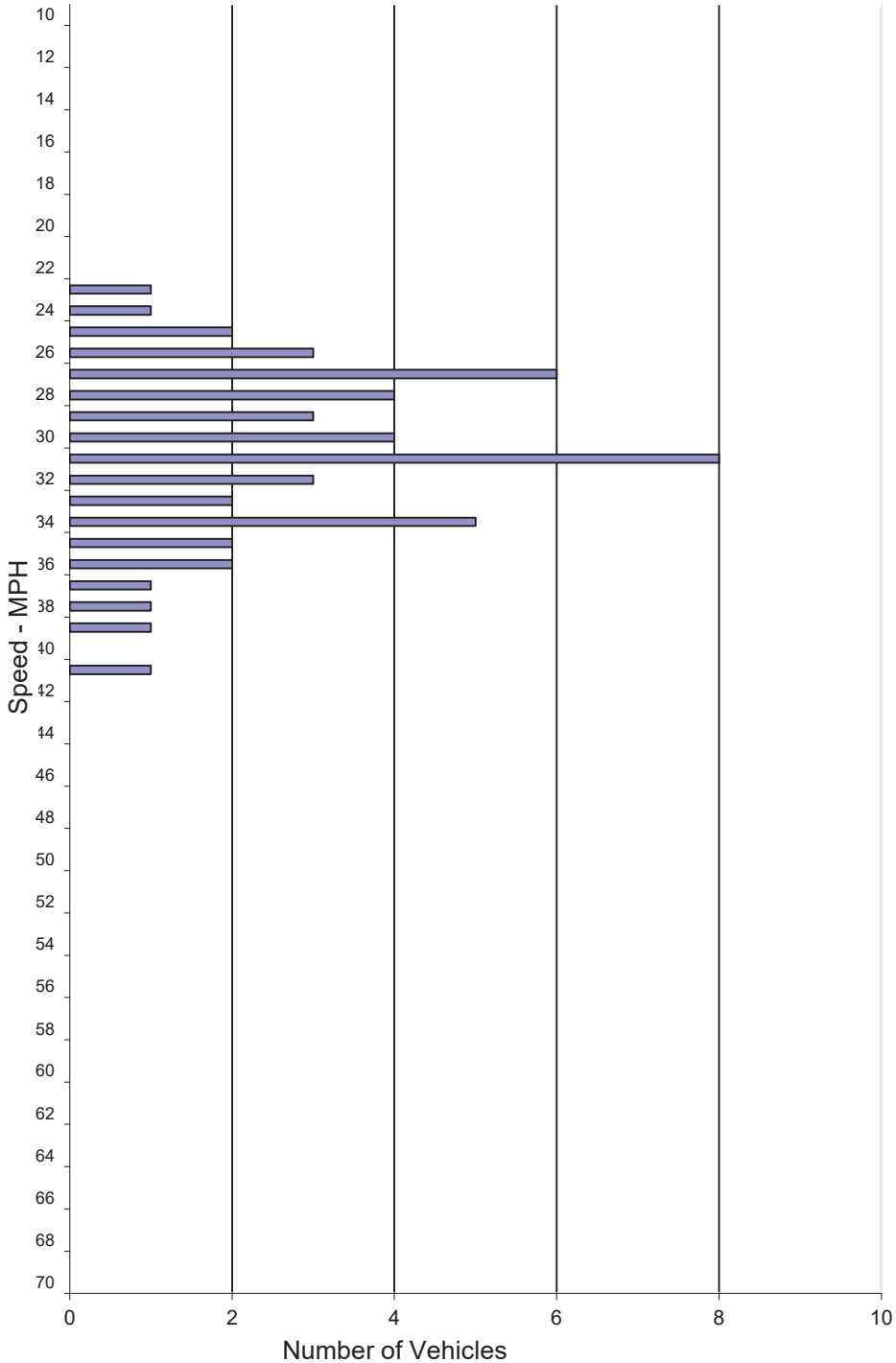
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/18/2023 **Location:** Woodland Pkwy S/O E Mission Rd
TIME: 14:40-15:30 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-068

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	1
24	1
25	2
26	3
27	6
28	4
29	3
30	4
31	8
32	3
33	2
34	5
35	2
36	2
37	1
38	1
39	1
40	
41	1
42	
43	
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68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	23 - 41	31 mph	35 mph	25 - 34	40	80%	4% / 2	16% / 8

