

**MOORPARK CITY COUNCIL
AGENDA REPORT**

TO: Honorable City Council

FROM: Dave Klotzle, City Engineer/Public Works Director 

DATE: December 10, 2013 (CC Meeting of 12/18/2013)

SUBJECT: Consider Resolution Rescinding Resolution No. 2008-2702 and Resolution No. 2008-2745 and Adopting the September 2013 Engineering and Traffic Survey and Approving Speed Limits and Posting of Speed Limit Signs on Certain Street Segments Identified in Said Survey

BACKGROUND

On August 16, 2006, the City Council adopted Resolution No. 2006-2511 approving speed limits and the posting of speed limit signs on certain roadway segments within the City based on an Engineering and Traffic Survey for Speed Limits prepared in August 2006. On April 2, 2008, the City Council adopted Resolution No. 2008-2702 approving speed limits and the posting of speed limit signs on the newly opened segment of Spring Road from Walnut Canyon Road to Charles Street based on an Engineering and Traffic Survey for Speed Limits prepared for that segment of Spring Road.

On September 3, 2008, the City Council adopted Resolution No. 2008-2745 rescinding Resolution No. 2006-2511 and approving speed limits and the posting of speed limit signs on certain roadway segments within the City. The purpose of Resolution No. 2008-2745 was to revise the posted speed limit on Championship Drive from 40 miles per hour (mph) to 45 mph. The speed limit was posted at 40 mph based on the August 2006 Engineering and Traffic Survey for Speed Limits recommendation due to the curving roadway conditions. On June 25, 2008, the Superior Court of California, County of Ventura, dismissed a charge of speeding in the case of People v. Gaiter, finding that the roadway conditions on Championship Drive are readily apparent to drivers and the posted speed limit should be 45 mph which is at the nearest 5 mph increment of the 85th percentile speed of 45.1 mph listed in the August 2006 Engineering and Traffic Survey for Speed Limits.

Section 40802 of the California Vehicle Code (CVC) requires, as a prerequisite to the enforcement of any speed law with radar, the preparation and adoption of an

Engineering and Traffic Survey for Speed Limits. The City recently retained Hartzog and Crabill, Inc. to prepare an Engineering and Traffic Survey for Speed Limits for fifty-one roadway segments within the City.

DISCUSSION

The proposed resolution (Attachment 1) rescinds the previous resolutions approving speed limits, and approves current speed limits and the posting of speed limit signs based on the September 2013 Engineering and Traffic Survey for Speed Limits (Exhibit "A" of the proposed resolution). The survey sets forth a list of the street segments surveyed, along with the recommended speed limit for each segment. Most of the recommended speed limits remain unchanged from the current posted speed limits with the exception of those described in the table below.

As stated in the September 2013 Engineering and Traffic Survey for Speed Limits, in order to employ radar enforcement, the posted speed limit for any street should be established at the nearest 5 mph increment at or below the 85th percentile speed (the speed at which eighty-five percent of the vehicles surveyed travel). However, the speed limit may be further reduced by 5 mph based on certain roadway conditions that comply with CVC requirements.

The proposed resolution includes three new street segments which were not included in the previous resolutions. The resolution also includes the recommendation to post a speed limit on Gabbert Road which was unposted at the time of the recent survey, as well as increasing the speed limit on Peach Hill Road between Spring Road and Mesa Verde Drive from 35 mph to 40 mph. The increased speed limit is due to the fact that the surveyed 85th percentile speed was 42.9 mph and the nearest 5 mph increment below the surveyed speed is 40 mph. After investigating the roadway conditions on this section of Peach Hill Road including the sag in the road at Mill Valley Road, and the seven residential homes with driveways on Peach Hill Road, Hartzog and Crabill determined that keeping the posted speed limit at 35 mph would not comply with the CVC requirements for radar enforcement of speed laws. Therefore, it is recommended to increase the speed limit on Peach Hill Road between Spring Road and Mesa Verde Drive from 35 mph to 40 mph. The speed limit changes recommended in the September 2013 Engineering and Traffic Survey for Speed Limits are summarized in the following table.

Street Segment	Current Speed Limit (mph)	85th % Survey Speed (mph)	Recommended Speed Limit (mph)
Elk Run Loop - new	not posted	39.4	35
Meridian Hills Drive - new	not posted	34.3	30
Ridgecrest Drive - new	not posted	38.9	35
Gabbert Road	not posted	35.7	30
Peach Hill Rd. - Spring Rd. to Mesa Verde Dr.	35	42.9	40

FISCAL IMPACT

None.

STAFF RECOMMENDATION

Adopt Resolution No. 2013 - _____ Rescinding Resolution No. 2008-2702 and Resolution No. 2008-2745 and Adopting the September 2013 Engineering and Traffic Survey and Approving Speed Limits and Posting of Speed Limit Signs on Certain Street Segments Identified in Said Survey.

Attachment: Resolution 2013 - _____

RESOLUTION NO. 2013 - ____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MOORPARK, CALIFORNIA, RESCINDING RESOLUTION NO. 2008-2702 AND RESOLUTION NO. 2008-2745 AND ADOPTING THE SEPTEMBER 2013 ENGINEERING AND TRAFFIC SURVEY AND APPROVING SPEED LIMITS AND POSTING OF SPEED LIMIT SIGNS ON CERTAIN STREET SEGMENTS IDENTIFIED IN SAID SURVEY

WHEREAS, Section 40802 of the California Vehicle Code requires, as a prerequisite to the enforcement of any speed law with radar, the preparation and adoption of an Engineering and Traffic Survey for Speed Limits; and

WHEREAS, the September 2013 Engineering and Traffic Survey for Speed Limits was prepared for certain streets within the City of Moorpark; and

WHEREAS, the findings in said survey support certain changes to speed limits and the posted speed limit for some of those street segments; and

WHEREAS, on April 2, 2008, and September 3, 2008, the City Council of the City of Moorpark adopted Resolution No. 2008-2702 and Resolution No. 2008-2745 respectively, which set the current speed limits for certain streets within the City and are, in part, in conflict with the speed limits recommended by the recent survey.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF MOORPARK DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. That Resolution No. 2008-2702 and Resolution No. 2008-2745, pertaining to the designation of speed limits, are hereby rescinded.

SECTION 2. That the designated speed limit for certain street segments shall be per the September 2013 Engineering and Traffic Survey for Speed Limits attached hereto as Exhibit "A".

SECTION 3. The City Engineer/Public Works Director is hereby directed to replace and/or post new speed limit signs to reflect the adopted speed limits set forth in Exhibit "A".

SECTION 4. The City Clerk shall certify to the adoption of this resolution and shall cause a certified resolution to be filed in the book of original resolutions.

PASSED AND ADOPTED this 18th day of December, 2013.

Janice Parvin, Mayor

ATTEST:

Maureen Benson, City Clerk

Attachment: Exhibit A – Engineering and Traffic Survey for Speed Limits,
September 2013

EXHIBIT A

**ENGINEERING AND TRAFFIC SURVEY
FOR SPEED LIMITS**

CITY OF MOORPARK

SEPTEMBER 2013

PREPARED FOR:

**CITY OF MOORPARK
799 MOORPARK AVENUE
MOORPARK, CALIFORNIA 93021**

PREPARED BY:

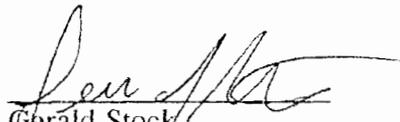
**HARTZOG & CRABILL, INC.
TRAFFIC ENGINEERS
17852 EAST 17TH STREET, SUITE #101
TUSTIN, CA 92680
(714) 731-9455**

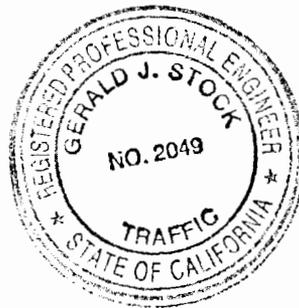
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CERTIFICATION

I, Gerald Stock, do hereby certify that this Engineering and Traffic Survey for the City of Moorpark was performed under my supervision and is accurate and complete. I certify that I am both experienced in performing surveys of this type and duly registered in the State of California as a professional Traffic Engineer.


Gerald Stock
RTE # 2049



**CITY OF MOORPARK
ENGINEERING AND TRAFFIC SURVEY FOR SPEED LIMITS**

Introduction

In accordance with procedures established by the State of California, this Engineering and Traffic Survey has been developed for the City of Moorpark as the basis for the establishment and enforcement of speed limits for selected streets within the City. The work provided herein was authorized by the City and was performed by the engineering consulting firm of Hartzog & Crabill. The goal of the review was two-fold. The first was to review new roadway segments to determine if speed limit postings should be recommended. The second involved a determination as to whether changes in pre-existing conditions have occurred where older speed limits should be modified.

The requirement to perform Engineering and Traffic surveys for speed limits is based on the California Vehicle Code (CVC). CVC Section 40802 states that at least once every five (5), seven (7) or ten (10) years, States and local agencies should re-evaluate non-statutory speed limits on segments of their roadways. Recent changes to the CA. MUCTD changed the policy and procedure for setting speed limits in California. Engineering and Traffic Surveys must be performed with the use of radar or other approved electronic devices if the use of radar is to be employed to enforce speed limits. If such a survey is not performed within five years (or seven years, or ten years as stated previously) of the date of the preceding survey, then the new data and its use will constitute a speed trap. Hence, evidence using such would not be admissible in court. From the Vehicle Code, a "speed trap" is either of the following:

- (a) A particular section of a highway measured as to distance and with boundaries marked, designated, or otherwise determined in order that the speed of a vehicle may be calculated by securing the time it takes the vehicle to travel the known distance.

- (b) A particular section of a highway with a prima facie speed limit provided by this code or by local ordinance under sub-paragraph (A) of paragraph (2) of subdivision (a) of Section 22352, or established pursuant to Section 22354, 22357, 22358, or 22358.3 if that prima facie speed limit is not justified by an engineering and traffic survey conducted within five years prior to the date of the alleged violation, and where enforcement involves the use of radar or other electronic devices that measures the speed of moving objects. This paragraph does not apply to a local street, road, or school zone.

The definition of a Traffic and Engineering Survey is contained in Section 627 of the Vehicle Code and is as follows:

Engineering and Traffic survey, as used in this code, means a survey of highway and traffic conditions in accordance with methods determined by the California Department of Transportation (Caltrans) for use by State and local authorities. An engineering and traffic survey shall include, among other requirements deemed necessary by the department, consideration of the following:

- (a) Prevailing speeds as determined by traffic engineering measurements.
- (b) Accident records.
- (c) Highway, traffic and roadside conditions not readily apparent to the driver.

The California Vehicle code has set certain regulations regarding the posting and enforcement of speed zones. These regulations generally reflect the viewpoint that speed zoning should be based on traffic conditions and natural driver behavior and not because of an arbitrary response to a traffic event or occurrence. Therefore, it is important to have a general understanding of the "Basic Speed Law", "Prima Facie Speed Limits" and "Intermediate Speed Zones".

Basic Speed Law (CVC 22350)

All fifty states base their speed regulations on the Basic Speed Law. In California, CVC 22350 defines the basic speed law as:

"No Person shall drive a vehicle upon a highway at a speed greater than is reasonable or prudent having due regard for weather, visibility, the traffic on, and the surface and width of the highway, and in no event at a speed which endangers the safety of persons or property."

This law recognizes that driving conditions vary widely from time-to-time and place-to-place and, therefore, no set of fixed driving rules will adequately serve all conditions. The motorist will constantly adjust their driving behavior to fit the conditions encountered, and must learn to do this with a minimum of assistance from the police. The Basic Speed Law is founded on the belief that a majority of motorists are able to modify their driving behavior properly, as long as they are aware of the conditions around them.

Prima Facie Speed Limits (CVC 22352)

All other speed limits are prima facie limits which, "on the face of it", are reasonable and prudent under normal conditions. A driver may exceed any prima facie limit if it is safe to do so under prevailing conditions. However, when a police officer cites a driver for exceeding a prima facie speed limit, it is up to the driver to prove, if he can, that he was driving in a reasonable and prudent manner under the existing conditions and did not constitute a violation of the basic speed law. The opportunity given to the driver to exceed a prima facie speed limit when it is safe to do so recognizes the fact that any posted speed limit cannot adequately reflect the many different conditions of traffic, weather, visibility, etc., that may be found on the same highway at different times.

Certain prima facie limits are automatically established by law (CVC 22352), including a 15 mph limit in alleys, blind intersections, blind railroad crossing, and the 25 mph limit in business and residence districts. There is also a part time 25 mph limit in school zones when children are present in route to or from school.

Business and residence districts are defined in the Vehicle Code as specific areas meeting a specified minimum density of roadside development. CVC Sections 235 and 515 define these regulations. A count of houses or active businesses facing on a highway must be made to determine whether or not a valid business or residence district exists. The law does not require posting these prima facie limits that are readily apparent.

Residence District (CVC 515)

A "residence district" is that portion of a highway and the property contiguous thereto, other than a business district, (a) upon one side of which highway, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 13 or more separate dwelling houses or business structures, or (b) upon both sides of which highway, collectively, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 16 or more separate dwelling houses or business structures. A residence district may be longer than one-quarter of a mile if the above ratio of separate dwelling houses or business structures to the length of the highway exists.

Business District (CVC 235)

A "business district" is that portion of a highway and the property contiguous thereto (a) upon one side of which highway, for a distance of 600 feet, 50 percent or more of the contiguous property fronting thereon is occupied by buildings in use for business, or (b) upon both sides of which highway, collectively, for a distance of 300 feet, 50 percent or more of the contiguous property fronting thereon is so occupied. A business district may be longer than the distances specified in this section if the above ratio of business in use for business to the length of the highway exists.

Establishment of Speed Zones

The reason that speed limit areas and their required postings are done is to guard reasonable drivers from the unreasonable behavior of reckless, unreliable, or otherwise dangerous drivers. As with other similar laws, the limits identified are based on the consensus of the majority of those who drive the highway as to what speed is reasonable and safe. It is this type of information that is reflected in the analysis section of this report. Namely, posted speed limits are a reflection of that speed which most people deem to be safe as opposed to a minority of drivers who do not drive in a reasonable manner.

Speed zones are also established to advise of road conditions or hazards that may not be readily apparent to a reasonable driver. For that reason, a field review of related road/traffic variables is conducted which considers the analytical data and accident history of a particular roadway segment to determine a safe and reasonable speed limit.

Data Collection Procedures

Speed evaluation data was collected at 51 different roadway segments on 29 different roadways in the City of Moorpark. These areas and the number of segments on each are described as follows:

- | | |
|-------------------------------|-------------------------------|
| 1. Arroyo Drive (1) | 16. Meridian Hills Drive (1) |
| 2. Campus Canyon Drive (1) | 17. Miller Parkway (2) |
| 3. Campus Park Drive (4) | 18. Moorpark Avenue (1) |
| 4. Cedar Springs Street (1) | 19. Mountain Meadow Drive (2) |
| 5. Championship Drive (1) | 20. Mountain Trail Street (3) |
| 6. Charles Street (1) | 21. Peach Hill Road (3) |
| 7. Christian Barrett Road (1) | 22. Poindexter Avenue (2) |
| 8. Collins Drive (2) | 23. Princeton Avenue (3) |
| 9. Commerce Drive (1) | 24. Ridgecrest Drive (1) |
| 10. Condor Drive (1) | 25. Second Street (1) |
| 11. Country Hill Road (1) | 26. Spring Road (5) |
| 12. Countrywood Drive (1) | 27. Tierra Rejada Road (4) |
| 13. Elk Run Loop (1) | 28. University Drive (1) |
| 14. Gabbert Road (2) | 29. Walnut Creek Road (2) |
| 15. High Street (1) | |

As described in various traffic engineering documents - including information provided by the State of California, the individual locations on which radar data collection procedures were used involved considerations for the following:

- a. Stop sign or traffic signal locations;
- b. Visibility issues;
- c. Traffic flow at intersections, cross-traffic, major driveways, crosswalks, railroad crossings and unusual turning movements;
- d. The influence of other traffic factors on the speed of cars: such as on street parking, roadway features, adjacent land uses, and lighting.

Speed Zoning Methodology

The Manual on Uniform Traffic Control Devices, California Supplement (MUTCD CA. Supplement) specifies a “short method of determining speed limits on City and County Through Highways, Arterial and Collector Roads Procedures.

Introduction - This short method of speed zoning is based on the premise that the reasonable speed limit is one that conforms to the actual behavior of the majority of motorists, and that by measuring motorist speeds, one will be able to select a speed limit that is both reasonable and effective. Other factors that need to be considered include, but are not limited to: the most recent three-year collision record, roadway design speed, safe stopping sight distance, superelevation, shoulder conditions, profile conditions, intersection spacing and offsets, commercial driveway characteristics, pedestrian traffic in the roadway without sidewalks.

Speed Zone Survey

- Only one person is required for the fieldwork. Speeds can be read directly from a radar speed meter.
- A section of road should be selected with representative operating speeds. If speeds vary on a given road, additional surveys should be conducted. In this case, it may be necessary to establish additional speed zones with different speed limits. The section selected should be straight and should have no traffic signal, stop sign or intersection with a major cross street.
- Speed measurements should be taken during off-peak hours on weekdays. The weather should be fair with no unusual conditions prevailing. It is important that the surveyor and his equipment be so inconspicuous as not to affect traffic speeds. For this reason, an unmarked car is recommended, with the radar speed meter located as inconspicuously as possible. It should be placed so as to be able to survey traffic in both directions, and should not make an angle greater than 15 degrees with the roadway center line.
- It is desirable to have a minimum sample of 100 automobiles in each survey. This may result in excessive survey periods for low-volume roads. Under these conditions, the survey should be conducted for a minimum of two hours, but in no case should the sample for any survey contain less than 50 automobiles.
- The MUTCD with California Supplement states that speed limits are established at or near the 85th percentile speed, which is defined as that speed at or below which 85 percent of the traffic is moving. This speed can be selected directly from the data sheet. However, roadway conditions not readily apparent to the motorist such as vertical or horizontal curves or other roadway conditions that may impact sight distance may result in a further reduction of 5 mph in the recommended speed limit.
- As a check on the validity of the proposed speed limit, an analysis should be made of the three-year accident record for the section of roadway under consideration. If this record shows an abnormally high percentage of accidents normally associated with excessive speeds, the proposed speed limit should be further reduced. This is a judgement situation, and will not usually be a factor,
- Short speed zones of less than half a mile should be avoided, except in transition areas.
- Speed zone changes should be coordinated with changes in roadway conditions or roadway development.
- Speed zoning in 5 mile per hour increments should be avoided if possible. A 10-mile per hour increment is preferable.
- Speed zoning should be coordinated between adjacent jurisdictions.

Local Street Exemptions (CVC 40802)

Many streets are designated as "Local" streets per CVC 40802. These streets are exempt from the radar study. Therefore, the speed limit for these streets does not require an Engineering and Traffic Survey. The code is as follows:

"For the purpose of this section, local streets and roads shall be defined by the latest functional usage and federal aid system maps as submitted to the Federal Highway Administration. When these maps have not been submitted, the following definition shall be used: A local street or road primarily provides access to abutting residential property and shall meet the following three conditions:

1. Roadway width of not more than 40 feet.
2. Not more than one half mile of uninterrupted length.
3. Not more than one traffic lane in each direction.

Other Considerations

Every street should be inspected for unusual traffic, roadway and roadside conditions not readily apparent to a motorist. A check should be made of the adequacy of traffic control devices, roadway alignment, width surface conditions, accident history and any unique traffic hazards that may exist. Any of these conditions may warrant the selection of a speed lower than the 85th percentile speed for speed zoning.

