



**CITY OF NATIONAL CITY
ENGINEERING & TRAFFIC SURVEY**

Radar Enforceable? YES

Street:	Sweetwater Road		
From:	I-805 / Euclid Avenue	To:	Valley Road

Date of Speed Survey:	10/12/2022
Critical Speed (85th)	46 MPH
50 Percentile	42 MPH
Existing Posted Speed Limit	45 MPH
10 MPH Pace	37-46 MPH
Percent in Pace	82%

Street Classification:	Arterial
Length of Street Segment:	0.51 Miles
Average Daily Traffic:	19,589
Total Accidents:	9
Evaluation Period:	January 1, 2017 – December 31, 2019
Accident Rate (MVM):	0.82
California Statewide Accidents Rate (MVM):	1.15

Justification: When the nearest 5 mph increment of the 85th-percentile speed would require a rounding down, the speed may be reduced by 5 mph from the nearest 5 mph increment of the 85th-percentile speed (CVC 22358.6(b); CAMUTCD Section 2B.13, Standard 12a, Option 1) - CVC 627(c)(2); CA-MUTCD Section 2B.13, Option 29B (safety of bicyclists and pedestrians, vulnerable pedestrian groups – bus stop and no sidewalk).

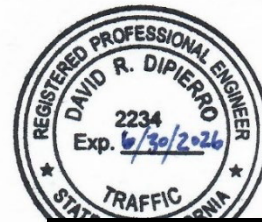
TRAFFIC ENGINEER’S RECOMMENDATIONS/AUTHORITY:

Posted Speed Limit: **40 MPH**

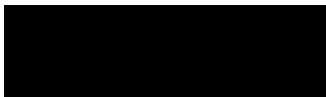
This survey was prepared in accordance with the requirements of Section 627 of the California Vehicle Code using methods prescribed in Section 2B.13 of the California Manual on Uniform Traffic Control Devices. Based on the measured critical speeds, it is appropriate and justified to recommend the posted speed limit be 40 MPH along the subject segment of the road.

APPROVALS:

- Recertification of the existing speed zone per Sections 22357, 22358, and 40802 of the California Vehicle Code
- Establishment of new speed zone

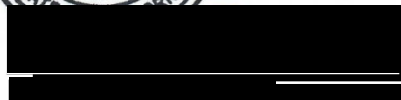


APPROVED:



STC Traffic, Inc.

DATE: October 17, 2024





**CITY OF NATIONAL CITY
ENGINEERING & TRAFFIC SURVEY**

Radar Enforceable? YES

Street:	Sweetwater Road		
From:	Valley Road	To:	Plaza Bonita Road

Date of Speed Survey:	10/12/2022
Critical Speed (85th)	46 MPH
50 Percentile	41 MPH
Existing Posted Speed Limit	45 MPH
10 MPH Pace	37-46 MPH
Percent in Pace	69%

Street Classification:	Arterial
Length of Street Segment:	0.24 Miles
Average Daily Traffic:	16,546
Total Accidents:	3
Evaluation Period:	January 1, 2017 – December 31, 2019
Accident Rate (MVM):	0.69
California Statewide Accidents Rate (MVM):	1.15

Justification: When the nearest 5 mph increment of the 85th-percentile speed would require a rounding down, the speed may be reduced by 5 mph from the nearest 5 mph increment of the 85th-percentile speed (CVC 22358.6(b); CAMUTCD Section 2B.13, Standard 12a, Option 1) - CVC 627(c)(2); CA-MUTCD Section 2B.13, Option 29B (safety of bicyclists and pedestrians, vulnerable pedestrian groups – bus stop and no sidewalk).

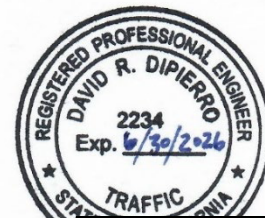
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APPROVALS:

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- Establishment of new speed zone



APPROVED:



David DiPierro, TE
STC Traffic, Inc.

DATE: October 17, 2024