Spot Speed Study

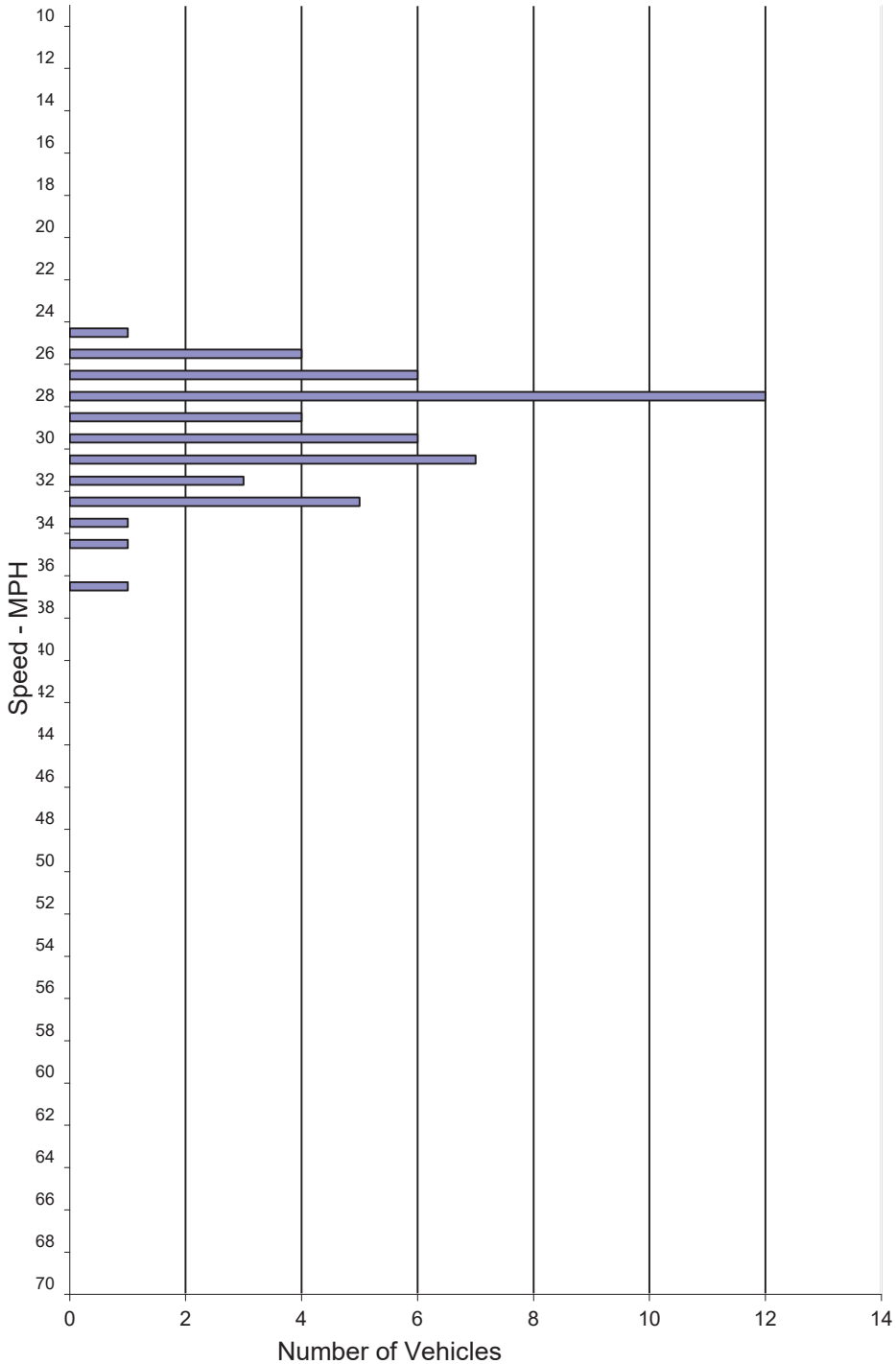
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/18/2023 **Location:** Woodland Pkwy S/O E Mission Rd
TIME: 14:40-15:30 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-068

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	1
26	4
27	6
28	12
29	4
30	6
31	7
32	3
33	5
34	1
35	1
36	
37	1
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	51	25 - 37	29 mph	33 mph	25 - 34	49	96%	0% / 0	4% / 2