Radar Collection Time-Frames

The hours of radar operation were restricted to off-peak periods (when possible) for heavily traveled streets and to uncongested peak periods on lightly traveled streets. All surveys were conducted in fair weather.

The radar unit was mounted at the top of the front dash of an unmarked vehicle with the meter-reading unit sustained inside the vehicle. The radar unit's calibration was checked periodically using a tuning fork.

The radar operator and assistant recorded the speed meter readings for each location on Radar Speed Survey Field Sheets included in the appendix of this report. A representative sampling of at least 100 vehicles were surveyed in each direction or a cumulative sample of 200 vehicles for both directions where possible. On low volume roads, where a total sample of 200 vehicles would result in an excessive time period, sampling was continued until a representative bell-shaped frequency distribution was attained.

Analysis Factors

Several factors were used as input to our recommendations for speed limits. These include the 85th Percentile, the 10 MPH Pace and others. These are described in detail below.

1. The **CRITICAL SPEED**, or the 85th percentile is defined as that speed at or below which 85 percent of the traffic is moving. From experience, traffic engineers have found that this is one of the most reliable factors in determining appropriate speed limits.

Hence, the accepted practice, and one that has been used in this case is to set the speed limit at or near the critical speed. This recognizes that other factors could be present where the above may not be appropriate. When this procedure is used, it not only conforms to that required by the State but it also provides a strong base for law enforcement personnel to properly enforce speed limits.

2. The **10 MPH PACE** is that continuous 10 mph incremental range of speeds in which the largest number of recorded vehicles is contained. It is a measure of the dispersion of speeds within the sample surveyed. For this element, the accepted practice to the greatest extent possible, is to try and keep the recommended speed limit within the 10 mph pace after considering the critical speed and any factors requiring a speed lower than the critical speed.
3. The **MEDIAN (MIDDLE) SPEED**, or 50th percentile speed, represents the mid-point value within the range of recorded speeds for a particular roadway location. In other words, 50% of the vehicles travel faster than, and 50% travel slower than the median speeds. This value is another measure of the central tendency of the vehicle speed distribution.
4. The **15th PERCENTILE SPEED** is that speed at or below which 15% of the vehicles are traveling. This value is important in determining the minimum allowable speed limit, given that the vehicles traveling below this speed tend to obstruct the flow of traffic, thereby increasing the accident potential.
5. **MODAL SPEED**: The modal speed is the speed, which occurs most frequently in the distribution (the most). It serves as another useful measure in verifying the correct recommendation for speed limits.
6. **STANDARD DEVIATION**: This is a mathematical element, which relates to measures of dispersion of data. It is used to assist in describing the center of speed distribution information around the arithmetic mean or the time mean speed. It also is used in the overall review of recommended speed limits and serves to verify the level of confidence of data used in making recommendations.
7. The **MEAN (AVERAGE)** is the sum of the speeds of the samples divided by the number of samples.

The numerical values of the above factors are derived from the speed distribution curves calculated for each survey location. These distribution curves represent a method of graphic analysis that compares the cumulative percentage of vehicles to the speed at which the vehicles are traveling.

Field Review

In addition to the availability of the above statistical data, a significant aspect of speed limit recommendations is based on the field review. Its importance is that existing conditions may warrant a lower speed than is actually indicated by the application of survey data. Examples of the field data collected for the purposes of analyzing related roadway characteristics as they pertain to the determination of appropriate speed limits are listed below:

1. Segment length, width and alignment
2. Level of pedestrian activity
3. Traffic flow characteristics
4. Vertical and/or horizontal curves.
5. Driver sight distance constraints.
6. Adjacent residential/commercial/industrial etc. zoning.
7. Number of lanes and other channelization/stripping factors
8. Frequency of intersections, driveways and on street parking;
9. Location of stop signs, traffic signals, and other regulatory traffic control devices;
10. Roadway conditions, bumps and dips;
11. Obstructions to pedestrian visibility;
12. Land use and proximity of schools;
13. Uniformity with existing speed zones to/with adjacent jurisdictions;
14. Any other unusual conditions not readily apparent to the driver.

The results of the field review of related road/traffic variables are summarized on the Engineering and Traffic Survey forms found in the Appendix of this report.

Accident History

The Engineering and Traffic Survey forms summarize the available two-year accident information for the subject streets. The accident information includes the total number of accidents within each street segment and of those accidents, the number that are speed-related. This information was obtained from the California Statewide Integrated Traffic Records System (SWITRS) for the City of Moorpark.

The annual accident rate figures represent the number of speed-related accidents divided by years of accident records. The evaluation of accidents is useful as a check on the accuracy of recommended or existing speed limits. Should this review show a high percentage of accidents associated with excessive speeds, then consideration based on professional traffic engineering judgement should be directed toward reducing the posted or recommended speed limit.

Results and Recommendations

The following Summaries: No Speed Limit Changes, New Speed Limit Postings, Speed Limit Increases, Speed Limit Reductions, Resident District and Summary of Recommendations presents the results of the radar survey for the selected locations. As shown, the Summary of

<u>Country Hill Road</u> Countrywood Dr to Mountain Trail St	Remain posted at 30 mph
<u>Countrywood Drive</u> Tierra Rejada Rd to Woodhill Dr	Remain posted at 35 mph
<u>Gabbert Road</u> Poindexter Ave to Los Angeles Ave	Remain posted at 40 mph
<u>High Street</u> Spring St to Moorpark Ave	Remain posted at 30 mph
<u>Miller Parkway</u> Los Angeles Ave to Peach Hill Rd Peach Hill Rd to Tierra Rejada Rd	Remain posted at 40 mph Remain posted at 40 mph
<u>Moorpark Avenue</u> Los Angeles Ave to South End	Remain posted at 30 mph
<u>Mountain Meadow Drive</u> Walnut Creek Rd to Tierra Rejada Rd Tierra Rejada Rd to Mountain Trail St	Remain posted at 30 mph Remain posted at 30 mph
<u>Mountain Trail Street</u> Walnut Creek Rd to Tierra Rejada Rd Tierra Rejada Rd to Mountain Meadow Dr (S) Mountain Meadow Dr (S) to Woodhill Dr	Remain posted at 30 mph Remain posted at 30 mph Remain posted at 30 mph
<u>Peach Hill Road</u> Miller Pkwy to Spring St Mesa Verde Dr to Tierra Rejada Rd	Remain posted at 35 mph Remain posted at 35 mph
<u>Poindexter Avenue</u> Moorpark Ave to Sierra Ave Sierra Ave to Gabbert Rd	Remain posted at 40 mph Remain posted at 40 mph
<u>Princeton Avenue</u> Campus Park Dr to 118 Fwy (N) 118 Fwy (N) to 118 Fwy (S) 118 Fwy (S) to Spring St	Remain posted at 40 mph Remain posted at 40 mph Install 40 mph westbound
<u>Second Street</u> Spring St to Moorpark Ave	Remain posted at 25 mph

Spring Road

Walnut Canyon Rd to Elk Run Loop	Remain posted at 45 mph
Elk Run Loop to High St	Remain posted at 45 mph
High St to Los Angeles Ave	Remain posted at 40 mph
Los Angeles Ave to Peach Hill Rd	Remain posted at 45 mph
Peach Hill Rd to Tierra Rejada Rd	Remain posted at 45 mph

Tierra Rejada Road

East City Limits to Spring Rd	Remain posted at 45 mph
Spring Rd to Peach Hill Rd	Remain posted at 45 mph
Peach Hill Rd to Mountain Trail St	Remain posted at 45 mph
Mountain Trail St to Los Angeles Ave	Remain posted at 45 mph

University Drive

Griffin Ln to Collins Dr	Remain posted at 30 mph
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Walnut Creek Road

Mountain Trail St to Tierra Rejada Rd	Remain posted at 30 mph
Tierra Rejada Rd to Mountain Meadow Dr	Remain posted at 35 mph

Support Explanations of “No Speed Limit Changes”

The following are support explanations for the roadway segments that the recommended speed limit is 5 mph lower or more than the newly measured 85th percentile speed, have posted speed signs in one direction, and one that the street name has changed.

Campus Canyon Drive

Borges Drive to Collins Drive

In the 2006 Speed Study, this roadway was formerly named Hearon Drive. It has one lane of travel per direction. The adjacent land uses include residential (non-fronting) and Campus Canyon Elementary School & Park. It is posted at 30 mph. Field observations are heavy pedestrian traffic near school and park area, designated bike route, gradual to moderate horizontal-vertical curves, and areas of limited sight distance. The speed data revealed an 85th percentile of 34.9 mph and a 10 mph pace range of 27 to 36 mph. With the roadway conditions and nature of the areas, it is recommended that the existing 30 mph be maintained.

Mountain Meadow Drive

Tierra Rejada Road to Mountain Trail Street

This portion of Mountain Meadow is a two lane roadway. Field notes state that adjacent land use is residential (non-fronting) and Tierra Rejada Park, pedestrian traffic near park, the roadway has various moderate curves including a sweeping "C" curve that changes the travel from east/west to north/south. The sight distance for vehicles entering Mountain Meadow from Rivergrove Court is approximately 225 feet and the required sight distance for a 35 mph speed limit is 250 feet. Although the speed data shows an 85th percentile speed of 37.5 mph but with the areas of limited sight distance, it is recommended that the existing 30 mph speed limit remain.

Mountain Trail Street

Walnut Creek Road to Tierra Rejada Road

This section of Mountain Trail is a four lane roadway. The adjacent land uses include single and multi-family dwellings (non-fronting), Moorpark High School and Performing Arts Center at Tierra Rejada Road. The roadway has a gradual uphill grade northbound and constant gradual to sweeping "C" curve. The speed data results show an 85th percentile of 36.3 mph and a 10 mph pace range of 27 to 36 mph. In consideration of the nature of the area, and the areas of limited sight distance at horizontal curve in the eastbound direction n/o Willow Springs, it is recommended that the existing 30 mph posting be maintained.

Tierra Rejada Road to Mountain Meadow Drive (S)

This section of Mountain Trail Street has one and two lanes per direction. Currently, the posted speed limit is 30 mph. The adjacent land use is residential, Tierra Rejada Park and some commercial at Tierra Rejada Drive. With the speed study results showing an 85th percentile speed of 35.0 and a 10 mph pace range of 28 to 37 mph. With that, it is recommended that the existing 30 mph be maintained.

Spring Road

Elk Run Loop to High Street

This portion of Spring Road is a four lane roadway. The speed survey resulted with an 85th percentile speed of 51.7 and a 10 mph pace range of 43 to 52 mph. The field notes show residential dwelling non-fronting to the roadway, painted bike lanes, and gradual to moderate horizontal and vertical curves. With the areas of limited sight distance and consistency with adjacent segments, it is recommended that the existing 45 mph speed limit be maintained.

Walnut Creek Road

Mountain Trail Street to Tierra Rejada Road

The portion of Walnut Creek Road has one lane of travel in each direction. The speed survey resulted with an 85th percentile speed of 35.0 mph and a 10 mph pace range of 27 to 36 mph. Field observations include residential non-fronting to the roadway, bus stop pull-outs, bike lanes, several stops and intersecting streets, and tight horizontal. The sight distance is approximately is 245 feet east of Arbor Hill and the required sight distance for 35 mph is 250 feet. Therefore, it is recommended that existing 30 mph be maintained.

Locations of "Residence District"

One roadway segment is listed for the Engineering and Traffic Study fall under the California Vehicle Code 515, "Resident District Speed Limit." Explanations and requirements for Resident District are on Page 3. The CVC states that prima facie roadways are not required to be posted. Therefore, the City may choose to remove existing speed signs or leave them alone. These roadway segments are listed below:

Christian Barrett Road

Spring Rd to Peach Hill Rd

Establish as Resident District – 25 mph

Support Explanations for “Resident District”

Christian Barrett Road

Spring Road to Peach Hill Road

Christian Barrett Drive is a two lane residential roadway with heavy on-street parking, and Peach Hill Elementary School and Park at Peach Hill Road. Although the 85th percentile speed is 32.3 mph, the need to retain the CVC defined lower speed is based on (1), 55 single-family dwellings in a 0.47 section between Cedar Pine and Southhampton and, (2) heavy direct access driveways, and (3) heavy pedestrian traffic near elementary school. This segment meets the requirement for the CVC 515 "Resident District". Therefore with all these factors, it is recommended that the City establish the segment of Christian Barrett Drive a Resident District".

Locations of "New Speed Limit Postings"

Four of the fifty-one roadway segments are currently unposted. Again, the newly measured values of the 85th percentile speeds and the 10 mph pace range were factors used to make these recommendations. It is noted that for each case, the recommendation to post is necessary to enhance the enforcement of the recommended safe speed limit. These segments are shown in the Summary of Recommendations beginning on page 15 and are as follows:

Elk Run Loop

Ridgecrest Dr to Spring St

Install New Posting of 35 mph

Gabbert Road

Elwin Ave to Poindexter Ave

Install New Posting of 30 mph

Meridian Hills Drive

West Terminus to Walnut Canyon Rd

Install New Posting of 30 mph

Ridgecrest Drive

Spring St to Hightop St

Install New Posting of 35 mph

Support Explanations of "New Speed Limit Postings"

Elk Run Loop

Ridgecrest Drive to Spring Street

This section of Elk Run Loop is a two lane collector roadway supplying access to home developments that are non-fronting to the roadway. Currently, this area has no speed posting. With the speed study results showing an 85th percentile speed of 39.4 mph and a 10 mph pace range of 32 to 41 mph, it is recommended that a 35 mph speed limit be established for this area.

Gabbertt Road

Elwin Avenue to Poindexter Avenue

This portion of Gabbertt Road is a two lane rural roadway. Field observations include a no speed limit postings in area, narrow winding roadway, no shoulders/dirt shoulders, no stopping anytime, and areas of limited sight distance. The sight distance at Elwin Street is approximately 198 feet and the required sight distance for a 35 mph speed limit is 250 feet. Although the speed data shows an 85th percentile speed of 35.7 mph and due to limited sight distance, it is recommended that a 30 mph speed limit be established for this segment.

Meridian Hills Drive

West Terminus to Walnut Canyon Road

Meridian Hills Drive is a newly constructed two lane roadway. Field observations include the roadway is closed east of Breezy Glen, on-going residential construction, and slight to gradual horizontal-vertical curves. The speed survey results show an 85th percentile speed of 34.3 mph and a 10 mph pace range of 26 to 35 mph. With that, it is recommended that a 30 mph speed limit be established for this area. It is also recommended that this segment be resurveyed when the roadway is completed and opened.

Locations of "Speed Limit Increases"

With the combination of the speed data, our field review and accident history, the following segment is recommended for a speed limit increase.

Peach Hill Road

Spring Rd to Mesa Verde Dr

Increase speed from 35 mph to 40 mph

Support Explanations of "Speed Limit Increases"

Peach Hill Road

Spring Road to Mesa Verde Drive

This section of Peach Hill Road is a wide two lane roadway. Currently, a 35 mph speed limit is posted for this area. The adjacent land use is solely residential and on the south-side there are no driveways, "No Stopping Anytime" and a narrow painted bike lane with no shoulders. The speed data shows an 85th percentile speed of 42.9 mph and a 10 mph pace range of 35 to 44 mph. Therefore, it is recommended that the existing 35 mph be increased to 40 mph.

SUMMARY OF RECOMMENDATIONS

STREET LOCATION	EXISTING SPEED LIMIT	RECOMMENDED SPEED LIMIT	85 TH PERCENTILE SPEED	AVERAGE SPEED	10 MPH PACE RANGE	PERCENT OF VEHICLES IN PACE	JUSTIFICATION / COMMENTS
<u>ARROYO DRIVE</u>							
EAST CITY LIMITS TO COLLINS DR	40	40	43.9	39.7	37-46	80.8	NO CHANGE – 85 TH PERCENTILE
<u>CAMPUS CANYON DRIVE</u> Formerly (Hearon Drive)							
BORGES DR TO COLLINS DR	30 / 25*	30	34.9	31.0	27-36	85.6	NO CHANGE – 85 TH PERCENTILE
<u>CAMPUS PARK DRIVE</u>							
BERAGAN ST TO COLLINS DR	40 / 25*	40	40.4	36.2	32-41	84.0	NO CHANGE – 85 TH PERCENTILE
COLLINS DR TO MARQUETTE ST	40	40	40.7	36.2	32-41	82.0	NO CHANGE – 85 TH PERCENTILE
MARQUETTE ST TO PRINCETON AVE	45	45	45.8	42.8	38-47	84.3	NO CHANGE – 85 TH PERCENTILE
PRINCETON AVE TO WEST END	35	35	39.7	34.3	29-38	72.5	NO CHANGE – 85 TH PERCENTILE
<u>CEDAR SPRINGS STREET</u>							
MOUNTAIN TRAIL ST TO MOUNTAIN MEADOW DR	30	30	33.9	30.3	27-36	86.5	NO CHANGE – 85 TH PERCENTILE
<u>CHAMPIONSHIP DRIVE</u>							
WALNUT CANYON RD TO GRIMES CANYON RD	45	45	46.9	43.1	38-47	80.6	NO CHANGE – 85 TH PERCENTILE
<u>CHARLES STREET</u>							
MOORPARK AVE TO HEDYLAND CT	25	25	29.0	24.8	22-31	88.3	NO CHANGE – 85 TH PERCENTILE

*25 mph When Children Present
EB = Eastbound

NP = Not Posted
WB = Westbound

<u>STREET LOCATION</u>	<u>EXISTING SPEED LIMIT</u>	<u>RECOMMENDED SPEED LIMIT</u>	<u>85TH PERCENTILE SPEED</u>	<u>AVERAGE SPEED</u>	<u>10 MPH PACE RANGE</u>	<u>PERCENT OF VEHICLES IN PACE</u>	<u>JUSTIFICATION / COMMENTS</u>
<u>CHRISTIAN BARRETT ROAD</u>							
SPRING RD TO PEACH HILL RD	25	25	32.3	28.3	25-34	86.9	ESTABLISH RESIDENT DISTRICT - CVC 515
<u>COLLINS DRIVE</u>							
UNIVERSITY DR TO CAMPUS PARK DR	35 / 25*	35	38.7	35.1	31-40	92.6	NO CHANGE – 85 TH PERCENTILE
CAMPUS PARK DR TO ARROYO DR	35	35	39.9	34.8	30-39	77.2	NO CHANGE – 85 TH PERCENTILE
<u>COMMERCE DRIVE</u>							
POINDEXTER AVE TO GABBERT AVE	30	30	30.9	27.4	23-32	80.4	NO CHANGE – 85 TH PERCENTILE
<u>CONDOR DRIVE</u>							
PRINCETON AVE (N) TO PRINCETON AVE (S)	30	30	33.9	29.9	26-35	83.8	NO CHANGE – 85 TH PERCENTILE
<u>COUNTRY HILL ROAD</u>							
COUNTRYWOOD DR TO MOUNTAIN MEADOW DR	30	30	31.8	29.1	25-34	92.7	NO CHANGE – 85 TH PERCENTILE
<u>COUNTRYWOOD DRIVE</u>							
TIERRA REJADA RD TO WOODHILL DR	35	35	39.6	36.7	32-41	81.7	NO CHANGE – 85 TH PERCENTILE
<u>ELK RUN LOOP</u>							
RIDGECREST DR TO SPRING RD	NP	35	39.4	35.8	32-41	87.4	POST – 85 TH PERCENTILE
<u>GABBERT ROAD</u>							
ELWIN AVE TO POINDEXTER AVE	NP	30	35.7	31.6	27-36	82.3	POST – LIMITED SIGHT DISTANCE
POINDEXTER AVE TO LOS ANGELES AVE	40	40	41.0	37.2	32-41	75.6	NO CHANGE – 85 TH PERCENTILE

*25 mph When Children Present
NB = Northbound

NP = Not Posted
SB = Southbound

STREET LOCATION	EXISTING SPEED LIMIT	RECOMMENDED SPEED LIMIT	85 TH PERCENTILE SPEED	AVERAGE SPEED	10 MPH PACE RANGE	PERCENT OF VEHICLES IN PACE	JUSTIFICATION / COMMENTS
<u>HIGH STREET</u>							
SPRING RD TO MOORPARK AVE	30	30	32.8	29.3	26-35	85.3	NO CHANGE – 85 TH PERCENTILE
<u>MERIDIAN HILLS DRIVE</u>							
WEST TERMINUS TO WALNUT CANYON RD	NP	30	34.3	29.6	26-35	74.2	POST – 85 TH PERCENTILE
<u>MILLER PARKWAY</u>							
LOS ANGELES AVE TO PEACH HILL RD	40 / 25*	40	43.7	38.9	35-44	75.5	NO CHANGE – 85 TH PERCENTILE
PEACH HILL RD TO TIERRA REJADA RD	40 / 25*	40	42.0	38.1	34-43	85.8	NO CHANGE – 85 TH PERCENTILE
<u>MOORPARK AVENUE</u>							
LOS ANGELES AVE TO SOUTH END	30	30	31.8	29.3	25-34	90.5	NO CHANGE – 85 TH PERCENTILE
<u>MOUNTAIN MEADOW DRIVE</u>							
WALNUT CREEK RD TO TIERRA REJADA RD	30	30	34.4	30.4	27-36	86.8	NO CHANGE – 85 TH PERCENTILE
TIERRA REJADA RD TO MOUNTAIN TRAIL ST	30	30	37.5	32.5	29-38	80.0	NO CHANGE – LIMITED SIGHT DISTANCE
<u>MOUNTAIN TRAIL STREET</u>							
WALNUT CREEK RD TO TIERRA REJADA RD	30	30	36.3	31.2	28-37	80.3	NO CHANGE – LIMITED SIGHT DISTANCE
TIERRA REJADA RD TO MOUNTAIN MEADOW DR (S)	30	30	35.0	31.3	28-37	88.7	NO CHANGE – 85 TH PERCENTILE / LIMITED SIGHT DISTANCE
MOUNTAIN MEADOW DR (S) TO WOODHILL DR	30	30	32.1	28.8	25-34	88.9	NO CHANGE – 85 TH PERCENTILE

*25 mph When Children Present
EB = Eastbound

NP = Not Posted
WB = Westbound

<u>STREET LOCATION</u>	<u>EXISTING SPEED LIMIT</u>	<u>RECOMMENDED SPEED LIMIT</u>	<u>85TH PERCENTILE SPEED</u>	<u>AVERAGE SPEED</u>	<u>10 MPH PACE RANGE</u>	<u>PERCENT OF VEHICLES IN PACE</u>	<u>JUSTIFICATION / COMMENTS</u>
<u>PEACH HILL ROAD</u>							
MILLER PKWY TO SPRING RD	35 / 25*	35	39.9	34.8	32-41	70.8	NO CHANGE – 85 TH PERCENTILE
SPRING RD TO MESA VERDE DR	35	40	42.9	38.6	35-44	79.3	INCREASE – 85 TH PERCENTILE
MESA VERDE DR TO TIERRA REJADA RD	35	35	39.2	35.2	31-40	80.3	NO CHANGE – 85 TH PERCENTILE
<u>POINDEXTER AVENUE</u>							
MOORPARK AVE TO SIERRA AVE	40 / 25*	40	41.4	37.9	34-43	85.0	NO CHANGE – 85 TH PERCENTILE
SIERRA AVE TO GABBERT AVE	40	40	44.1	39.9	35-44	76.4	NO CHANGE – 85 TH PERCENTILE
<u>PRINCETON AVENUE</u>							
CAMPUS PARK DR TO 118 FWY (N)	40	40	40.1	35.1	31-40	73.3	NO CHANGE – 85 TH PERCENTILE
118 FWY (N) TO 118 FWY (S)	40	40	41.2	37.5	33-42	77.8	NO CHANGE – 85 TH PERCENTILE
118 FWY (S) TO SPRING RD	40 EB	40	44.4	40.0	37-46	84.9	NO CHANGE – 85 TH PERCENTILE – POST WB
<u>RIDGECREST DRIVE</u>							
SPRING RD TO HIGHTOP ST	NP	35	38.9	33.8	31-40	81.7	POST– 85 TH PERCENTILE
<u>SECOND STREET</u>							
SPRING RD TO MOORPARK AVE	25	25	29.9	26.4	23-32	83.9	NO CHANGE – 85 TH PERCENTILE

*25 mph When Children Present
EB = Eastbound

NP = Not Posted
WB = Westbound

STREET LOCATION	EXISTING SPEED LIMIT	RECOMMENDED SPEED LIMIT	85 TH PERCENTILE SPEED	AVERAGE SPEED	10 MPH PACE RANGE	PERCENT OF VEHICLES IN PACE	JUSTIFICATION / COMMENTS
<u>SPRING ROAD</u>							
WALNUT CANYON RD TO ELK RUN LOOP	45	45	47.5	43.1	39-48	77.6	NO CHANGE – 85 TH PERCENTILE
ELK RUN LOOP TO HIGH ST	45	45	51.7	46.0	43-52	73.3	NO CHANGE – LIMITED SIGHT DISTANCE
HIGH ST TO LOS ANGELES AVE	40	40	41.5	37.7	33-42	77.1	NO CHANGE – 85 TH PERCENTILE
LOS ANGELES AVE TO PEACH HILL RD	45	45	46.8	43.0	39-48	77.2	NO CHANGE – 85 TH PERCENTILE
PEACH HILL RD TO TIERRA REJADA RD	45	45	47.9	44.4	40-49	85.1	NO CHANGE – 85 TH PERCENTILE
<u>TIERRA REJADA ROAD</u>							
EAST CITY LIMITS TO SPRING RD	45	45	49.3	45.4	41-50	81.3	NO CHANGE – 85 TH PERCENTILE
SPRING RD TO PEACH HILL RD	45	45	50.0	45.4	42-51	79.7	NO CHANGE – 85 TH PERCENTILE
PEACH HILL RD TO MOUNTAIN TRAIL ST	45	45	49.3	45.0	41-50	81.0	NO CHANGE – 85 TH PERCENTILE
MOUNTAIN TRAIL ST TO LOS ANGELES AVE	45	45	47.4	43.1	39-48	77.5	NO CHANGE – 85 TH PERCENTILE
<u>UNIVERSITY DRIVE</u>							
GRIFFIN LN TO COLLINS DR	30	30	31.3	27.6	25-34	85.3	NO CHANGE – 85 TH PERCENTILE
<u>WALNUT CREEK ROAD</u>							
MOUNTAIN TRAIL ST TO TIERRA REJADA RD	30	30	35.0	31.1	27-36	84.5	NO CHANGE – 85 TH PERCENTILE / LIMITED SIGHT DISTANCE
TIERRA REJADA RD TO MOUNTAIN MEADOW DR	35	35	39.9	35.6	32-41	82.6	NO CHANGE – 85 TH PERCENTILE

1) HIGH SPEED RELATED ACCIDENTS

APPENDIX A

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



ARROYO DRIVE

EAST CITY LIMITS TO COLLINS DR

DATE: 6/7/2013
 TIME: 8:15 AM - 9:30 AM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF VILLA ARROYO MOBILE PARK ENT
DATE OF SURVEY	6/7/2013
85th PERCENTILE	43.9 MPH
10 MPH PACE	37 - 46 MPH
PERCENT IN PACE	80.8 %
POSTED SPEED LIMIT	40 MPH
	30 MPH ADVISORY AT CURVES

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,750
LANE CONFIGURATION	1-2 LANES (near Collins WB) / 1 LANE (SB)
TRAFFIC CONTROLS	STOP - COLLINS
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	NO / FEW
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	NARROW ROADWAY / PARALLES FWY AND METRO LINK RxR XING

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	1.31
VERTICAL CURVE	SLIGHT-GRADUAL UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (areas of slight)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	NO / NO
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE DIRT SHOULDERS (WB)

ADJACENT LAND USE	MOBILE HOME PARK / METRO LINK / PARK-N-RIDE / 118 FWY
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 40 mph speed limit is within 3.9 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

CITY OF MOORPARK



ARROYO DRIVE

DATE: 6/7/2013

TIME: 8:15 AM - 9:30 AM

EAST CITY LIMITS TO COLLINS DR

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 99.2%
48						X 99.2%
47						X 96.9%
46					X	93.1% }PACE
45					X	87.7% }PACE
44					X	85.4% }PACE
43				X		80.0% }PACE ---85PCT
42				X		75.4% }PACE
41			X			62.3% }PACE
40			X			54.6% }PACE
39		X				40.0% }PACE ---MEAN
38		X				33.1% }PACE
37		X				18.5% }PACE
36	X					12.3% ---15PCT
35	X					7.7%
34	X					4.6%
33	X					2.3%
32	X					2.3%
31	X					1.5%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 46 MPH
 LOWER LIMIT 10 MPH PACE: 37 MPH
 PERCENT OVER PACE: 14.6 %
 PERCENT IN PACE: 80.8 %
 PERCENT UNDER PACE: 12.3 %

85th PERCENTILE SPEED: 43.9 MPH
 MEDIAN SPEED: 39.7 MPH
 15th PERCENTILE SPEED: 36.4 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: ARROYO DRIVE
 LOCATION: EAST CITY LIMITS TO COLLINS DRIVE

WEATHER: OVERCAST DATE: 06/07/13
 ROAD CONDITION: DRY START TIME: 8:15 AM
 OBSERVER: CATHY BUENDIA END TIME: 9:30 AM JCL

DIRECTION: <u>EASTBOUND</u>							
MPH	5	10	15	20	25	30	TOTAL
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49	/						
48	/	/					
47	/	/	/				
46	/	/	/	/			
45	/	/	/	/	/		
44	/	/	/	/	/	/	
43	/	/	/	/	/	/	
42	/	/	/	/	/	/	
41	/	/	/	/	/	/	
40	/	/	/	/	/	/	
39	/	/	/	/	/	/	
38	/	/	/	/	/	/	
37	/	/	/	/	/	/	
36	/	/	/	/	/	/	
35	/	/	/	/	/	/	
34	/	/	/	/	/	/	
33	/	/	/	/	/	/	
32	/	/	/	/	/	/	
31							
30							
29							
28							
27							
26							
25							
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

MOORPARK

DIRECTION: <u>WESTBOUND</u>							
MPH	5	10	15	20	25	30	TOTAL
60							
59							
58							
57							
56							
55							
54							
53							
52							
51	/						
50	/						0
49	/						1
48	/	/					2
47	/	/	/				3
46	/	/	/	/			4
45	/	/	/	/	/		5
44	/	/	/	/	/	/	6
43	/	/	/	/	/	/	7
42	/	/	/	/	/	/	8
41	/	/	/	/	/	/	9
40	/	/	/	/	/	/	10
39	/	/	/	/	/	/	11
38	/	/	/	/	/	/	12
37	/	/	/	/	/	/	13
36	/	/	/	/	/	/	14
35	/	/	/	/	/	/	15
34	/	/	/	/	/	/	16
33	/	/	/	/	/	/	17
32	/	/	/	/	/	/	18
31							19
30							20
29							21
28							22
27							23
26							24
25							25
24							26
23							27
22							28
21							29
20							30
19							31
18							32
17							33
16							34
15							35

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
0	50
1	49
2	48
3	47
4	46
5	45
6	44
7	43
8	42
9	41
10	40
11	39
12	38
13	37
14	36
15	35
16	34
17	33
18	32
19	31
20	30
21	29
22	28
23	27
24	26
25	25
26	24
27	23
28	22
29	21
30	20
31	19
32	18
33	17
34	16
35	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK

CAMPUS CANYON DRIVE*

BORGES DR TO COLLINS DR



*(Formerly Hearon Drive)

DATE: 6/7/2013
TIME: 11:15 AM - 12:15 PM

SURVEY BY: C. BUENDIA
CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF RAINS
DATE OF SURVEY	6/7/2013
85th PERCENTILE	34.9 MPH
10 MPH PACE	27 - 36 MPH
PERCENT IN PACE	85.6 %
POSTED SPEED LIMIT	30 MPH / *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,250
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - BORGES / COLLINS
CROSSWALKS	AT MONROE (sch)
PEDESTRIAN/BICYCLES	MANY / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	PERMITTED, NONE OBSERVED
OTHER	HEAVY PEDESTRIANS NEAR COLLINS BIKE ROUTE

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.48
VERTICAL CURVE	GRADUAL - MODERATE UPHILL GRADE (NB)
HORIZONTAL CURVE	GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (areas of slight)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE / DROPOFF CUTOUT (front of school) NO PARKING TUES 2-4pm STREET SWEEPING

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / CAMPUS CANYON ELEMENTARY SCH & PARK
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

Campus Canyon Drive is a two lane roadway. The adjacent land uses include residential (non-fronting) and Campus Canyon Elementary School & Park. It is posted at 30 mph. Field observations are heavy pedestrian traffic near school and park area, designated bike route, gradual to moderate horizontal-vertical curves, and areas of limited sight distance. The speed data revealed an 85th percentile of 34.9 mph and a 10 mph pace range of 27 to 36 mph. With the roadway conditions and nature of the areas, it is recommended that the existing 30 mph be maintained.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

CAMPUS CANYON DRIVE*

DATE: 6/7/2013

TIME: 11:15 AM - 12:15 PM

BORGES DR TO COLLINS DR

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	97.9%
38					X	97.9%
37					X	93.8%
36					X	89.7% }PACE
35					X	85.6% }PACE
34					X	77.3% }PACE ---85PCT
33					X	72.2% }PACE
32					X	66.0% }PACE
31					X	49.5% }PACE ---MEAN
30					X	36.1% }PACE
29					X	24.7% }PACE
28					X	14.4% }PACE ---15PCT
27					X	9.3% }PACE
26					X	4.1%
25					X	2.1%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 36 MPH
 LOWER LIMIT 10 MPH PACE: 27 MPH
 PERCENT OVER PACE: 10.3 %
 PERCENT IN PACE: 85.6 %
 PERCENT UNDER PACE: 4.1 %

85th PERCENTILE SPEED: 34.9 MPH
 MEDIAN SPEED: 31.0 MPH
 15th PERCENTILE SPEED: 28.1 MPH

HARTZOG AND CRABILL INC.

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: CAMPUS CANYON DRIVE
 LOCATION: BORGES DR TO COLLINS DR

WEATHER: SUNNY DATE: 06/07/13
 ROAD CONDITION: DRY START TIME: 11:15 AM
 OBSERVER: CATHY BUENDIA END TIME: 12:15 PM 1 ML

DIRECTION: <u>SOUTHBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40	/	/				
39	/	/				
38	/	/	/			
37	/	/	/	/		
36	/	/	/	/		
35	/	/	/	/	/	
34	/	/	/	/	/	
33	/	/	/	/	/	
32	/	/	/	/	/	
31	/	/	/	/	/	
30	/	/	/	/	/	
29	/	/	/	/	/	
28	/	/	/	/	/	
27	/	/	/	/	/	
26	/	/	/	/	/	
25	/	/	/	/	/	
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

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AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>NORTHBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25		30	
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44								44
43								43
42								42
41								41
40								40
39								39
38								38
37	/	/						37
36	/	/	/					36
35	/	/	/	/				35
34	/	/	/	/	/			34
33	/	/	/	/	/			33
32	/	/	/	/	/			32
31	/	/	/	/	/	/		31
30	/	/	/	/	/	/		30
29	/	/	/	/	/	/		29
28	/	/	/	/	/	/		28
27	/	/	/	/	/	/		27
26	/	/	/	/	/	/		26
25	/	/	/	/	/	/		25
24								24
23								23
22								22
21								21
20								20
19								19
18								18
17								17
16								16
15								15

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AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



CAMPUS PARK DRIVE

BERAGAN ST TO COLLINS DR

DATE: 6/13/2013

SURVEY BY: C. BUENDIA

TIME: 8:30 AM - 10:00 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF COLLINS
DATE OF SURVEY	6/13/2013
85th PERCENTILE	40.4 MPH
10 MPH PACE	32 - 41 MPH
PERCENT IN PACE	84.0 %
POSTED SPEED LIMIT	40 MPH EB / *25 MPH 15 MPH ADVISORY AT CURVE

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	10
TOTAL ACCIDENTS	15
ANNUAL ACCIDENT RATE	5.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	14.31 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	2,900
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - COLLINS / DELFEN
CROSSWALKS	AT COLLINS / COLLEGE VIEW / DELFEN
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	FEW
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	PAINTED BIKE LANES HEAVY LEFT TURNS WB ON TO COLLINS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.33
VERTICAL CURVE	NONE
HORIZONTAL CURVE	GRADUAL "C" (at Delfen) / BEND "L" (at Beragan)
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	PARTIAL / FEW (WB) - YES / NO (EB)
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND NO SHOULDERS (WB)

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / GRIFFIN SENIOR PARK / MOORPARK COLLEGE
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

The recommended 40 mph speed limit is within 0.4 mph of the 85th percentile speed and meets CVC standards.

*25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET

HCI CITY OF MOORPARK
 CAMPUS PARK DRIVE

BERAGAN ST TO COLLINS DR
 SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

DATE: 6/13/2013
 TIME: 8:30 AM - 10:00 AM

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	99.2%
46					X	98.3%
45					X	96.6%
44					X	95.8%
43					X	94.1%
42					X	88.2%
41					X	87.4% } PACE
40					X	83.2% } PACE --- 85PCT
39					X	74.8% } PACE
38					X	67.2% } PACE
37					X	60.5% } PACE
36					X	47.1% } PACE --- MEAN
35					X	37.0% } PACE
34					X	25.2% } PACE
33					X	19.3% } PACE
32					X	9.2% } PACE --- 15PCT
31					X	3.4%
30					X	3.4%
29					X	0.8%
28					X	0.0%
27					X	0.0%
26					X	0.0%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE:	41 MPH	85th PERCENTILE SPEED:	40.4 MPH
LOWER LIMIT 10 MPH PACE:	32 MPH	MEDIAN SPEED:	36.2 MPH
PERCENT OVER PACE:	12.6 %	15th PERCENTILE SPEED:	32.6 MPH
PERCENT IN PACE:	84.0 %		
PERCENT UNDER PACE:	3.4 %		

HARTZOG AND CRABILL INC.