Spot Speed Study

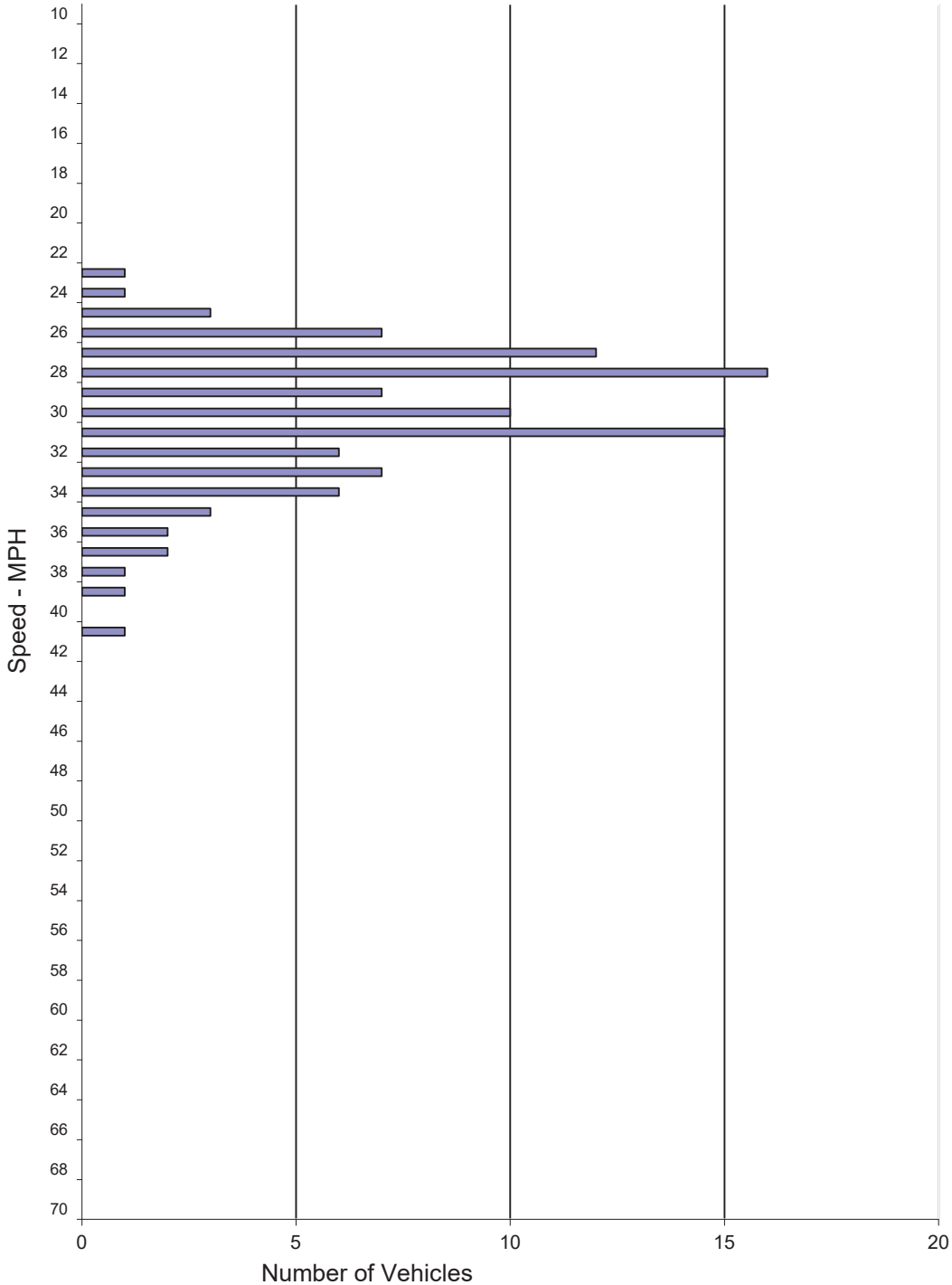
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/18/2023 **Location:** Woodland Pkwy S/O E Mission Rd
TIME: 14:40-15:30 **Posted Speed:** 35 MPH Clear/Dry **Project #:** 23-040001-068