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: CAMPUS PARK DRIVE
 LOCATION: BERAGAN ST TO COWINS DR

WEATHER: SUNNY DATE: 06/13/13
 ROAD CONDITION: DRY START TIME: 8:30 AM
 OBSERVER: CATHY BUENDIA END TIME: 10:00 AM *VAL*

DIRECTION: <u>EASTBOUND</u>						
MPH	5	NUMBER OF VEHICLES			30	TOTAL
		10	15	20		
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47	/					1
46	/					1
45	/					1
44	/					1
43	/					2
42	/					2
41	/					3
40	/					3
39	/	/				6
38	/	/	/			3
37	/	/	/	/		3
36	/	/	/	/	/	10
35	/	/	/	/	/	6
34	/	/	/	/	/	4
33	/	/	/	/	/	4
32	/	/	/	/	/	4
31	/					1
30	/					3
29	/					1
28						
27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

DIRECTION: <u>EASTBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	5	NUMBER OF VEHICLES			30	TOTAL		
		10	15	20				
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48						1		48
47	/					1		47
46	/					2		46
45	/					2		45
44	/					2		44
43	/	/	/	/	/	5		43
42	/	/	/	/	/	7		42
41	/	/	/	/	/	2		41
40	/	/	/	/	/	5		40
39	/	/	/	/	/	10		39
38	/	/	/	/	/	9		38
37	/	/	/	/	/	8		37
36	/	/	/	/	/	16		36
35	/	/	/	/	/	12		35
34	/	/	/	/	/	4		34
33	/	/	/	/	/	7		33
32	/	/	/	/	/	12		32
31	/					7		31
30	/					0		30
29	/					3		29
28						1		28
27								27
26								26
25								25
24								24
23								23
22								22
21								21
20								20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



CAMPUS PARK DRIVE

COLLINS DR TO MARGUETTE ST

DATE: 5/24/2013

SURVEY BY: C. BUENDIA

TIME: 1:00 PM - 1:45 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF COLLINS
DATE OF SURVEY	6/12/2013
85th PERCENTILE	40.7 MPH
10 MPH PACE	32 - 41 MPH
PERCENT IN PACE	82.0 %
POSTED SPEED LIMIT	40 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	3
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	5,200
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - COLLINS / STOP - MARGUETTE
CROSSWALKS	AT COLLINS / MARGUETTE (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	FEW
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	PAINTED BIKE LANES AREAS OF RED CURB

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.22
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	NONE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

The recommended 40 mph speed limit is within 0.7 mph of the 85th percentile speed and meets CVC standards.

Radar Speed Survey Field Sheet

AGENCY: CITY MOORPARK
 STREET: CAMPUS PARK DRIVE
 LOCATION: COWNS DR TO MARGUETTE ST

WEATHER: SUNNY DATE: 05/24/13
 ROAD CONDITION: DRY START TIME: 1:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 1:45 PM VUL

DIRECTION: <u>WESTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48	/					
47	//					
46						
45	/					
44	/					
43	/					
42	//					
41	//					
40	//					
39	//					
38	//					
37	//					
36	//					
35	//					
34	//					
33	//					
32	//					
31	//					
30	/					
29						
28						
27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

2
 1
 3
 4
 5
 3
 7
 6
 5
 4
 4
 2

DIRECTION: <u>EASTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49	/					
48	/					
47						
46						
45	/					
44						
43	/					
42	//					
41	//					
40	//					
39	//					
38	//					
37	//					
36	//					
35	//					
34	//					
33	//					
32	//					
31	//					
30	/					
29						
28						
27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

1
 0
 0
 2
 0
 3
 3
 6
 10
 10
 4
 4
 4
 7
 6
 7
 10
 6
 2
 1

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
	50
	49
2	48
2	47
0	46
3	45
1	44
2	43
6	42
10	41
10	40
7	39
12	38
15	37
13	36
12	35
12	34
10	33
9	32
4	31
3	30
	29
	28
	27
	26
	25
	24
	23
	22
	21
	20
	19
	18
	17
	16
	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

CAMPUS PARK DRIVE

DATE: 6/12/2013

TIME: 1:00 PM - 1:45 PM

COLLINS DR TO MARGUETTE ST

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 99.2%
47						X 97.7%
46						X 96.2%
45						X 96.2%
44						X 94.0%
43						X 93.2%
42						X 91.7%
41						X 87.2% }PACE
40					X	80.5% }PACE ---85PCT
39					X	72.9% }PACE
38				X		67.7% }PACE
37				X		58.6% }PACE
36			X			47.4% }PACE ---MEAN
35		X				37.6% }PACE
34		X				28.6% }PACE
33	X					19.5% }PACE
32	X					12.0% }PACE ---15PCT
31	X					5.3%
30	X					2.3%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 41 MPH
 LOWER LIMIT 10 MPH PACE: 32 MPH
 PERCENT OVER PACE: 12.8 %
 PERCENT IN PACE: 82.0 %
 PERCENT UNDER PACE: 5.3 %

85th PERCENTILE SPEED: 40.7 MPH
 MEDIAN SPEED: 36.2 MPH
 15th PERCENTILE SPEED: 32.4 MPH

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



CAMPUS PARK DRIVE

MARGUETTE ST TO PRINCETON AVE

DATE: 5/24/2013

SURVEY BY: C. BUENDIA

TIME: 1:45 PM - 2:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF JULLIARD
DATE OF SURVEY	6/12/2013
85th PERCENTILE	45.8 MPH
10 MPH PACE	38 - 47 MPH
PERCENT IN PACE	84.3 %
POSTED SPEED LIMIT	45 MPH
	ELECTRONIC RADAR SPEED FEEDBACK (EB)

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	3,800
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	STOP - MARGUETTE
CROSSWALKS	AT MARGUETTE (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	FEW
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	PAINTED BIKE LANES NO PARKING 1st-3rd TUES, STREET SWEEPING

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.59
VERTICAL CURVE	SLIGHT UPHILL GRADE (WB)
HORIZONTAL CURVE	GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND BUS STOPS

ADJACENT LAND USE	RESIDENTIAL (non-fronting)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

The recommended 45 mph speed limit is within 0.8 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

CAMPUS PARK DRIVE

DATE: 6/12/2013

TIME: 1:45 PM - 2:30 PM

MARGUETTE ST TO PRINCETON AVE

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	98.6%
49					X	97.9%
48					X	94.3%
47					X	90.7% }PACE
46					X	86.4% }PACE
45					X	78.6% }PACE ---85PCT
44				X		66.4% }PACE
43			X			52.1% }PACE
42		X				38.6% }PACE ---MEAN
41		X				29.3% }PACE
40		X				20.7% }PACE
39		X				15.0% }PACE ---15PCT
38		X				10.7% }PACE
37	X					6.4%
36	X					3.6%
35	X					1.4%
34	X					0.0%
33	X					0.0%
32	X					0.0%
31	X					0.0%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 47 MPH
 LOWER LIMIT 10 MPH PACE: 38 MPH
 PERCENT OVER PACE: 9.3 %
 PERCENT IN PACE: 84.3 %
 PERCENT UNDER PACE: 6.4 %

85th PERCENTILE SPEED: 45.8 MPH
 MEDIAN SPEED: 42.8 MPH
 15th PERCENTILE SPEED: 39.0 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: CAMPUS PARK DRIVE
 LOCATION: MARGUETTE ST TO PRINCETON AVE

WEATHER: SUNNY DATE: 05/24/13
 ROAD CONDITION: DRY START TIME: 1:45 PM
 OBSERVER: CATHY BUENDIA END TIME: 2:30 PM *VML*

DIRECTION: <u>WESTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51	/					
50	/					
49	/					
48	/					
47	/					
46	/	/				
45	/	/	/			
44	/	/	/	/		
43	/	/	/	/		
42	/	/	/	/	/	
41	/	/	/	/	/	
40	/	/	/	/	/	
39	/	/	/	/	/	
38	/	/	/	/	/	
37	/	/	/	/	/	
36	/	/	/	/	/	
35	/	/	/	/	/	
34						
33						
32						
31						
30						
29						
28						
27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

2
0
3
3
5
7
12
17
17
5
4
2
5
4
4
2

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>EASTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50	/					
49	/					
48	/					
47	/					
46	/					
45	/					
44	/	/				
43	/	/	/			
42	/	/	/	/		
41	/	/	/	/		
40	/	/	/	/		
39	/	/	/	/		
38	/	/	/	/		
37	/	/	/	/		
36	/	/	/	/		
35	/	/	/	/		
34						
33						
32						
31						
30						
29						
28						
27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

1
2
3
3
4
5
5
5
6
7
8
8
7
4
4
4
0
1
2

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
2	51
2	50
5	49
5	48
6	47
11	46
17	45
20	44
19	43
13	42
12	41
8	40
6	39
6	38
4	37
4	36
3	35
2	34
	33
	32
	31
	30
	29
	28
	27
	26
	25
	24
	23
	22
	21
	20
	19
	18
	17
	16
	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



CAMPUS PARK DRIVE

PRINCETON AVE TO WEST END

DATE: 6/6/2013

SURVEY BY: C. BUENDIA

TIME: 4:45 PM - 6:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF LOYOLA
DATE OF SURVEY	6/6/2013
85th PERCENTILE	39.7 MPH
10 MPH PACE	29 - 38 MPH
PERCENT IN PACE	72.5 %
POSTED SPEED LIMIT	35 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	850
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	NONE
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	PAINTED BIKE LANES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.27
VERTICAL CURVE	CONSTANT SLIGHT-GRADUAL UPHILL GRADE (WB)
HORIZONTAL CURVE	GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE AND PAINTED LEFT MEDIAN

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / RUSTIC CANYON GOLF COURSE (at end)
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

The recommended 35 mph speed limit is within 4.7 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

CAMPUS PARK DRIVE

DATE: 6/6/2013

TIME: 4:45 PM - 6:00 PM

PRINCETON AVE TO WEST END

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	98.9%
45					X	98.9%
44					X	97.8%
43					X	97.8%
42					X	94.5%
41					X	90.1%
40					X	86.8%
39					X	81.3% ---85PCT
38					X	79.1% }PACE
37					X	73.6% }PACE
36					X	67.0% }PACE
35					X	60.4% }PACE
34					X	46.2% }PACE ---MEAN
33					X	38.5% }PACE
32					X	30.8% }PACE
31					X	23.1% }PACE
30					X	19.8% }PACE
29					X	11.0% }PACE ---15PCT
28					X	6.6%
27					X	3.3%
26					X	2.2%
25					X	2.2%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 38 MPH
 LOWER LIMIT 10 MPH PACE: 29 MPH
 PERCENT OVER PACE: 20.9 %
 PERCENT IN PACE: 72.5 %
 PERCENT UNDER PACE: 6.6 %

85th PERCENTILE SPEED: 39.7 MPH
 MEDIAN SPEED: 34.3 MPH
 15th PERCENTILE SPEED: 29.5 MPH

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: CAMPUS PARK DRIVE
 LOCATION: PRINCETON AVE TO WEST END

WEATHER: SUNNY DATE: 06/06/13
 ROAD CONDITION: DRY START TIME: 4:45 PM
 OBSERVER: CATHY BUENDIA END TIME: 6:00 PM *VM*

DIRECTION: WESTBOUND							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47	/						
46	/						0
45	/						0
44	/						0
43	/	/					0
42	/	/	/				0
41	/	/	/	/			0
40	/	/	/	/	/		0
39	/	/	/	/	/		0
38	/	/	/	/	/		0
37	/	/	/	/	/		0
36	/	/	/	/	/		0
35	/	/	/	/	/		0
34	/	/	/	/	/		0
33	/	/	/	/	/		0
32	/	/	/	/	/		0
31	/	/	/	/	/		0
30	/	/	/	/	/		0
29	/	/	/	/	/		0
28	/	/	/	/	/		0
27							
26							
25							
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

DIRECTION: EASTBOUND								CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES						TOTAL		
	5	10	15	20	25	30			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48									48
47								0	47
46								0	46
45								0	45
44								0	44
43	/						1	0	43
42	/						2	0	42
41	/						0	0	41
40	/						0	0	40
39	/						0	0	39
38	/						2	0	38
37	/						2	0	37
36	/	/					4	0	36
35	/	/	/				6	0	35
34	/	/	/	/			6	0	34
33	/	/	/	/			2	0	33
32	/	/	/	/			3	0	32
31	/	/	/	/			2	0	31
30	/	/	/	/			2	0	30
29	/	/	/	/			4	0	29
28	/	/	/	/			2	0	28
27							0	0	27
26							0	0	26
25	/	/					2	0	25
24									24
23									23
22									22
21									21
20									20
19									19
18									18
17									17
16									16
15									15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



CEDAR SPRINGS STREET

MOUNTAIN TRAIL ST TO MOUNTAIN MEADOW DR

DATE: 6/14/2013

SURVEY BY: C. BUENDIA

TIME: 9:00 AM - 10:00 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF HONEYBROOK
DATE OF SURVEY	4/14/2013
85th PERCENTILE	33.9 MPH
10 MPH PACE	27 - 36 MPH
PERCENT IN PACE	86.5 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	2
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,300
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - MOUNTAIN TRAIL / MOUNTAIN MEDADOW
CROSSWALKS	AT MOUNTAIN TRAIL (sch)
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.28
VERTICAL CURVE	GRADUAL DOWNHILL GRADE (SB)
HORIZONTAL CURVE	GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / FIRE STATION
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 30 mph speed limit is within 3.9 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

CITY OF MOORPARK



CEDAR SPRINGS STREET

MOUNTAIN TRAIL ST TO MOUNTAIN MEADOW DR

DATE: 4/14/2013

SURVEY BY:

C. BUENDIA

TIME: 9:00 AM - 10:00 AM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 98.1%
38						X 98.1%
37					X	96.2%
36					X	95.2% }PACE
35					X	91.3% }PACE
34					X	85.6% }PACE
33				X		78.8% }PACE ---85PCT
32				X		71.2% }PACE
31			X			61.5% }PACE
30			X			46.2% }PACE ---MEAN
29		X				33.7% }PACE
28		X				22.1% }PACE
27		X				14.4% }PACE ---15PCT
26	X					8.7%
25	X					4.8%
24	X					1.9%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 36 MPH
 LOWER LIMIT 10 MPH PACE: 27 MPH
 PERCENT OVER PACE: 8.7 %
 PERCENT IN PACE: 86.5 %
 PERCENT UNDER PACE: 8.7 %

85th PERCENTILE SPEED: 33.9 MPH
 MEDIAN SPEED: 30.3 MPH
 15th PERCENTILE SPEED: 27.1 MPH

HARTZOG AND CRABILL INC.

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: CEDAR SPRINGS STREET
 LOCATION: MTN TRAIL ST. TO MTN MEADOW DR

WEATHER: SUNNY DATE: 06/14/13
 ROAD CONDITION: DRY START TIME: 9:00 AM
 OBSERVER: CATHY BUENDIA END TIME: 10:00 AM JLW

DIRECTION: <u>SOUTHBOUND</u>						
MPH	5	NUMBER OF VEHICLES			30	TOTAL
		10	15	20		
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40						
39						
38						
37	/					2
36	/					2
35	/					4
34	/					3
33	/					4
32	/					4
31	/					9
30	/					7
29	/					5
28	/					4
27	/					3
26	/					2
25	/					2
24	/					1
23						
22						
21						
20						
19						
18						
17						
16						
15						

DIRECTION: <u>NORTHBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	5	NUMBER OF VEHICLES			30	TOTAL		
		10	15	20				
60							60	
59							59	
58							58	
57							57	
56							56	
55							55	
54							54	
53							53	
52							52	
51							51	
50							50	
49							49	
48							48	
47							47	
46							46	
45							45	
44							44	
43							43	
42							42	
41							41	
40	/					2	2	
39	/					0	0	
38	/					2	2	
37	/					2	4	
36	/					2	6	
35	/					2	8	
34	/					4	12	
33	/					4	16	
32	/					6	22	
31	/					7	29	
30	/					6	35	
29	/					4	39	
28	/					4	43	
27	/					3	46	
26	/					2	48	
25	/					1	49	
24	/					1	50	
23							50	
22							50	
21							50	
20							50	
19							50	
18							50	
17							50	
16							50	
15							50	

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



CHAMPIONSHIP DRIVE

WALNUT CANYON RD TO GRIMES RD

DATE: 6/6/2013
 TIME: 2:00 PM - 3:00 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF SNEAD
DATE OF SURVEY	6/6/2013
85th PERCENTILE	46.9 MPH
10 MPH PACE	38 - 47 MPH
PERCENT IN PACE	80.6 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	2
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	550
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - WALNUT CANYON / COUNTRY CLUB / GRIMES CANYON
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	NO (Local Deliveries Only)
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	1.74
VERTICAL CURVE	CONSTANT GRADUAL-MODERATE UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES (EB) / NO
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE RADAR SPEED FEEDBACK SIGN

ADJACENT LAND USE	RESIDENTIAL (nf) / EQUESTRAIN TRAILS / COUNTRY CLUBHOUSE / GOLF COURSE
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

The recommended 45 mph speed limit is within 1.9 mph of the 85th percentile speed and meets CVC standards.

*25 mph When Children Present, School Zone
 (nf) non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

CHAMPIONSHIP DRIVE

DATE: 6/6/2013

TIME: 2:00 PM - 3:00 PM

WALNUT CANYON RD TO GRIMES RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	97.8%
51					X	97.8%
50					X	95.7%
49					X	92.8%
48					X	86.3%
47					X	85.6% }PACE
46				X		79.9% }PACE ---85PCT
45				X		73.4% }PACE
44			X			58.3% }PACE
43			X			48.9% }PACE ---MEAN
42		X				41.0% }PACE
41		X				29.5% }PACE
40		X				23.7% }PACE
39	X					13.7% }PACE ---15PCT
38	X					8.6% }PACE
37	X					5.0%
36	X					4.3%
35	X					4.3%
34	X					2.9%
33	X					2.2%
32	X					2.2%
31	X					0.7%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 47 MPH
 LOWER LIMIT 10 MPH PACE: 38 MPH
 PERCENT OVER PACE: 14.4 %
 PERCENT IN PACE: 80.6 %
 PERCENT UNDER PACE: 5.0 %

85th PERCENTILE SPEED: 46.9 MPH
 MEDIAN SPEED: 43.1 MPH
 15th PERCENTILE SPEED: 39.1 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: CHAMPIONSHIP DRIVE
 LOCATION: WALNUT CANYON RD TO GRIMES CANYON RD

WEATHER: SUNNY DATE: 06/06/13
 ROAD CONDITION: DRY START TIME: 2:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 3:00 PM VAL

DIRECTION: <u>WESTBOUND</u>							
MPH	NUMBER OF VEHICLES					TOTAL	
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53	/						
52	/						
51	/	/					
50	/	/	/				
49	/	/	/	/			
48	/	/	/	/	/		
47	/	/	/	/	/	/	
46	/	/	/	/	/	/	
45	/	/	/	/	/	/	
44	/	/	/	/	/	/	
43	/	/	/	/	/	/	
42	/	/	/	/	/	/	
41	/	/	/	/	/	/	
40	/	/	/	/	/	/	
39	/	/	/	/	/	/	
38	/	/	/	/	/	/	
37	/	/	/	/	/	/	
36	/	/	/	/	/	/	
35	/	/	/	/	/	/	
34	/	/	/	/	/	/	
33	/	/	/	/	/	/	
32	/	/	/	/	/	/	
31	/	/	/	/	/	/	
30	/	/	/	/	/	/	
29	/	/	/	/	/	/	
28	/	/	/	/	/	/	
27	/	/	/	/	/	/	
26	/	/	/	/	/	/	
25	/	/	/	/	/	/	
24	/	/	/	/	/	/	
23	/	/	/	/	/	/	
22	/	/	/	/	/	/	
21	/	/	/	/	/	/	
20	/	/	/	/	/	/	
19	/	/	/	/	/	/	
18	/	/	/	/	/	/	
17	/	/	/	/	/	/	
16	/	/	/	/	/	/	
15	/	/	/	/	/	/	

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>EASTBOUND</u>								CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL			
	5	10	15	20	25	30			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53	/	/					2	3	53
52	/	/					0	3	52
51	/	/					2	5	51
50	/	/	/				1	6	50
49	/	/	/	/			2	8	49
48	/	/	/	/	/		0	8	48
47	/	/	/	/	/	/	2	10	47
46	/	/	/	/	/	/	5	15	46
45	/	/	/	/	/	/	1	16	45
44	/	/	/	/	/	/	1	17	44
43	/	/	/	/	/	/	3	20	43
42	/	/	/	/	/	/	2	22	42
41	/	/	/	/	/	/	2	24	41
40	/	/	/	/	/	/	2	26	40
39	/	/	/	/	/	/	2	28	39
38	/	/	/	/	/	/	2	30	38
37	/	/	/	/	/	/	0	30	37
36	/	/	/	/	/	/	0	30	36
35	/	/	/	/	/	/	0	30	35
34	/	/	/	/	/	/	0	30	34
33	/	/	/	/	/	/	0	30	33
32	/	/	/	/	/	/	1	31	32
31	/	/	/	/	/	/		31	31
30	/	/	/	/	/	/		30	30
29	/	/	/	/	/	/		29	29
28	/	/	/	/	/	/		28	28
27	/	/	/	/	/	/		27	27
26	/	/	/	/	/	/		26	26
25	/	/	/	/	/	/		25	25
24	/	/	/	/	/	/		24	24
23	/	/	/	/	/	/		23	23
22	/	/	/	/	/	/		22	22
21	/	/	/	/	/	/		21	21
20	/	/	/	/	/	/		20	20
19	/	/	/	/	/	/		19	19
18	/	/	/	/	/	/		18	18
17	/	/	/	/	/	/		17	17
16	/	/	/	/	/	/		16	16
15	/	/	/	/	/	/		15	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



CHARLES STREET

MOORPARK AVE TO HEDYLAND CT

DATE: 06/205/2013

SURVEY BY: C. BUENDIA

TIME: 12:00 PM - 1:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF BARD
DATE OF SURVEY	6/5/2013
85th PERCENTILE	29.0 MPH
10 MPH PACE	22 - 31 MPH
PERCENT IN PACE	88.3 %
POSTED SPEED LIMIT	25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	36
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	2
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	750
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - SPRING / STOP - MOORPARK / WALNUT
CROSSWALKS	AT WALNUT / SPRING
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	NO
ON-STREET PARKING	HEAVY
OTHER	NO PKNG THURS 8am-5pm (STREET SWEEPING) 20 MIN. LOADING ZONE CUTOUT W/YELLOW CURB AT 344 CHARLES WATCH DOWNHILL SPEED SIGNS (WB)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.65
VERTICAL CURVE	SLIGHT-GRADUAL UP/DOWNHILL AND GRADUAL UPHILL EB EAST OF SPRING
HORIZONTAL CURVE	SLIGHT-GRADUAL "S" CURVES EAST OF SPRING
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (areas of slight)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / MANY
STREET LIGHTING	YES
OTHER	YELLOW SINGLE DASHED CENTERLINE (W.OF SPRING) COMMERCIAL VEHICLES OVER 3 TONS PROHIBITTED

ADJACENT LAND USE	RESIDENTIAL (facing) / MAGNOLIA PARK
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RECOMMENDED SPEED LIMIT	25 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 25 mph speed limit is within 4.0 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

CHARLES STREET

DATE: 8/2/2006

TIME: 12:00 PM - 1:30 PM

MOORPARK AVE TO HEDYLAND CT

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 100.0%
38						X 100.0%
37						X 100.0%
36						X 100.0%
35						X 100.0%
34						X 98.9%
33						X 97.9%
32						X 94.7%
31						X 91.5% }PACE
30						X 88.3% }PACE
29						X 85.1% }PACE
28						X 77.7% }PACE ---85PCT
27						X 74.5% }PACE
26						X 68.1% }PACE
25						X 54.3% }PACE
24						X 34.0% }PACE ---MEAN
23						X 20.2% }PACE
22						X 9.6% }PACE ---15PCT
21	X	X				X 3.2%
20	X					X 0.0%
19	X					X 0.0%
18	X					X 0.0%
17	X					X 0.0%
16	X					X 0.0%
15	X					X 0.0%

UPPER LIMIT 10 MPH PACE: 31 MPH
 LOWER LIMIT 10 MPH PACE: 22 MPH
 PERCENT OVER PACE: 11.7 %
 PERCENT IN PACE: 88.3 %
 PERCENT UNDER PACE: 3.2 %

85th PERCENTILE SPEED: 29.0 MPH
 MEDIAN SPEED: 24.8 MPH
 15th PERCENTILE SPEED: 22.5 MPH

HARTZOG AND CRABILL INC.

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: CHARLES STREET
 LOCATION: MOORPARK AVE TO HEDYLAND CT

WEATHER: SUNNY DATE: 06/14/13
 ROAD CONDITION: DRY START TIME: 2:30 PM
 OBSERVER: CATHY BUENDIA END TIME: 3:30 PM VGL

DIRECTION: <u>EASTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40						
39						
38						
37						
36						
35	/					1
34	/					1
33	/					1
32	/					2
31	/					2
30	/					2
29	/	/				4
28	/	/				0
27	/	/				2
26	/	/	/			6
25	/	/	/	/		9
24	/	/	/	/		6
23	/	/	/	/		4
22	/	/	/	/		3
21						
20						
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>WESTBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25	30		
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44								44
43								43
42								42
41								41
40								40
39								39
38								38
37								37
36								36
35								35
34								34
33	/						2	33
32	/						2	32
31	/						1	31
30	/						1	30
29	/	/					3	29
28	/	/					3	28
27	/	/	/				4	27
26	/	/	/	/			7	26
25	/	/	/	/	/		10	25
24	/	/	/	/	/		7	24
23	/	/	/	/	/		6	23
22	/	/	/	/	/		3	22
21	/	/	/	/	/		3	21
20								20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



CHRISTIAN BARRETT DRIVE

SPRING ST TO PEACH HILL RD

DATE: 6/14/2013

SURVEY BY: C. BUENDIA

TIME: 11:30 AM - 12:45 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF CEDAR PINE
DATE OF SURVEY	6/14/2013
85th PERCENTILE	32.3 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	86.9 %
POSTED SPEED LIMIT	25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	2
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	550
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - PEACH HILL / TRAILCREST / N.CEDARPINE / SOUTHAMPTON / SPRING
CROSSWALKS	AT PEACH HILL (sch) / TRAILCREST (sch) / N.CEDARPINE (sch)
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	NO
ON-STREET PARKING	YES (heavy)
OTHER	NO PARKING 1st-3rd TUES, STREET SWEEPING AREAS OF NO PARKING ANYTIME

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.80
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	PARTIAL DBL YELLOW CENTERLINE

ADJACENT LAND USE	RESIDENTIAL / PEACH HILL ELEMENTARY SCHOOL & PARK
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RECOMMENDED SPEED LIMIT	25 MPH
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SPEED LIMIT CHANGE	RESIDENT DISTRICT CVC 515
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JUSTIFICATION:

Christian Barrett Drive is a two lane residential roadway with heavy on-street parking, and Peach Hill Elementary School and Park at Peach Hill Road. Although the 85th percentile speed is 32.3 mph, the need to retain the CVC defined lower speed is based on (1), 55 single-family dwellings in a 0.47 section between Cedar Pine and Southhampton and, (2) heavy direct access driveways, and (3) heavy pedestrian traffic near elementary school. This segment meets the requirement for the CVC 515 "Resident District". Therefore with all these factors, it is recommended that the City establish the segment of Christian Barrett Drive a Resident District".

*25 mph When Children Present, School Zone
(rf) non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

CHRISTIAN BARRETT DRIVE

DATE: 6/14/2013

TIME: 11:30 AM - 12:45 PM

SPRING ST TO PEACH HILL RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	100.0%
38					X	100.0%
37					X	99.0%
36					X	94.9%
35					X	90.9%
34					X	90.9%
33					X	88.9% }PACE
32					X	87.9% }PACE
31					X	83.8% }PACE ---85PCT
30					X	78.8% }PACE
29					X	73.7% }PACE
28					X	59.6% }PACE
27					X	46.5% }PACE ---MEAN
26					X	29.3% }PACE
25					X	17.2% }PACE
24					X	10.1% }PACE ---15PCT
23					X	2.0%
22					X	2.0%
21					X	1.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 11.1 %
 PERCENT IN PACE: 86.9 %
 PERCENT UNDER PACE: 2.0 %

85th PERCENTILE SPEED: 32.3 MPH
 MEDIAN SPEED: 28.3 MPH
 15th PERCENTILE SPEED: 25.7 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: CHRISTIAN BARRETT DRIVE
 LOCATION: SPRINGST TO PEACH HILL RD

WEATHER: SUNNY DATE: 06/14/13
 ROAD CONDITION: DRY START TIME: 11:30 AM
 OBSERVER: CATHY BUENDIA END TIME: 12:45 PM *VAL*

DIRECTION: WESTBOUND						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40						
39						
38	/					
37	/					
36	/					
35	/					
34	/					
33	/					
32	/	/				
31	/	/	/			
30	/	/	/	/		
29	/	/	/	/	/	
28	/	/	/	/	/	
27	/	/	/	/	/	
26	/	/	/	/	/	
25	/	/	/	/	/	
24	/	/	/	/	/	
23	/	/	/	/	/	
22	/	/	/	/	/	
21						
20						
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: EASTBOUND							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25		30	
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44								44
43								43
42								42
41								41
40								40
39	/						3	39
38	/						2	38
37	/						2	37
36	/						0	36
35	/						2	35
34	/						0	34
33	/						0	33
32	/	/					2	32
31	/	/	/				3	31
30	/	/	/	/			7	30
29	/	/	/	/	/		4	29
28	/	/	/	/	/		10	28
27	/	/	/	/	/		7	27
26	/	/	/	/	/		3	26
25	/	/	/	/	/		5	25
24	/	/	/	/	/		0	24
23	/	/	/	/	/		1	23
22	/	/	/	/	/			22
21								21
20								20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



COLLINS DRIVE

UNIVERSITY DR (E) TO CAMPUS PARK DR

DATE: 6/7/2013

SURVEY BY: C. BUENDIA

TIME: 10:15 AM - 11:15 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF SHAKESPEAR
DATE OF SURVEY	6/17/2013
85th PERCENTILE	38.7 MPH
10 MPH PACE	31 - 40 MPH
PERCENT IN PACE	92.6 %
POSTED SPEED LIMIT	35 MPH / *25 MPH
	ELECTRONIC DIGITAL RADAR SPEED FEEDBACK (SB)

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	2
TOTAL ACCIDENTS	5
ANNUAL ACCIDENT RATE	1.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	1.30 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	3,100
LANE CONFIGURATION	1 LANE (SB) / 2 LANES (NB)
TRAFFIC CONTROLS	SIGNAL - CAMPUS PARK / 118 WB OFF RAMP / UNIVERSITY
CROSSWALKS	AT CAMPUS PARK / UNIVERSITY
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	FEW
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES SPEED CHECKED BY RADAR SIGNS POSTED

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.68
VERTICAL CURVE	SLIGHT UPHILL GRADE (NB)
HORIZONTAL CURVE	MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Many areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	PAINTED MEDIAN ISLAND BUS PULL-OUT (SB)

ADJACENT LAND USE	RESIDENTIAL (nf) / MOORPARK COLLEGE / PARK / GRASS BELTWAY (NB)
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 35 mph speed limit is within 3.7 mph of the 85th percentile speed and meets CVC standards.

*25 mph When Children Present, School Zone
(nf) non-fronting

RADAR SPEED DISTRIBUTION SHEET

CITY OF MOORPARK

HCI

COLLINS DRIVE
 DATE: 6/17/2013
 TIME: 10:15 AM - 11:15 AM

UNIVERSITY DR (E) TO CAMPUS PARK DR
 SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	99.2%
41					X	96.7%
40					X	95.0% }PACE
39					X	87.6% }PACE
38					X	78.5% }PACE ---85PCT
37				X	X	70.2% }PACE
36			X	X	X	57.9% }PACE
35			X	X	X	49.6% }PACE ---MEAN
34		X	X	X	X	34.7% }PACE
33		X	X	X	X	24.8% }PACE
32		X	X	X	X	18.2% }PACE
31	X	X	X	X	X	7.4% }PACE ---15PCT
30	X	X	X	X	X	2.5%
29	X	X	X	X	X	0.8%
28	X	X	X	X	X	0.8%
27	X	X	X	X	X	0.0%
26	X	X	X	X	X	0.0%
25	X	X	X	X	X	0.0%
24	X	X	X	X	X	0.0%
23	X	X	X	X	X	0.0%
22	X	X	X	X	X	0.0%
21	X	X	X	X	X	0.0%
20	X	X	X	X	X	0.0%
19	X	X	X	X	X	0.0%
18	X	X	X	X	X	0.0%
17	X	X	X	X	X	0.0%
16	X	X	X	X	X	0.0%
15	X	X	X	X	X	0.0%

UPPER LIMIT 10 MPH PACE:	40 MPH	85th PERCENTILE SPEED:	38.7 MPH
LOWER LIMIT 10 MPH PACE:	31 MPH	MEDIAN SPEED:	35.1 MPH
PERCENT OVER PACE:	5.0 %	15th PERCENTILE SPEED:	31.7 MPH
PERCENT IN PACE:	92.6 %		
PERCENT UNDER PACE:	2.5 %		

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: COLLINS DRIVE
 LOCATION: UNIVERSITY DR (E) TO CAMPUS PARK DR

WEATHER: SUNNY DATE: 06/07/13
 ROAD CONDITION: DRY START TIME: 10:15 AM
 OBSERVER: CATHY BUENDIA END TIME: 11:15 AM VGL

DIRECTION: <u>SOUTHBOUND</u>							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
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47							
46							
45							
44							
43							
42	/						
41	/						
40	/						
39	/	/					
38	/	/	/				
37	/	/	/	/			
36	/	/	/	/	/		
35	/	/	/	/	/	/	
34	/	/	/	/	/	/	
33	/	/	/	/	/	/	
32	/	/	/	/	/	/	
31	/	/	/	/	/	/	
30	/	/	/	/	/	/	
29							
28	/						
27							
26							
25							
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

CONTINUOUS TRAFFIC

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>NORTHBOUND</u>							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
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43	/						
42	/	/					
41	/	/	/				
40	/	/	/	/			
39	/	/	/	/	/		
38	/	/	/	/	/		
37	/	/	/	/	/		
36	/	/	/	/	/		
35	/	/	/	/	/		
34	/	/	/	/	/		
33	/	/	/	/	/		
32	/	/	/	/	/		
31	/	/	/	/	/		
30	/	/	/	/	/		
29							
28							
27							
26							
25							
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

2
2
9
7
5
7
4
3
3

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
	50
	49
	48
	47
	46
	45
	44
	43
1	42
2	41
9	40
16	39
23	38
30	37
35	36
42	35
49	34
56	33
63	32
70	31
77	30
84	29
91	28
98	27
105	26
112	25
119	24
126	23
133	22
140	21
147	20
154	19
161	18
168	17
175	16
182	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



COLLINS DRIVE

CAMPUS PARK DR TO ARROYO DR

DATE: 6/7/2013

SURVEY BY: C. BUENDIA

TIME: 9:30 AM - 10:15 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF CAMPUS PARK
DATE OF SURVEY	6/7/2013
85th PERCENTILE	39.9 MPH
10 MPH PACE	30 - 39 MPH
PERCENT IN PACE	77.2 %
POSTED SPEED LIMIT	35 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	4
TOTAL ACCIDENTS	6
ANNUAL ACCIDENT RATE	2.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	2.52 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	8,700
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - CAMPUS PARK / 118 WB OFF & ON RAMPS / STOP - ARROYO
CROSSWALKS	AT CAMPUS PARK
PEDESTRIAN/BICYCLES	NO / NO
TRUCK TRAFFIC	FEW
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	SHORT DISTANCE BTWN INTERSECTIONS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.25
VERTICAL CURVE	NONE
HORIZONTAL CURVE	NONE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	PAINTED MEDIAN ISLAND

ADJACENT LAND USE	BUSINESS / 118 FWY
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 35 mph speed limit is within 4.9 mph of the 85th percentile speed and meets CVC standards.

*25 mph When Children Present, School Zone
 (nf) non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

COLLINS DRIVE

DATE: 6/7/2013

TIME: 9:30 AM - 10:15 AM

CAMPUS PARK DR TO ARROYO DR

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	99.3%
43					X	98.0%
42					X	96.0%
41					X	89.9%
40					X	85.2%
39					X	81.9% }PACE ---85PCT
38					X	77.2% }PACE
37					X	70.5% }PACE
36					X	64.4% }PACE
35					X	53.0% }PACE
34					X	40.3% }PACE ---MEAN
33					X	28.9% }PACE
32					X	19.5% }PACE
31					X	16.1% }PACE
30					X	9.4% }PACE ---15PCT
29					X	4.7%
28					X	3.4%
27					X	1.3%
26					X	0.7%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE:	39 MPH	85th PERCENTILE SPEED:	39.9 MPH
LOWER LIMIT 10 MPH PACE:	30 MPH	MEDIAN SPEED:	34.8 MPH
PERCENT OVER PACE:	18.1 %	15th PERCENTILE SPEED:	30.8 MPH
PERCENT IN PACE:	77.2 %		
PERCENT UNDER PACE:	4.7 %		

Radars Speed Survey Field Sheet

HARTZOG AND CRABILL INC.

AGENCY: CITY OF MOORPARK
 STREET: COLINS DRIVE
 LOCATION: CAMPUS PARK DR TO ARROYO DR

WEATHER: SUNNY DATE: 06/07/13
 ROAD CONDITION: DRY START TIME: 9:30 AM
 OBSERVER: CATHY BUENDIA END TIME: 10:15 AM VUL

DIRECTION: NORTHBOUND

MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42	/	/				
41	/	/	/			
40	/	/	/	/		
39	/	/	/	/	/	
38	/	/	/	/	/	
37	/	/	/	/	/	
36	/	/	/	/	/	
35	/	/	/	/	/	
34	/	/	/	/	/	
33	/	/	/	/	/	
32	/	/	/	/	/	
31	/	/	/	/	/	
30	/	/	/	/	/	
29	/	/	/	/	/	
28	/	/	/	/	/	
27	/	/	/	/	/	
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15						

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7
0

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: SOUTHBOUND

MPH	NUMBER OF VEHICLES					TOTAL	CUMULATIVE TOTAL	MPH
	5	10	15	20	25			
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44	/	/					1	44
43	/	/	/				3	43
42	/	/	/	/			5	42
41	/	/	/	/	/		7	41
40	/	/	/	/	/		5	40
39	/	/	/	/	/		7	39
38	/	/	/	/	/		6	38
37	/	/	/	/	/		9	37
36	/	/	/	/	/		4	36
35	/	/	/	/	/		12	35
34	/	/	/	/	/		10	34
33	/	/	/	/	/		8	33
32	/	/	/	/	/		5	32
31	/	/	/	/	/		3	31
30	/	/	/	/	/		2	30
29	/	/	/	/	/		2	29
28	/	/	/	/	/		2	28
27	/	/	/	/	/		1	27
26								26
25								25
24								24
23								23
22								22
21								21
20								20
19								19
18								18
17								17
16								16
15								15

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12
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2
2

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



COMMERCE DRIVE

POINDEXTER AVE TO GABBERT AVE

DATE: 6/7/2013

SURVEY BY: C. BUENDIA

TIME: 11:00 AM - 12:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF POINDEXTER
DATE OF SURVEY	6/6/2013
85th PERCENTILE	30.9 MPH
10 MPH PACE	23 - 32 MPH
PERCENT IN PACE	80.4 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	750
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - POINDEXTER / GABBERT
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	YES
ON-STREET PARKING	YES
OTHER	NO PARKING 10pM-5am (SB) SOME AREAS OF RED CURB

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.36
VERTICAL CURVE	NONE
HORIZONTAL CURVE	GRADUAL "L" SHAPE BEND
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	NO / MANY
STREET LIGHTING	YES
OTHER	

ADJACENT LAND USE	INDUSTRIAL / BUSINESS
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 30 mph speed limit is within m 0.9 mph of the 85th percentile speed and meets CVC standards.