Northbound & Southbound Spot Speeds

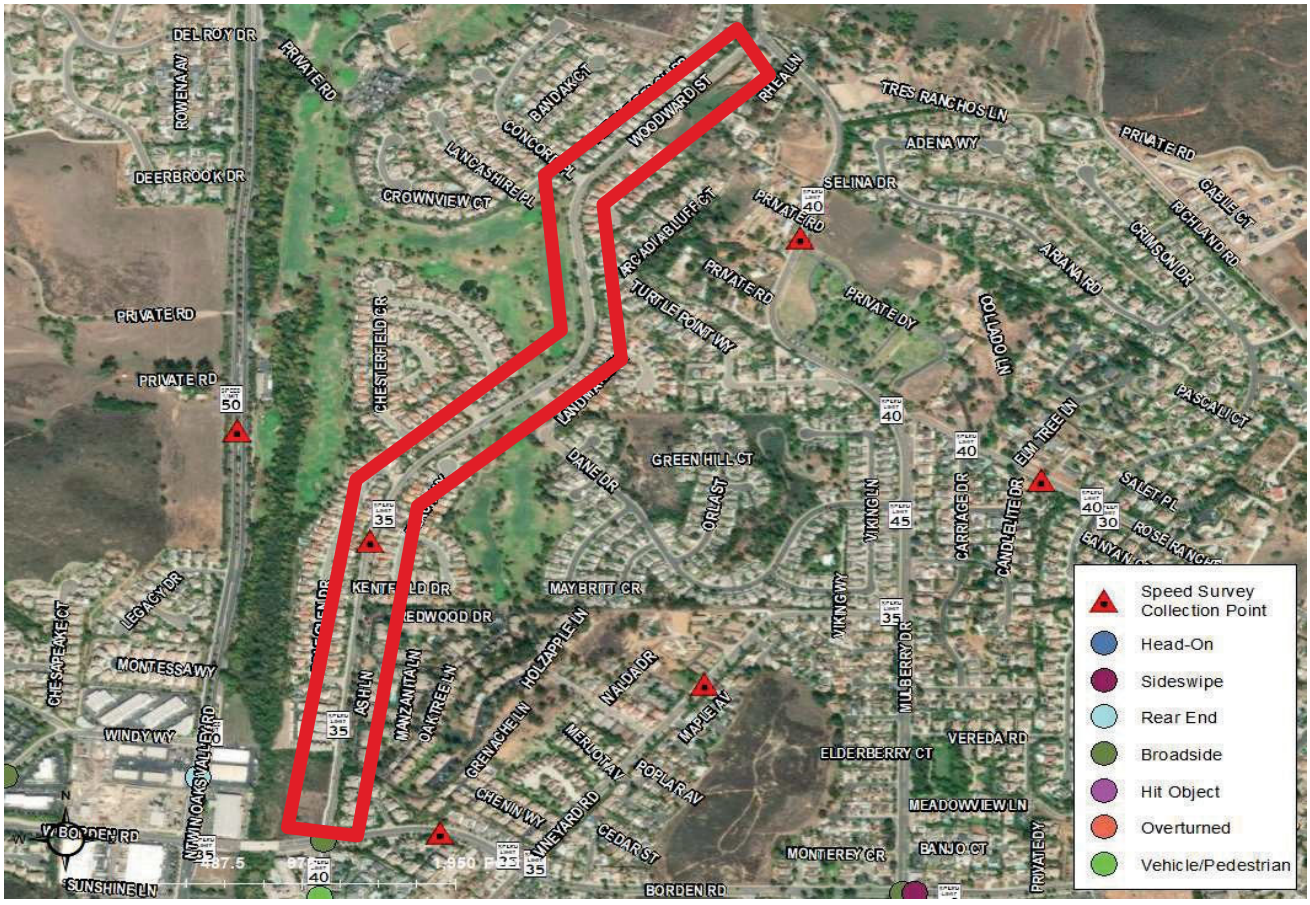
Speed mph	ALL Vehicles
<=10	
11	
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19	
20	
21	
22	
23	1
24	1
25	3
26	7
27	12
28	16
29	7
30	10
31	15
32	6
33	7
34	6
35	3
36	2
37	2
38	1
39	1
40	
41	1
42	
43	
44	
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46	
47	
48	
49	
50	
51	
52	
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67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	101	23 - 41	30 mph	34 mph	25 - 34	89	88%	1% / 2	10% / 10

Roadway	Woodward Street		
Segment	Mulberry Dr to Borden Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	35
Bicycle Facilities	Class II	85th Percentile Speed	42
Roadway Width (feet)	46	Recommended Speed Limit	35
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.27/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Woodward Street **Segment:** Mulberry Dr to Borden Rd

Date/Time: 5/14/2024 10:30 AM - 12:10 PM **Direction:** North-South

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50	X	1%	100%
	X	1%	99%
	X X X X X	5%	98%
45			
	X X	2%	93%
	X X X X X X	6%	91%
	X X X X X X X X X	9%	85%
	X X X X X X	6%	76%
40	X X X X X X X X X	9%	70%
	X X X X	4%	61%
	X X X X X X X X	8%	57%
	X X X X X X X X X	9%	49%
	X X X X X X X X X X X	11%	40%
35	X X X X X X X	7%	29%
	X X X X	4%	22%
	X X X X X	5%	18%
	X X X X X	5%	13%
	X X	2%	8%
30	X X X	3%	6%
	X	1%	3%
	X X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		100	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
100	38 mph	42 mph	34-43 mph	73	73%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Woodward Street **Segment:** Mulberry Dr to Borden Rd

Date/Time: 5/14/2024 10:30 AM - 12:10 PM **Direction:** North

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50	X	2%	100%
	X	2%	98%
	X X	4%	96%
45			
	X	2%	92%
	X X	4%	90%
	X X X X	8%	86%
	X X X X	8%	78%
40	X X X X	8%	70%
	X	2%	62%
	X X X	6%	60%
	X X X	6%	54%
	X X X X X X	12%	48%
35	X X X X X	10%	36%
	X	2%	26%
	X X	4%	24%
	X X X X	8%	20%
	X X	4%	12%
30	X X	4%	8%
	X	2%	4%
	X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	37 mph	42 mph	35-43 mph	33	66%