*25 mph When Children Present, School Zone
(nf) non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

COMMERCE DRIVE

DATE: 6/6/2013

TIME: 11:00 AM - 12:00 PM

POINDEXTER AVE TO GABBERT AVE

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 100.0%
38						X 100.0%
37						X 99.1%
36						X 99.1%
35						X 98.2%
34						X 98.2%
33					X	94.6%
32					X	90.2% }PACE
31				X		86.6% }PACE
30				X		73.2% }PACE -- 85PCT
29			X			63.4% }PACE
28			X			58.0% }PACE
27		X				45.5% }PACE ---MEAN
26		X				42.0% }PACE
25		X				34.8% }PACE
24	X					20.5% }PACE
23	X					16.1% }PACE
22	X					9.8% ---15PCT
21	X					7.1%
20	X					6.3%
19	X					0.9%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 32 MPH
 LOWER LIMIT 10 MPH PACE: 23 MPH
 PERCENT OVER PACE: 9.8 %
 PERCENT IN PACE: 80.4 %
 PERCENT UNDER PACE: 9.8 %

85th PERCENTILE SPEED: 30.9 MPH
 MEDIAN SPEED: 27.4 MPH
 15th PERCENTILE SPEED: 22.8 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: COMMERCE DRIVE
 LOCATION: POINTDEXTER AVE TO GABBERT AVE

WEATHER: SUNNY DATE: 06/06/13
 ROAD CONDITION: DRY START TIME: 11:00 AM
 OBSERVER: CATHY BUENDIA END TIME: 12:00 PM JML

DIRECTION: <u>SOUTHBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40						
39						
38						
37						
36						
35						
34	/					
33	/					
32	/					
31	/	/				
30	/	/	/			
29	/	/	/	/		
28	/	/	/	/		
27	/	/	/	/		
26	/	/	/	/		
25	/	/	/	/		
24	/	/	/	/		
23	/	/	/	/		
22	/	/	/	/		
21	/	/	/	/		
20	/	/	/	/		
19	/	/	/	/		
18						
17						
16						
15						

2
 2
 7
 6
 10
 3
 4
 4
 3
 2
 3

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>NORTHBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40						
39						
38	/					
37	/					
36	/					
35	/					
34	/	/				
33	/	/				
32	/	/	/			
31	/	/	/	/		
30	/	/	/	/		
29	/	/	/	/		
28	/	/	/	/		
27	/	/	/	/		
26	/	/	/	/		
25	/	/	/	/		
24	/	/	/	/		
23	/	/	/	/		
22	/	/	/	/		
21	/	/	/	/		
20	/	/	/	/		
19						
18						
17						
16						
15						

0
 0
 0
 4
 5
 4
 15
 16
 14
 4
 8
 16
 5
 7
 3
 3
 1
 1

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
	50
	49
	48
	47
	46
	45
	44
	43
	42
	41
	40
	39
	38
	37
0	36
0	35
4	34
5	33
4	32
15	31
16	30
14	29
4	28
8	27
16	26
5	25
7	24
3	23
3	22
1	21
1	20
	19
	18
	17
	16
	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



CONDOR DRIVE

PRINCETON AVE (N) TO PRINCETON AVE (S)

DATE: 6/14/2013

SURVEY BY: C. BUENDIA

TIME: 12:45 PM - 1:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF PRINCETON (N)
DATE OF SURVEY	6/14/2013
85th PERCENTILE	33.9 MPH
10 MPH PACE	26 - 35 MPH
PERCENT IN PACE	83.8 %
POSTED SPEED LIMIT	30 MPH / *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	400
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - PRINCETON (N) / STOP - PRINCETON (S)
CROSSWALKS	AT PRINCETON (N)
PEDESTRIAN/BICYCLES	YES / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	HEAVY
OTHER	NO PARKING 10pm-5am NO STRIPING / PEDS WALK ON STREET

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.51
VERTICAL CURVE	SLIGHT
HORIZONTAL CURVE	SWEEPING "U" SHAPE CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	NO / YES
STREET LIGHTING	YES
OTHER	

ADJACENT LAND USE	INDUSTRIAL / BUSINESS / SCHOOL
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 30 mph speed limit is within m 3.9 mph of the 85th percentile speed and meets CVC standards.

*25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

CONDOR DRIVE

DATE: 6/14/2013

TIME: 12:45 PM - 1:30 PM

PRINCETON AVE (N) TO PRINCETON AVE (

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	100.0%
38					X	99.1%
37					X	98.3%
36					X	94.0%
35					X	91.5% }PACE
34					X	85.5% }PACE
33					X	79.5% }PACE ---85PCT
32					X	72.6% }PACE
31					X	62.4% }PACE
30					X	51.3% }PACE
29					X	39.3% }PACE ---MEAN
28					X	28.2% }PACE
27					X	19.7% }PACE
26					X	12.0% }PACE ---15PCT
25					X	7.7%
24	X					1.7%
23	X					0.9%
22	X					0.9%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 35 MPH
 LOWER LIMIT 10 MPH PACE: 26 MPH
 PERCENT OVER PACE: 14.5 %
 PERCENT IN PACE: 83.8 %
 PERCENT UNDER PACE: 7.7 %

85th PERCENTILE SPEED: 33.9 MPH
 MEDIAN SPEED: 29.9 MPH
 15th PERCENTILE SPEED: 26.4 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: CONDOR DRIVE
 LOCATION: PRINCETON AVE (N) TO PRINCETON AVE(S)

WEATHER: SUNNY DATE: 06/14/13
 ROAD CONDITION: DRY START TIME: 12:45 PM
 OBSERVER: CATHY BUENDIA END TIME: 1:30 PM VCL

DIRECTION: <u>EASTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40						
39						
38						
37	/					2
36	/					5
35	/	/				5
34	/	/	/			7
33	/	/	/	/		7
32	/	/	/	/	/	7
31	/	/	/	/	/	7
30	/	/	/	/	/	7
29	/	/	/	/	/	7
28	/	/	/	/	/	7
27	/	/	/	/	/	7
26	/	/	/	/	/	7
25	/	/	/	/	/	7
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16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>WESTBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25		30	
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44								44
43								43
42								42
41								41
40								40
39	/							39
38	/							38
37	/	/						37
36	/	/	/					36
35	/	/	/	/				35
34	/	/	/	/	/			34
33	/	/	/	/	/			33
32	/	/	/	/	/	/		32
31	/	/	/	/	/	/		31
30	/	/	/	/	/	/		30
29	/	/	/	/	/	/		29
28	/	/	/	/	/	/		28
27	/	/	/	/	/	/		27
26	/	/	/	/	/	/		26
25	/	/	/	/	/	/		25
24	/	/	/	/	/	/		24
23								23
22	/							22
21								21
20								20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



COUNTRY HILL DRIVE

COUNTRYWOOD DR TO MOUNTAIN TRAIL ST

DATE: 5/23/2013

SURVEY BY: C. BUENDIA

TIME: 3:00 PM - 4:15 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF SAGEWOOD
DATE OF SURVEY	5/23/2013
85th PERCENTILE	31.8 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	92.7 %
POSTED SPEED LIMIT	30 MPH / *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	700
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - MOUNTAIN TRAIL / COUNTRYWOOD
CROSSWALKS	AT MOUNTAIN TRAIL (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	BIKE LANE

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.28
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	SLIGHT - GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Areas of slight)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES (at school only)
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / ARROW WEST ELEMENTARY SCHOOL
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 30 mph speed limit is within m 1.8 mph of the 85th percentile speed and meets CVC standards.

*25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET

HCI CITY OF MOORPARK
 COUNTRY HILL DRIVE

COUNTRYWOOD DR TO MOUNTAIN TRAIL

DATE: 5/23/2013
 TIME: 3:00 PM - 4:15 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 100.0%
38						X 100.0%
37						X 100.0%
36						X 100.0%
35						X 100.0%
34						X 96.9% }PACE
33					X	X 92.7% }PACE
32					X	X 87.5% }PACE
31				X		X 76.0% }PACE ---85PCT
30			X			X 63.5% }PACE
29			X			X 47.9% }PACE ---MEAN
28		X				X 34.4% }PACE
27		X				X 21.9% }PACE
26		X				X 14.6% }PACE ---15PCT
25	X					X 11.5% }PACE
24	X					X 4.2%
23	X					X 4.2%
22	X					X 2.1%
21	X					X 1.0%
20	X					X 0.0%
19	X					X 0.0%
18	X					X 0.0%
17	X					X 0.0%
16	X					X 0.0%
15	X					X 0.0%

UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 3.1 %
 PERCENT IN PACE: 92.7 %
 PERCENT UNDER PACE: 4.2 %

85th PERCENTILE SPEED: 31.8 MPH
 MEDIAN SPEED: 29.1 MPH
 15th PERCENTILE SPEED: 26.1 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: COUNTRY HILL DRIVE
 LOCATION: COUNTRYWOOD DR. TO MOUNTAIN TRAIL ST.

WEATHER: SUNNY DATE: 05/23/13
 ROAD CONDITION: DRY START TIME: 3:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 4:15 PM ✓

DIRECTION: WESTBOUND							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44							
43							
42							
41							
40							
39							
38							
37							
36							
35							2
34	/						2
33	/						2
32	/						3
31	/						5
30	/	/					8
29	/	/					8
28	/	/					7
27	/	/					4
26	/	/					4
25	/	/					4
24							0
23	/						0
22							0
21	/						0
20							
19							
18							
17							
16							
15							

DIRECTION: EASTBOUND								CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES						TOTAL		
	5	10	15	20	25	30			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36									36
35	/							3	35
34	/							4	34
33	/							3	33
32	/							5	32
31	/							7	31
30	/	/						2	30
29	/	/						15	29
28	/	/						3	28
27	/	/						2	27
26	/	/						7	26
25	/	/						3	25
24								7	24
23	/							0	23
22	/							2	22
21								1	21
20									20
19									19
18									18
17									17
16									16
15									15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



COUNTRYWOOD DRIVE

TIERRA REJADA RD TO WOODHILL DR

DATE: 6/13/2013

SURVEY BY: C. BUENDIA

TIME: 3:45 PM - 4:45 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF SAGEWOOD
DATE OF SURVEY	6/13/2013
85th PERCENTILE	39.6 MPH
10 MPH PACE	32 - 41 MPH
PERCENT IN PACE	81.7 %
POSTED SPEED LIMIT	35 MPH / *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,050
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - TIERRA REJADA / STOP- COUNTRYHILL
CROSSWALKS	AT TIERRA REJADA (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	PAINTED BIKE LANE / BUS STOP PULL-OUTS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.65
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE

ADJACENT LAND USE	RESIDENTIAL (non-fronting)
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 35 mph speed limit is within m 4.6 mph of the 85th percentile speed and meets CVC standards.

*25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

COUNTRYWOOD DRIVE

DATE: 6/13/2013

TIME: 3:45 PM - 4:45 PM

TIERRA REJADA RD TO WOODHILL DR

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	99.1%
43					X	98.3%
42					X	96.5%
41					X	92.2% }PACE
40					X	87.8% }PACE
39					X	80.9% }PACE ---85PCT
38				X	X	70.4% }PACE
37				X		53.9% }PACE
36			X	X		40.9% }PACE ---MEAN
35			X			33.9% }PACE
34			X			31.3% }PACE
33		X				23.5% }PACE
32		X				17.4% }PACE
31	X					10.4% ---15PCT
30	X					6.1%
29	X					5.2%
28	X					4.3%
27	X					1.7%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 41 MPH
 LOWER LIMIT 10 MPH PACE: 32 MPH
 PERCENT OVER PACE: 12.2 %
 PERCENT IN PACE: 81.7 %
 PERCENT UNDER PACE: 10.4 %

85th PERCENTILE SPEED: 39.6 MPH
 MEDIAN SPEED: 36.7 MPH
 15th PERCENTILE SPEED: 31.7 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.

AGENCY: CITY OF MOORPARK
 STREET: COUNTRYWOOD DRIVE
 LOCATION: TIERRA REJADA RD TO WOODHILL DR

WEATHER: SUNNY DATE: 6/13/13
 ROAD CONDITION: DRY START TIME: 3:45 PM
 OBSERVER: CATHY BUENDIA END TIME: 4:45 PM / CAL

DIRECTION: <u>SOUTHBOUND</u>						
MPH	5	NUMBER OF VEHICLES			TOTAL	
		10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44	/					
43	/					
42	/					
41	/					
40	/	/				
39	/	/				
38	/	/	/			
37	/	/	/	/		
36	/	/	/	/		
35	/	/	/	/		
34	/	/	/	/		
33	/	/	/	/		
32	/	/	/	/		
31	/	/	/	/		
30	/	/	/	/		
29	/	/	/	/		
28	/	/	/	/		
27	/	/	/	/		
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>NORTHBOUND</u>						CUMULATIVE TOTAL	MPH
MPH	5	NUMBER OF VEHICLES			TOTAL		
		10	15	20	25	30	
60							60
59							59
58							58
57							57
56							56
55							55
54							54
53							53
52							52
51							51
50							50
49							49
48							48
47							47
46							46
45							45
44							44
43	/						43
42	/						42
41	/						41
40	/	/					40
39	/	/					39
38	/	/	/				38
37	/	/	/	/			37
36	/	/	/	/			36
35	/	/	/	/			35
34	/	/	/	/			34
33	/	/	/	/			33
32	/	/	/	/			32
31	/	/	/	/			31
30	/	/	/	/			30
29	/	/	/	/			29
28	/	/	/	/			28
27	/	/	/	/			27
26							26
25							25
24							24
23							23
22							22
21							21
20							20
19							19
18							18
17							17
16							16
15							15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



ELK RUN LOOP

RIDGECREST DR TO SPRING ST

DATE: 6/7/2013

SURVEY BY: C. BUENDIA

TIME: 1:45 PM - 3:15 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF TIMBER HOLLOW
DATE OF SURVEY	6/7/2013
85th PERCENTILE	39.4 MPH
10 MPH PACE	32 - 41 MPH
PERCENT IN PACE	87.4 %
POSTED SPEED LIMIT	NOT POSTED

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,200
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - SPRING / RIDGECREST (new signal - not turned on)
CROSSWALKS	AT SPRING
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	NO
ON-STREET PARKING	PERMITTED, NONE OBSERVED
OTHER	BIKE ROUTE

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.70
VERTICAL CURVE	SLIGHT UPHILL (EB)
HORIZONTAL CURVE	CONSTANT "U" CURVE (Loop)
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (areas of)
ROAD CONDITIONS	NEW
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND AT SPRING COLLECTOR ROADWAY TO GATED COMMUNITY

ADJACENT LAND USE	RESIDENTIAL (non-fronting)
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	POST
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JUSTIFICATION:
 This section of Elk Run Loop is a two lane collector roadway supplying access to home developments that are non-fronting to the roadway. Currently, this area has no speed posting. With the speed study results showing an 85th percentile speed of 39.4 mph and a 10 mph pace range of 32 to 41 mph, it is recommended that a 35 mph speed limit be established for this area.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

ELK RUN LOOP
 DATE: 6/7/2013
 TIME: 1:45 PM - 3:15 PM

RIDGECREST DR TO SPRING ST
 SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	99.1%
43					X	98.2%
42					X	97.3%
41					X	94.6% }PACE
40					X	91.0% }PACE
39					X	81.1% }PACE ---85PCT
38				X		72.1% }PACE
37			X			64.9% }PACE
36			X			51.4% }PACE
35		X				44.1% }PACE ---MEAN
34		X				27.0% }PACE
33		X				16.2% }PACE
32		X				15.3% }PACE
31	X					7.2% ---15PCT
30	X					4.5%
29	X					0.9%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 41 MPH
 LOWER LIMIT 10 MPH PACE: 32 MPH
 PERCENT OVER PACE: 5.4 %
 PERCENT IN PACE: 87.4 %
 PERCENT UNDER PACE: 7.2 %

85th PERCENTILE SPEED: 39.4 MPH
 MEDIAN SPEED: 35.8 MPH
 15th PERCENTILE SPEED: 32.0 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: ELK RUN LOOP
 LOCATION: RIDGECREST DR TO SPRING ST

WEATHER: SUNNY DATE: 06/07/13
 ROAD CONDITION: DRY START TIME: 1:45 PM +
 OBSERVER: CATHY BUENDIA END TIME: 3:15 PM ✓/✓

DIRECTION: WEST - SOUTHBOUND

MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45	/						
44	/						
43	/						
42	/	/					
41	/	/	/				
40	/	/	/	/			
39	/	/	/	/	/		
38	/	/	/	/	/		
37	/	/	/	/	/		
36	/	/	/	/	/		
35	/	/	/	/	/		
34	/	/	/	/	/		
33	/	/	/	/	/		
32	/	/	/	/	/		
31	/	/	/	/	/		
30	/	/	/	/	/		
29							
28							
27							
26							
25							
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

MADE OUT WITH MPH - 0

DIRECTION: EAST - NORTHBOUND

MPH	NUMBER OF VEHICLES						TOTAL	CUMULATIVE TOTAL	MPH
	5	10	15	20	25	30			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44	/								44
43	/								43
42	/	/						3	42
41	/	/	/					4	41
40	/	/	/	/				5	40
39	/	/	/	/	/			6	39
38	/	/	/	/	/			7	38
37	/	/	/	/	/			8	37
36	/	/	/	/	/			9	36
35	/	/	/	/	/	/		10	35
34	/	/	/	/	/	/		11	34
33	/	/	/	/	/	/		12	33
32	/	/	/	/	/	/		13	32
31	/	/	/	/	/	/		14	31
30	/	/	/	/	/	/		15	30
29									29
28									28
27									27
26									26
25									25
24									24
23									23
22									22
21									21
20									20
19									19
18									18
17									17
16									16
15									15

MADE OUT WITH MPH - 0

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



GABBERT ROAD

ELWIN ST TO POINDEXTER RD

DATE: 5/22/2013

SURVEY BY: C. BUENDIA

TIME: 4:00 PM - 5:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF ELWIN
DATE OF SURVEY	5/22/2013
85th PERCENTILE	35.7 MPH
10 MPH PACE	27 - 36 MPH
PERCENT IN PACE	82.3 %
POSTED SPEED LIMIT	NOT POSTED

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	650
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - POINDEXTER
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	NO / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	MANY AREAS OF NO SHOULDERS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.39
VERTICAL CURVE	SLIGHT UPHILL GRADE (NB)
HORIZONTAL CURVE	MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (entire segment)
ROAD CONDITIONS	FAIR
SIDEWALKS/DRIVEWAYS	NO / NO
STREET LIGHTING	NO
OTHER	VERY NARROW WINDING ROADWAY / DIRT SHOULDERS R x R XING AT POINTDEXTER

ADJACENT LAND USE	RANCH HOME / OPEN
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	POST
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JUSTIFICATION:
 This portion of Gabbert Road is a two lane rural roadway. Field observations include a no speed limit postings in area, narrow winding roadway, no shoulders/dirt shoulders, no stopping anytime, and areas of limited sight distance. The sight distance at Elwin Street is approximately 198 feet and the required sight distance for a 35 mph speed limit is 250 feet. Although the speed data shows an 85th percentile speed of 35.7 mph and due to limited sight distance, it is recommended that a 30 mph speed limit be established for this segment.

RADAR SPEED DISTRIBUTION SHEET

CITY OF MOORPARK



GABBERT ROAD

DATE: 5/22/2013

TIME: 4:00 PM - 5:30 PM

ELWIN ST TO POINDEXTER RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	98.7%
40					X	96.2%
39					X	96.2%
38					X	93.7%
37					X	89.9%
36					X	86.1% } PACE
35					X	82.3% } PACE ---85PCT
34				X	X	70.9% } PACE
33				X	X	60.8% } PACE
32			X	X	X	51.9% } PACE
31			X	X	X	46.8% } PACE ---MEAN
30			X	X	X	38.0% } PACE
29		X	X	X	X	32.9% } PACE
28		X	X	X	X	20.3% } PACE
27	X	X	X	X	X	11.4% } PACE ---15PCT
26	X	X	X	X	X	3.8%
25	X	X	X	X	X	1.3%
24	X	X	X	X	X	0.0%
23	X	X	X	X	X	0.0%
22	X	X	X	X	X	0.0%
21	X	X	X	X	X	0.0%
20	X	X	X	X	X	0.0%
19	X	X	X	X	X	0.0%
18	X	X	X	X	X	0.0%
17	X	X	X	X	X	0.0%
16	X	X	X	X	X	0.0%
15	X	X	X	X	X	0.0%

UPPER LIMIT 10 MPH PACE: 36 MPH
 LOWER LIMIT 10 MPH PACE: 27 MPH
 PERCENT OVER PACE: 13.9 %
 PERCENT IN PACE: 82.3 %
 PERCENT UNDER PACE: 3.8 %

85th PERCENTILE SPEED: 35.7 MPH
 MEDIAN SPEED: 31.6 MPH
 15th PERCENTILE SPEED: 27.4 MPH

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: GABBERT ROAD
 LOCATION: ELWIN ST. TO POINDEXTER

WEATHER: SUNNY DATE: 05/22/13
 ROAD CONDITION: DRY START TIME: 4:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 5:30 PM JCM

DIRECTION: <u>NORTHBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41	/					1
40	/					0
39	/					
38	/					
37	/					
36	/					
35	/	/				4
34	/	/				3
33	/	/				4
32	/	/				4
31	/	/	/			6
30	/	/	/			3
29	/	/	/			5
28	/	/	/			4
27	/	/	/			4
26	/	/	/			2
25	/	/	/			1
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

DIRECTION: <u>SOUTHBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25		30	
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44								44
43								43
42	/						1	42
41	/						2	41
40	/						0	40
39	/						2	39
38	/	/					2	38
37	/	/					3	37
36	/	/					2	36
35	/	/	/				5	35
34	/	/	/				5	34
33	/	/	/				3	33
32	/	/	/				0	32
31	/	/	/				1	31
30	/	/	/				4	30
29	/	/	/				3	29
28	/	/	/				2	28
27	/	/	/				2	27
26	/	/	/				2	26
25	/	/	/				1	25
24								24
23								23
22								22
21								21
20								20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



GABBERT ROAD

POINDEXTER RD TO LOS ANGELES AVE

DATE: 5/24/2013

SURVEY BY: C. BUENDIA

TIME: 10:00 AM - 11:00 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF COMMERCE
DATE OF SURVEY	5/24/2013
85th PERCENTILE	41.0 MPH
10 MPH PACE	32 - 41 MPH
PERCENT IN PACE	75.6 %
POSTED SPEED LIMIT	40 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	1.34 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	3,300
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LOS ANGELES / STOP - POINDEXTER
CROSSWALKS	AT LOS ANGELES
PEDESTRIAN/BICYCLES	FEW / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	PAINTED BIKE LANES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.31
VERTICAL CURVE	NONE
HORIZONTAL CURVE	NONE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW (NB) - NO / NO (SB)
STREET LIGHTING	YES
OTHER	TWO WAY RPM MEDIAN R x R XING AT POINTDEXTER

ADJACENT LAND USE	INDUSTRIAL / BUSINESS / SCE FACILITY
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph is within 1.0 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

GABBERT ROAD

DATE: 5/24/2013

TIME: 10:00 AM - 11:00 AM

POINDEXTER RD TO LOS ANGELES AVE

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 98.8%
45						X 96.9%
44						X 96.3%
43						X 93.1%
42						X 87.5%
41						X 85.6% }PACE
40						X 73.1% }PACE -- -85PCT
39						X 65.0% }PACE
38						X 58.1% }PACE
37						X 48.1% }PACE ---MEAN
36						X 37.5% }PACE
35						X 30.0% }PACE
34						X 22.5% }PACE
33						X 20.0% }PACE
32						X 12.5% }PACE ---15PCT
31						X 10.0%
30						X 9.4%
29						X 6.3%
28						X 6.3%
27						X 4.4%
26						X 3.1%
25						X 1.9%
24						X 1.3%
23						X 1.3%
22						X 1.3%
21						X 0.6%
20						X 0.6%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 41 MPH
 LOWER LIMIT 10 MPH PACE: 32 MPH
 PERCENT OVER PACE: 14.4 %
 PERCENT IN PACE: 75.6 %
 PERCENT UNDER PACE: 10.0 %

85th PERCENTILE SPEED: 41.0 MPH
 MEDIAN SPEED: 37.2 MPH
 15th PERCENTILE SPEED: 32.3 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: GABBERT ROAD
 LOCATION: POINDEXTER RD TO LOS ANGELES AVE

WEATHER: SUNNY DATE: 05/24/13
 ROAD CONDITION: DRY START TIME: 10:00 AM
 OBSERVER: CATHY BUENDIA END TIME: 11:00 AM ✓ML

DIRECTION: <u>NORTHBOUND</u>							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44	/						
43	/	/					4
42	/	/	/				0
41	/	/	/	/			9
40	/	/	/	/	/		6
39	/	/	/	/	/		5
38	/	/	/	/	/		5
37	/	/	/	/	/		3
36	/	/	/	/	/		5
35	/	/	/	/	/		3
34	/	/	/	/	/		3
33	/	/	/	/	/		7
32	/	/	/	/	/		0
31	/	/	/	/	/		0
30	/	/	/	/	/		2
29	/	/	/	/	/		0
28	/	/	/	/	/		2
27	/	/	/	/	/		2
26	/	/	/	/	/		2
25	/	/	/	/	/		0
24	/	/	/	/	/		0
23	/	/	/	/	/		0
22	/	/	/	/	/		0
21	/	/	/	/	/		0
20	/	/	/	/	/		1
19							
18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>SOUTHBOUND</u>								CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES						TOTAL		
	5	10	15	20	25	30			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48									48
47	/	/	/	/	/	/	2	2	47
46	/	/	/	/	/	/	3	5	46
45	/	/	/	/	/	/	1	6	45
44	/	/	/	/	/	/	4	10	44
43	/	/	/	/	/	/	5	15	43
42	/	/	/	/	/	/	3	18	42
41	/	/	/	/	/	/	11	29	41
40	/	/	/	/	/	/	7	36	40
39	/	/	/	/	/	/	6	42	39
38	/	/	/	/	/	/	8	50	38
37	/	/	/	/	/	/	8	58	37
36	/	/	/	/	/	/	9	67	36
35	/	/	/	/	/	/	4	71	35
34	/	/	/	/	/	/	4	75	34
33	/	/	/	/	/	/	5	80	33
32	/	/	/	/	/	/	3	83	32
31	/	/	/	/	/	/	1	84	31
30	/	/	/	/	/	/	3	87	30
29	/	/	/	/	/	/	0	87	29
28	/	/	/	/	/	/	1	88	28
27	/	/	/	/	/	/	1	89	27
26	/	/	/	/	/	/	1	90	26
25	/	/	/	/	/	/	1	91	25
24	/	/	/	/	/	/	1	92	24
23	/	/	/	/	/	/	1	93	23
22	/	/	/	/	/	/	1	94	22
21	/	/	/	/	/	/	1	95	21
20	/	/	/	/	/	/	1	96	20
19								96	19
18								96	18
17								96	17
16								96	16
15								96	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



HIGH STREET

SPRING ST TO MOORPARK AVE

DATE: 6/7/2013
TIME: 12:30 PM - 1:15 PM

SURVEY BY: C. BUENDIA
CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF SPRING
DATE OF SURVEY	6/7/2013
85th PERCENTILE	32.8 MPH
10 MPH PACE	26 - 35 MPH
PERCENT IN PACE	85.3 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	3
TOTAL ACCIDENTS	5
ANNUAL ACCIDENT RATE	1.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	1.28 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	7,650
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - SPRING / MOORPARK
CROSSWALKS	AT SPRING / MOORPARK
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	YES (heavy)
OTHER	PAINTED BIKE LANES AREAS OF RED CURB / 2 HOUR PKNG 6am-6pm

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.42
VERTICAL CURVE	NONE
HORIZONTAL CURVE	NONE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	NO
OTHER	DBL YELLOW CENTERLINE BUS STOPS

ADJACENT LAND USE	DOWNTOWN SHOPS (dense) / RESTUARANTS / FIRE STATION / BUSINESS
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 30 mph is within 2.8 mph of the 85th percentile speed and meets CVC standards.

*25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

HIGH STREET

DATE: 6/7/2013

TIME: 12:30 PM - 1:15 PM

SPRING ST TO MOORPARK AVE

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 99.4%
38						X 99.4%
37						X 98.9%
36						X 97.7%
35						X 97.7% }PACE
34					X	X 91.0% }PACE
33					X	X 87.0% }PACE
32				X	X	X 76.8% }PACE ---85PCT
31				X		X 68.4% }PACE
30			X			X 59.9% }PACE
29			X			X 46.3% }PACE ---MEAN
28		X	X			X 34.5% }PACE
27		X				X 24.3% }PACE
26	X					X 15.8% }PACE
25	X					X 12.4% ---15PCT
24	X					X 6.2%
23	X					X 4.0%
22	X					X 4.0%
21	X					X 3.4%
20	X					X 2.8%
19	X					X 1.1%
18	X					X 0.6%
17	X					X 0.0%
16	X					X 0.0%
15	X					X 0.0%

UPPER LIMIT 10 MPH PACE: 35 MPH
 LOWER LIMIT 10 MPH PACE: 26 MPH
 PERCENT OVER PACE: 2.3 %
 PERCENT IN PACE: 85.3 %
 PERCENT UNDER PACE: 12.4 %

85th PERCENTILE SPEED: 32.8 MPH
 MEDIAN SPEED: 29.3 MPH
 15th PERCENTILE SPEED: 25.8 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: HIGH STREET
 LOCATION: SPRING ST TO MOORPARK AVE

WEATHER: SUNNY DATE: 06/07/13
 ROAD CONDITION: DRY START TIME: 12:30 PM
 OBSERVER: CATHY BUENDIA END TIME: 1:15 PM VGL

DIRECTION: <u>EASTBOUND</u>	MPH	NUMBER OF VEHICLES					TOTAL
		5	10	15	20	25	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44							
43							
42							
41							
40	/						1
39							0
38	/						2
37	/						2
36							0
35	/	/	/	/	/	/	7
34	/	/	/	/	/	/	4
33	/	/	/	/	/	/	7
32	/	/	/	/	/	/	8
31	/	/	/	/	/	/	7
30	/	/	/	/	/	/	7
29	/	/	/	/	/	/	7
28	/	/	/	/	/	/	3
27	/	/	/	/	/	/	7
26	/	/	/	/	/	/	7
25	/	/	/	/	/	/	3
24	/	/	/	/	/	/	0
23							
22							
21							
20							
19							
18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>WESTBOUND</u>	MPH	NUMBER OF VEHICLES					TOTAL
		5	10	15	20	25	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44							
43							
42							
41							
40							
39							
38							
37							
36							
35	/	/	/	/	/	/	5
34	/	/	/	/	/	/	7
33	/	/	/	/	/	/	7
32	/	/	/	/	/	/	8
31	/	/	/	/	/	/	5
30	/	/	/	/	/	/	6
29	/	/	/	/	/	/	6
28	/	/	/	/	/	/	6
27	/	/	/	/	/	/	6
26	/	/	/	/	/	/	6
25	/	/	/	/	/	/	4
24	/	/	/	/	/	/	4
23							
22							
21	/	/	/	/	/	/	1
20	/	/	/	/	/	/	3
19	/	/	/	/	/	/	1
18	/	/	/	/	/	/	1
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
	50
	49
	48
	47
	46
	45
	44
	43
	42
	41
1	40
0	39
0	38
2	37
0	36
12	35
7	34
18	33
15	32
15	31
24	30
21	29
15	28
15	27
6	26
4	25
4	24
0	23
0	22
1	21
3	20
1	19
1	18
1	17
	16
	15

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



MERIDIAN HILLS DRIVE

WEST TERMINUS TO WALNUT CANYON RD

DATE: 6/5/2013

SURVEY BY: C. BUENDIA

TIME: 3:00 PM - 4:45 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF WALNUT CANYON
DATE OF SURVEY	6/5/2013
85th PERCENTILE	34.3 MPH
10 MPH PACE	26 - 35 MPH
PERCENT IN PACE	74.2 %
POSTED SPEED LIMIT	NOT POSTED

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	600
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - WALNUT CANYON
CROSSWALKS	AT WALNUT CANYON
PEDESTRIAN/BICYCLES	NO / FEW
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	NEW DEVELOPMENT STILL UNDER CONSTRUCTION ROADWAY CONSTRUCTION UNDERWAY

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.59
VERTICAL CURVE	SLIGHT - GRADUAL UPHILL (WB)
HORIZONTAL CURVE	SLIGHT "C" CURVE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	NEW
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND ROAD OPEN ONLY FROM WALNUT CANYON TO BREEZY GLEN (0.20 mi)

ADJACENT LAND USE	RESIDENTIAL (non-fronting Gated Communities)
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	POST
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JUSTIFICATION:
 Meridian Hills Drive is a newly constructed two lane roadway. Field observations include the roadway is closed east of Breezy Glen, on-going residential construction, and slight to gradual horizontal-vertical curves. The speed survey results show an 85th percentile speed of 34.3 mph and a 10 mph pace range of 26 to 35 mph. With that, it is recommended that a 30 mph speed limit be established for this area. It is also recommended that this segment be resurveyed when the roadway is completed and opened.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

MERIDIAN HILLS DRIVE

DATE: 6/5/2013

TIME: 3:00 PM - 4:45 PM

WEST TERMINUS TO WALNUT CANYON RI

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 98.4%
38						X 98.4%
37						X 96.8%
36						X 95.2%
35						X 91.9% }PACE
34						X 82.3% }PACE ---85PCT
33						X 77.4% }PACE
32						X 72.6% }PACE
31						X 61.3% }PACE
30						X 54.8% }PACE
29						X 43.5% }PACE ---MEAN
28						X 35.5% }PACE
27						X 27.4% }PACE
26						X 22.6% }PACE
25						X 17.7%
24						X 11.3% ---15PCT
23						X 9.7%
22						X 6.5%
21						X 3.2%
20						X 1.6%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 35 MPH
 LOWER LIMIT 10 MPH PACE: 26 MPH
 PERCENT OVER PACE: 8.1 %
 PERCENT IN PACE: 74.2 %
 PERCENT UNDER PACE: 17.7 %

85th PERCENTILE SPEED: 34.3 MPH
 MEDIAN SPEED: 29.6 MPH
 15th PERCENTILE SPEED: 24.6 MPH

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: MERIDIAN HILLS DRIVE
 LOCATION: NEST TERMINUS TO WALNUT CANYON RD

WEATHER: SUNNY DATE: 06/05/13
 ROAD CONDITION: DRY START TIME: 3:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 4:45 PM VAH

DIRECTION: <u>WEST BOUND</u>							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44							
43							
42							
41							
40							
39							
38							
37							
36							
35	/						
34	/						
33	/						
32	/						
31	/						
30	/						
29	/						
28	/						
27	/						
26	/						
25	/						
24	/						
23	/						
22	/						
21	/						
20	/						
19							
18							
17							
16							
15							

DIRECTION: <u>EAST BOUND</u>								CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES						TOTAL		
	5	10	15	20	25	30			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40	/						0	0	40
39	/						1	1	39
38	/						2	2	38
37	/						5	5	37
36	/						3	3	36
35	/						3	6	35
34	/						2	3	34
33	/						2	5	33
32	/						4	7	32
31	/						2	4	31
30	/						2	7	30
29	/						1	5	29
28	/						1	5	28
27	/						1	3	27
26	/						1	3	26
25	/						1	4	25
24	/						1	1	24
23	/						1	2	23
22	/						1	2	22
21	/						1	1	21
20	/						1	1	20
19									19
18									18
17									17
16									16
15									15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



MILLER PARKWAY

LOS ANGELES AVE TO PEACH HILL RD

DATE: 6/13/2013

SURVEY BY: C. BUENDIA

TIME: 11:30 AM - 12:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF OLIVE
DATE OF SURVEY	6/13/2013
85th PERCENTILE	43.7 MPH
10 MPH PACE	35 - 44 MPH
PERCENT IN PACE	75.5 %
POSTED SPEED LIMIT	40 MPH *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	3
TOTAL ACCIDENTS	9
ANNUAL ACCIDENT RATE	1.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	1.11 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	5,000
LANE CONFIGURATION	1 LANE / 2 LANES (Patriot to Los Angles)
TRAFFIC CONTROLS	SIGNAL- LOS ANGELES / PEACH HILL / PATRIOT
CROSSWALKS	AT LOS ANGELES / PEACH HILL / PATRIOT
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	PAINTED BIKE LANES BUS CUT OUTS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.74
VERTICAL CURVE	GRADUAL - MODERATE UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND NO SHOULDERS / WATCH DOWNHILL SPEED (NB)

ADJACENT LAND USE	RESIDENTIAL (nf) / MESA VERDE MID SCH / MILLER PARK / COMMERCIAL
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph speed limit is within 3.7 mph of the 85th percentile speed and meets CVC standards.

*25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

MILLER PARKWAY

DATE: 6/13/2013

TIME: 11:30 AM - 12:00 PM

LOS ANGELES AVE TO PEACH HILL RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	97.9%
48					X	97.9%
47					X	95.1%
46					X	93.7%
45					X	90.2%
44				X		86.7% }PACE
43				X		80.4% }PACE ---85PCT
42				X		72.7% }PACE
41			X			65.0% }PACE
40			X			58.0% }PACE
39			X			51.0% }PACE
38		X				41.3% }PACE ---MEAN
37		X				30.8% }PACE
36	X					23.1% }PACE
35	X					16.1% }PACE
34	X					11.2% ---15PCT
33	X					6.3%
32	X					3.5%
31	X					2.8%
30	X					2.8%
29	X					2.8%
28	X					1.4%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: **44** MPH
 LOWER LIMIT 10 MPH PACE: **35** MPH
 PERCENT OVER PACE: **13.3** %
 PERCENT IN PACE: **75.5** %
 PERCENT UNDER PACE: **11.2** %

85th PERCENTILE SPEED: **43.7** MPH
 MEDIAN SPEED: **38.9** MPH
 15th PERCENTILE SPEED: **34.8** MPH

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



MILLER PARKWAY

PEACH HILL RD TO TIERRA REJADA RD

DATE: 6/13/2013

SURVEY BY: C. BUENDIA

TIME: 10:45 AM - 11:30 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF MAYA CIR
DATE OF SURVEY	6/13/2013
85th PERCENTILE	42.0 MPH
10 MPH PACE	34 - 43 MPH
PERCENT IN PACE	85.8 %
POSTED SPEED LIMIT	40 MPH *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	2
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	1.10 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	2,900
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - PEACH HILL / TIERRA REJADA
CROSSWALKS	AT PEACH HILL (sch) / TIERRA REJADA
PEDESTRIAN/BICYCLES	FEW / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	PAINTED BIKE LANES BUS CUT OUTS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.43
VERTICAL CURVE	CONSTANT GRADUAL - MODERATE UPHILL GRADE (NB)
HORIZONTAL CURVE	GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND NO SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (nf)
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph speed limit is within 2.0 mph of the 85th percentile speed and meets CVC standards.