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Street: Woodward Street **Segment:** Mulberry Dr to Borden Rd

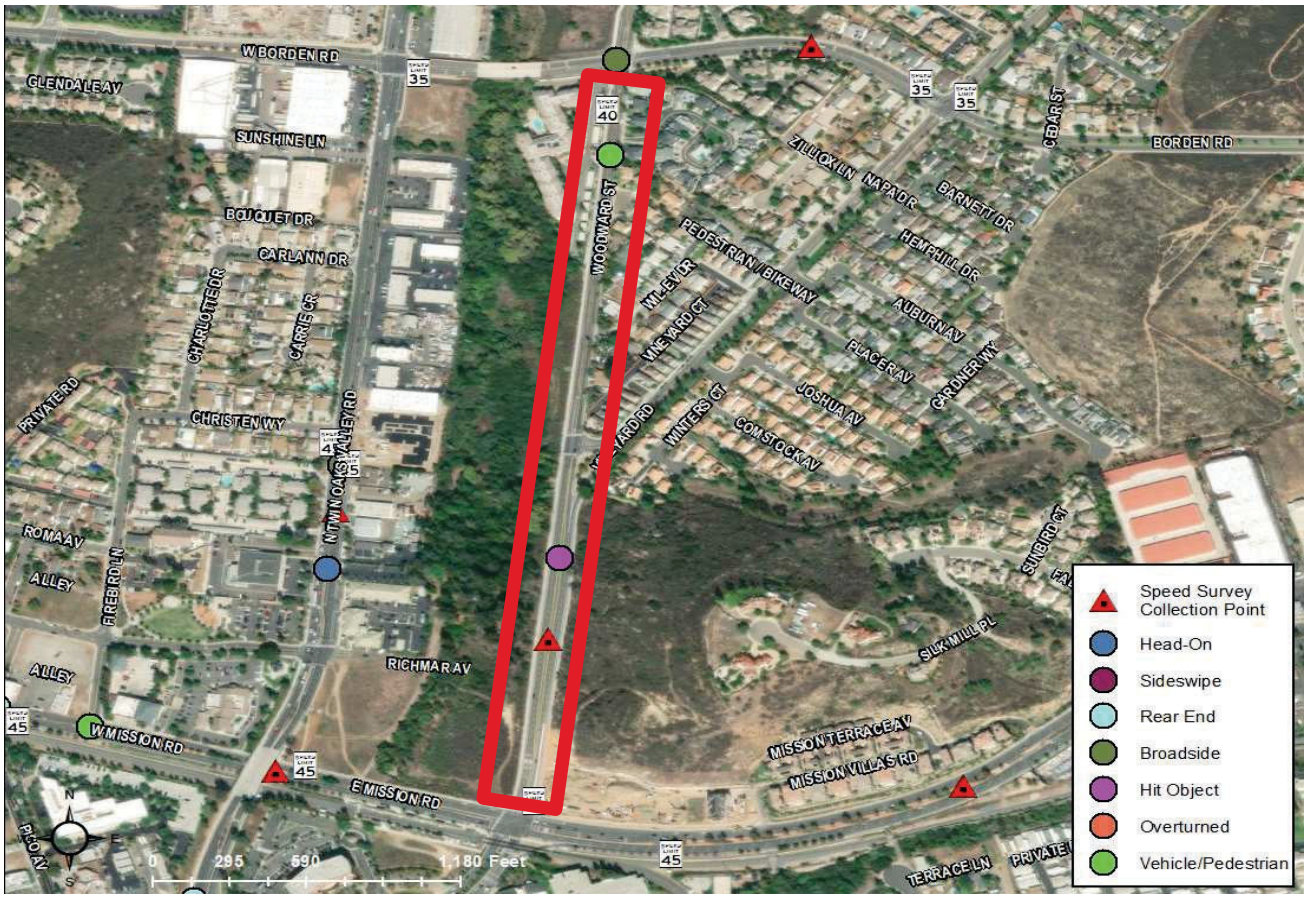
Date/Time: 5/14/2024 10:30 AM - 12:10 PM **Direction:** South

MPH	NUMBER OF VEHICLES (1 5 10 15 20 25 30)	PERCENT OF TOTAL	CUMULATIVE PERCENTAGE
65			
60			
55			
50			
	XXX	6%	100%
45			
	X	2%	94%
	XXXX	8%	92%
	XXXXX	10%	84%
	XX	4%	74%
40	XXXXX	10%	70%
	XXX	6%	60%
	XXXXX	10%	54%
	XXXXXX	12%	44%
	XXXXX	10%	32%
35	XX	4%	22%
	XXX	6%	18%
	XXX	6%	12%
	X	2%	6%
30	X	2%	4%
	X	2%	2%
25			
20			
15			
TOTAL NUMBER OF VEHICLES		50	

Count	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	% in Pace
50	38 mph	43 mph	34-43 mph	40	80%

Roadway	Woodward Street		
Segment	Borden Rd to Mission Rd		
Pedestrian Facilities	Yes	Posted Speed Limit	40
Bicycle Facilities	Class II	85th Percentile Speed	44
Roadway Width (feet)	46	Recommended Speed Limit	40
No. of Striped Lanes	2	Collision Rate/Statewide Collision Rate*	0.89/1.33
Median	Striped	2019, District 11, Urban, 2 and 3 Lanes Undivided	

*Rate = Accidents/Million Vehicle Miles



Spot Speed Study

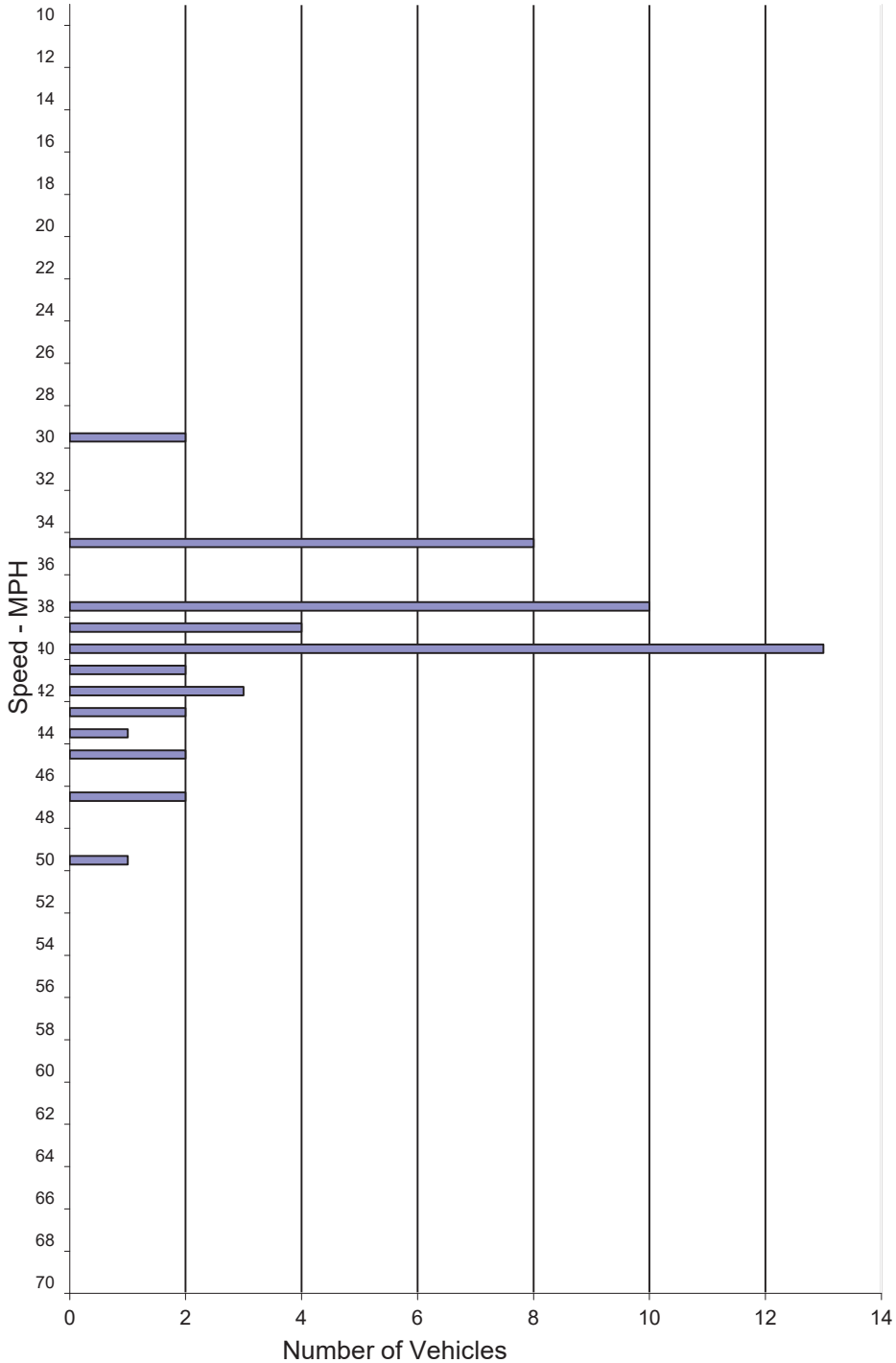
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** Woodward St N/O E Mission Rd
TIME: 13:00-13:25 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-031

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	2
31	
32	
33	
34	
35	8
36	
37	
38	10
39	4
40	13
41	2
42	3
43	2
44	1
45	2
46	
47	2
48	
49	
50	1
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	30 - 50	40 mph	43 mph	35 - 44	43	86%	4% / 2	10% / 5

Spot Speed Study

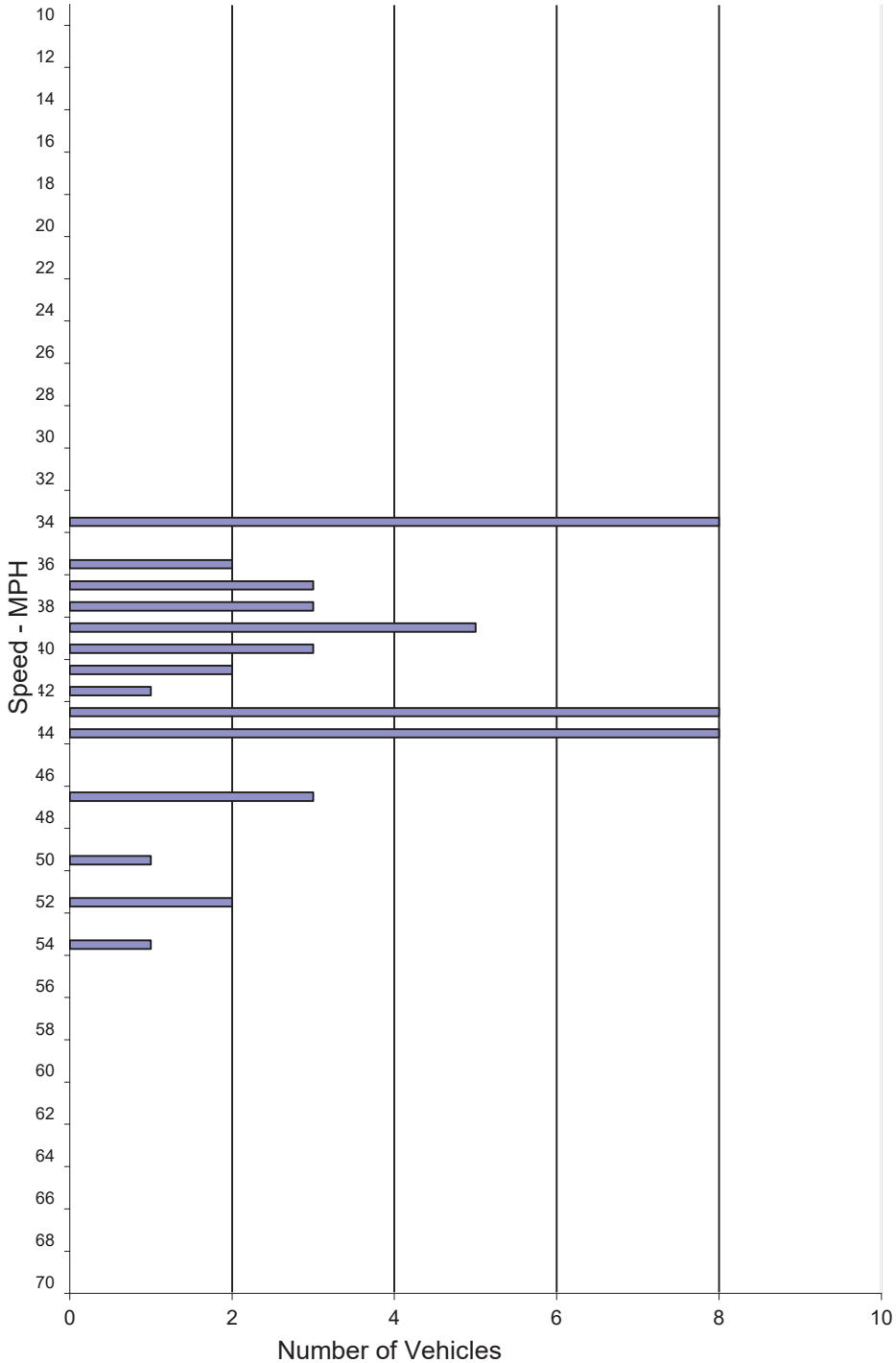
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** Woodward St N/O E Mission Rd
TIME: 13:00-13:25 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-031

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	8
35	
36	2
37	3
38	3
39	5
40	3
41	2
42	1
43	8
44	8
45	
46	
47	3
48	
49	
50	1
51	
52	2
53	
54	1
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	50	34 - 54	41 mph	44 mph	34 - 43	35	70%	0% / 0	30% / 15

Spot Speed Study

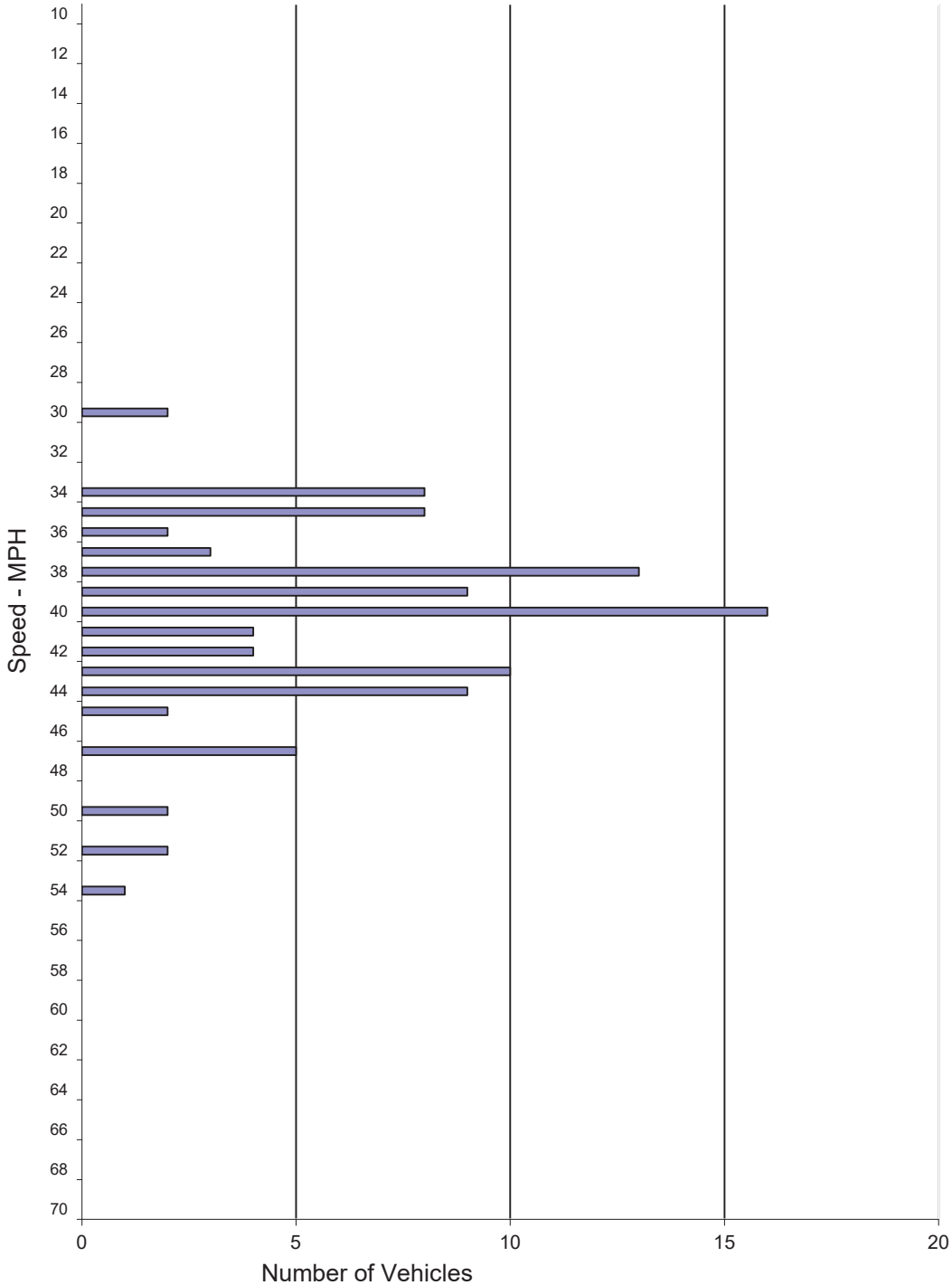
Prepared by: National Data & Surveying Services

City of San Marcos

DATE: 1/21/2023 **Location:** Woodward St N/O E Mission Rd
TIME: 13:00-13:25 **Posted Speed:** 40 MPH Clear/Dry **Project #:** 23-040001-031

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	2
31	
32	
33	
34	8
35	8
36	2
37	3
38	13
39	9
40	16
41	4
42	4
43	10
44	9
45	2
46	
47	5
48	
49	
50	2
51	
52	2
53	
54	1
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	30 - 54	40 mph	44 mph	35 - 44	78	78%	10% / 10	12% / 12