*25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET

CITY OF MOORPARK



MILLER PARKWAY

DATE: 6/13/2013

TIME: 10:45 AM - 11:30 AM

PEACH HILL RD TO TIERRA REJADA RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	98.3%
45					X	96.7%
44					X	93.3%
43					X	91.7%
42					X	85.0% }PACE
41					X	85.0% }PACE ---85PCT
40				X		77.5% }PACE
39				X		71.7% }PACE
38			X	X		63.3% }PACE
37		X	X			49.2% }PACE ---MEAN
36		X				34.2% }PACE
35		X				22.5% }PACE
34		X				16.7% }PACE
33	X	X				11.7% }PACE ---15PCT
32	X					5.8%
31	X					2.5%
30	X					1.7%
29	X					0.8%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 43 MPH
 LOWER LIMIT 10 MPH PACE: 34 MPH
 PERCENT OVER PACE: 8.3 %
 PERCENT IN PACE: 85.8 %
 PERCENT UNDER PACE: 5.8 %

85th PERCENTILE SPEED: 42.0 MPH
 MEDIAN SPEED: 38.1 MPH
 15th PERCENTILE SPEED: 34.7 MPH

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: MILLER PARKWAY
 LOCATION: PEACH HILL RD TO TIERRA REVERA RD

WEATHER: SUNNY DATE: 06/13/13
 ROAD CONDITION: DRY START TIME: 10:45 AM
 OBSERVER: CATHY BUENDIA END TIME: 11:30 AM

DIRECTION: <u>SOUTHBOUND</u>	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53	/						
52	/						
51	/						
50							
49							
48							
47							
46							
45	/						
44	/						
43	/	/					
42	/	/	/				
41	/	/	/	/			
40	/	/	/	/	/		
39	/	/	/	/	/		
38	/	/	/	/	/		
37	/	/	/	/	/		
36	/	/	/	/	/		
35	/	/	/	/	/		
34	/	/	/	/	/		
33	/	/	/	/	/		
32							
31							
30	/	/					
29	/						
28							
27	/						
26	/						
25	/						
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>NORTHBOUND</u>	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53	/						
52							
51	/						
50							
49							
48							
47	/	/					
46	/	/					
45	/	/	/				
44	/	/	/	/			
43	/	/	/	/	/		
42	/	/	/	/	/		
41	/	/	/	/	/		
40	/	/	/	/	/		
39	/	/	/	/	/		
38	/	/	/	/	/		
37	/	/	/	/	/		
36	/	/	/	/	/		
35	/	/	/	/	/		
34	/	/	/	/	/		
33	/	/	/	/	/		
32							
31	/						
30	/						
29	/						
28							
27							
26							
25							
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
	50
	49
	48
2	47
2	46
4	45
2	44
8	43
9	42
7	41
10	40
17	39
16	38
14	37
7	36
6	35
7	34
4	33
0	32
	31
	30
	29
	28
	27
	26
	25
	24
	23
	22
	21
	20
	19
	18
	17
	16
	15

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



MOORPARK AVENUE

LOS ANGELES AVE TO SOUTH END

DATE: 6/6/2013

SURVEY BY: C. BUENDIA

TIME: 7:45 AM - 9:00 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF PARK CTR
DATE OF SURVEY	6/6/2013
85th PERCENTILE	31.8 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	90.5 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	4,300
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LOS ANGELES
CROSSWALKS	AT LOS ANGELES (sch)
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	HEAVY TURNS INTO SHOPPING NEAR LOS ANGELES BIKE LANES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.28
VERTICAL CURVE	NONE
HORIZONTAL CURVE	NONE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	PAINTED MEDIAN ISLAND / DBL YELLOW

ADJACENT LAND USE	APARTMENTS / COMMERCIAL
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 30 mph speed limit is within 2.0 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

MOORPARK AVENUE

DATE: 6/6/2013

TIME: 7:45 AM - 9:00 AM

LOS ANGELES AVE TO SOUTH END

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 98.6%
40						X 98.6%
39						X 97.3%
38						X 95.9%
37						X 95.9%
36						X 93.2%
35						X 93.2%
34						X 91.9% }PACE
33						X 90.5% }PACE
32						X 87.8% }PACE
31						X 74.3% }PACE ---85PCT
30						X 64.9% }PACE
29						X 44.6% }PACE ---MEAN
28						X 27.0% }PACE
27						X 13.5% }PACE ---15PCT
26						X 6.8% }PACE
25						X 5.4% }PACE
24	X					1.4%
23	X					1.4%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 8.1 %
 PERCENT IN PACE: 90.5 %
 PERCENT UNDER PACE: 1.4 %

85th PERCENTILE SPEED: 31.8 MPH
 MEDIAN SPEED: 29.3 MPH
 15th PERCENTILE SPEED: 27.1 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.

AGENCY: _____
 STREET: MOORPARK AVENUE
 LOCATION: LOS ANGELES AVE TO SOUTH END

WEATHER: SUNNY DATE: 06/06/13
 ROAD CONDITION: DRY START TIME: 7:45 AM
 OBSERVER: CATHY BUENDIA END TIME: 9:00 AM VCA

DIRECTION: <u>SOUTHBOUND</u>	MPH	NUMBER OF VEHICLES					TOTAL
		5	10	15	20	25	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44							
43							
42	/						
41	/						
40	/						
39	/						
38	/						
37	/						
36	/						
35	/						
34	/	/					
33	/	/	/				
32	/	/	/	/			
31	/	/	/	/	/		
30	/	/	/	/	/	/	
29	/	/	/	/	/	/	
28	/	/	/	/	/	/	
27	/	/	/	/	/	/	
26	/	/	/	/	/	/	
25	/	/	/	/	/	/	
24	/	/	/	/	/	/	
23	/	/	/	/	/	/	
22	/	/	/	/	/	/	
21	/	/	/	/	/	/	
20	/	/	/	/	/	/	
19	/	/	/	/	/	/	
18	/	/	/	/	/	/	
17	/	/	/	/	/	/	
16	/	/	/	/	/	/	
15	/	/	/	/	/	/	

DIRECTION: <u>NORTHBOUND</u>	MPH	NUMBER OF VEHICLES					TOTAL	CUMULATIVE TOTAL	MPH
		5	10	15	20	25			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41								0	41
40								0	40
39								0	39
38								0	38
37	/							2	37
36	/							4	36
35	/	/						4	35
34	/	/	/					4	34
33	/	/	/	/				0	33
32	/	/	/	/	/			4	32
31	/	/	/	/	/	/		3	31
30	/	/	/	/	/	/		6	30
29	/	/	/	/	/	/		8	29
28	/	/	/	/	/	/		4	28
27	/	/	/	/	/	/		3	27
26	/	/	/	/	/	/		1	26
25	/	/	/	/	/	/		2	25
24	/	/	/	/	/	/		0	24
23	/	/	/	/	/	/		1	23
22	/	/	/	/	/	/			22
21	/	/	/	/	/	/			21
20	/	/	/	/	/	/			20
19	/	/	/	/	/	/			19
18	/	/	/	/	/	/			18
17	/	/	/	/	/	/			17
16	/	/	/	/	/	/			16
15	/	/	/	/	/	/			15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



MOUNTAIN MEADOW DRIVE

WALNUT CREEK / MTIN TRAIL TO TIERRA REJADA RD

DATE: 6/14/2013

SURVEY BY: C. BUENDIA

TIME: 10:00 AM - 10:45 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF TIERRA REJADA
DATE OF SURVEY	6/14/2013
85th PERCENTILE	34.4 MPH
10 MPH PACE	27 - 36 MPH
PERCENT IN PACE	86.8 %
POSTED SPEED LIMIT	30 MPH / *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	750
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - TIERRA REJADA / STOP - MOUNTAIN TRAIL
CROSSWALKS	AT TIERRA REJADA (sch) / MOUNTAIN TRAIL (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	NO PARKING ANYTIME 10pm-6am (Eastside)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.22
VERTICAL CURVE	NONE
HORIZONTAL CURVE	SIGHT "S" CURVE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	5 MIN PARKING MON-FRI 7am-4pm at Meadows Park

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / MOUNTAIN MEADOW ELEMENTARY SCHOOL & PARK
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 30 mph speed limit is within 4.4 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

MOUNTAIN MEADOW DRIVE

DATE: 6/14/2013

TIME: 10:00 AM - 10:45 AM

WALNUT CREEK / MTIN TRAIL TO TIERRA I

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	100.0%
38					X	98.3%
37					X	97.5%
36					X	95.0% }PACE
35					X	88.4% }PACE
34					X	82.6% }PACE ---85PCT
33					X	75.2% }PACE
32					X	69.4% }PACE
31					X	59.5% }PACE
30					X	44.6% }PACE ---MEAN
29					X	28.9% }PACE
28					X	19.8% }PACE
27					X	14.0% }PACE ---15PCT
26					X	8.3%
25					X	4.1%
24					X	1.7%
23					X	0.8%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 36 MPH
 LOWER LIMIT 10 MPH PACE: 27 MPH
 PERCENT OVER PACE: 5.0 %
 PERCENT IN PACE: 86.8 %
 PERCENT UNDER PACE: 8.3 %

85th PERCENTILE SPEED: 34.4 MPH
 MEDIAN SPEED: 30.4 MPH
 15th PERCENTILE SPEED: 27.2 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: MOUNTAIN MEADOW DRIVE
 LOCATION: MTN TRAIL (N)/WALNUT CREEK TO TIERRA REJADA

WEATHER: SUNNY DATE: 06/14/13
 ROAD CONDITION: DRY START TIME: 10:00 AM
 OBSERVER: CATHY BUENDIA END TIME: 10:45 AM VIAL

DIRECTION: <u>SOUTHBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40						
39						
38						
37	/					2
36	/					2
35	/					3
34	/					4
33	/					3
32	/					6
31	/	/				17
30	/	/				19
29	/	/				7
28	/	/				4
27	/	/				4
26	/	/				2
25	/	/				2
24	/	/				0
23	/	/				1
22						
21						
20						
19						
18						
17						
16						
15						

DIRECTION: <u>NORTHBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25		30	
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44								44
43								43
42								42
41								41
40								40
39	/					2	2	39
38	/					1	3	38
37	/					1	4	37
36	/					4	8	36
35	/					2	10	35
34	/					5	15	34
33	/					4	19	33
32	/					6	25	32
31	/	/				16	41	31
30	/	/				10	51	30
29	/	/				4	55	29
28	/	/				3	58	28
27	/	/				3	61	27
26	/	/				3	64	26
25	/	/				3	67	25
24	/	/				1	68	24
23	/	/				1	69	23
22							69	22
21							69	21
20							69	20
19							69	19
18							69	18
17							69	17
16							69	16
15							69	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



MOUNTAIN MEADOW DRIVE

TIERRA REJADA RD TO MOUNTAIN TRAIL ST

DATE: 6/14/2013

SURVEY BY: C. BUENDIA

TIME: 10:45 AM - 11:30 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF ALDERGROVE
DATE OF SURVEY	6/14/2013
85th PERCENTILE	37.5 MPH
10 MPH PACE	29 - 38 MPH
PERCENT IN PACE	80.0 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,500
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - TIERRA REJADA / STOP - MOUNTAIN TRAIL
CROSSWALKS	AT TIERRA REJADA (sch) / MOUNTAIN TRAIL (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	PAINTED BIKE LANES / BUS STOPS PEDESTRIAN TRAFFIC AT PARK

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.43
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL - MODERATE "S" CURVES / SWEEPING "C" (S.of Walnut Creek)
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (many areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / TIERRA REJADA PARK
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

This portion of Mountain Meadow is a two lane roadway. Field notes state that adjacent land use is residential (non-fronting) and Tierra Rejada Park, pedestrian traffic near park, the roadway has various moderate curves including a sweeping "C" curve that changes the travel from east/west to north/south. The sight distance for vehicles entering Mountain Meadow from River Grove Court is approximately 225 feet and the required sight distance for a 35 mph speed limit is 250 feet. Although the speed data shows an 85th percentile speed of 37.5 mph but with the areas of limited sight distance, it is recommended that the existing 30 mph speed limit remain.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

MOUNTAIN MEADOW DRIVE

DATE: 6/14/2013

TIME: 10:45 AM - 11:30 AM

TIERRA REJADA RD TO MOUNTAIN TRAILS

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 99.1%
40					X	97.4%
39					X	93.0%
38					X	87.8% }PACE
37				X		81.7% }PACE ---85PCT
36				X		77.4% }PACE
35				X		71.3% }PACE
34			X			64.3% }PACE
33			X			55.7% }PACE
32			X			45.2% }PACE ---MEAN
31		X				34.8% }PACE
30		X				27.0% }PACE
29	X					16.5% }PACE
28	X					7.8% ---15PCT
27	X					3.5%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 38 MPH
 LOWER LIMIT 10 MPH PACE: 29 MPH
 PERCENT OVER PACE: 12.2 %
 PERCENT IN PACE: 80.0 %
 PERCENT UNDER PACE: 7.8 %

85th PERCENTILE SPEED: 37.5 MPH
 MEDIAN SPEED: 32.5 MPH
 15th PERCENTILE SPEED: 28.8 MPH

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: MOUNTAIN MEADOW DRIVE
 LOCATION: TIERRA REJADA RD TO MOUNTAIN TRAIL ST

WEATHER: SUNNY DATE: 06/14/13
 ROAD CONDITION: DRY START TIME: 10:45 AM
 OBSERVER: CATHY BUENDIA END TIME: 11:30 AM VGC

DIRECTION: <u>NORTHBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						1
40						4
39						4
38						4
37						2
36						2
35						4
34						6
33						9
32						5
31						4
30						6
29						3
28						3
27						2
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>SOUTHBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25		30	
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44								44
43								43
42								42
41						2	2	41
40						1	5	40
39						2	6	39
38						3	7	38
37						3	5	37
36						5	7	36
35						4	8	35
34						4	10	34
33						5	12	33
32						7	12	32
31						5	9	31
30						6	12	30
29						5	10	29
28						2	5	28
27						2	4	27
26								26
25								25
24								24
23								23
22								22
21								21
20								20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



MOUNTAIN TRAIL STREET

WALNUT CREEK RD TO TIERRA REJADA RD

DATE: 6/12/2013

SURVEY BY: C. BUENDIA

TIME: 2:00 PM - 3:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF SUMMER GLEN
DATE OF SURVEY	6/12/2013
85th PERCENTILE	36.3 MPH
10 MPH PACE	28 - 37 MPH
PERCENT IN PACE	80.3 %
POSTED SPEED LIMIT	30 MPH / *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,400
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - TIERRA REJADA / STOP - WALNUT CREEK / MTN MEADOW
CROSSWALKS	AT TIERRA REJADA (sch) / WALNUT CREEK / MTN MEADOW (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES / BUS PULL-OUTS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.45
VERTICAL CURVE	GRADUAL UPHILL GRADE (NB)
HORIZONTAL CURVE	CONSTANT GRADUAL -,MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	SINGLE DASHED CENTERLINE

ADJACENT LAND USE	RESIDENTIAL (non-fronting) MOORPARK H.S. / PERFORMING ARTS CENTER
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

This section of Mountain Trail is a four lane roadway. The adjacent land uses include single and multi-family dwellings (non-fronting), Moorpark High School and Performing Arts Center at Tierra Rejada Road. The roadway has a gradual uphill grade northbound and constant gradual to sweeping "C" curve. The speed data results show an 85th percentile of 36.3 mph and a 10 mph pace range of 27 to 36 mph. In consideration of the nature of the area, and the areas of limited sight distance at horizontal curve in the eastbound direction n/o Willow Springs, it is recommended that the existing 30 mph posting be maintained.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

MOUNTAIN TRAIL STREET

DATE: 6/12/2013

TIME: 2:00 PM - 3:00 PM

WALNUT CREEK RD TO TIERRA REJADA RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT				
	20	40	60	80	100
60					X 100.0%
59					X 100.0%
58					X 100.0%
57					X 100.0%
56					X 100.0%
55					X 100.0%
54					X 100.0%
53					X 100.0%
52					X 100.0%
51					X 100.0%
50					X 100.0%
49					X 100.0%
48					X 100.0%
47					X 100.0%
46					X 100.0%
45					X 100.0%
44					X 100.0%
43					X 99.2%
42					X 99.2%
41					X 96.7%
40					X 94.3%
39					X 91.0%
38					X 89.3%
37					X 87.7% }PACE
36					X 83.6% }PACE ---85PCT
35					X 77.0% }PACE
34					X 73.0% }PACE
33					X 66.4% }PACE
32					X 59.0% }PACE
31					X 47.5% }PACE ----MEAN
30					X 36.1% }PACE
29					X 21.3% }PACE ---15PCT
28					X 13.1% }PACE
27					X 7.4%
26					X 4.1%
25					X 2.5%
24					X 0.8%
23					X 0.0%
22					X 0.0%
21					X 0.0%
20					X 0.0%
19					X 0.0%
18					X 0.0%
17					X 0.0%
16					X 0.0%
15					X 0.0%

UPPER LIMIT 10 MPH PACE:	37 MPH		
LOWER LIMIT 10 MPH PACE:	28 MPH	85th PERCENTILE SPEED:	36.3 MPH
PERCENT OVER PACE:	12.3 %	MEDIAN SPEED:	31.2 MPH
PERCENT IN PACE:	80.3 %	15th PERCENTILE SPEED:	28.2 MPH
PERCENT UNDER PACE:	7.4 %		

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: MOUNTAIN TRAIL STREET
 LOCATION: MTN MEADOW (N)/WALNUT CREEK TO TIERRA REJADA

WEATHER: SUNNY DATE: 06/12/13
 ROAD CONDITION: DRY START TIME: 2:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 3:00 PM JCU

DIRECTION: <u>EASTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42	/					
41	/					
40	/					2
39	/					2
38	/					2
37	/					2
36	/	/				4
35	/	/				4
34	/	/	/			5
33	/	/	/	/		5
32	/	/	/	/	/	7
31	/	/	/	/	/	9
30	/	/	/	/	/	9
29	/	/	/	/	/	5
28	/	/	/	/	/	5
27	/	/	/	/	/	2
26	/	/	/	/	/	1
25	/	/	/	/	/	1
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>WESTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44	/					
43	/					
42	/	/				0
41	/	/				2
40	/	/				2
39	/	/				0
38	/	/				2
37	/	/	/			3
36	/	/	/	/		4
35	/	/	/	/		4
34	/	/	/	/	/	5
33	/	/	/	/	/	5
32	/	/	/	/	/	6
31	/	/	/	/	/	8
30	/	/	/	/	/	9
29	/	/	/	/	/	9
28	/	/	/	/	/	10
27	/	/	/	/	/	7
26	/	/	/	/	/	4
25	/	/	/	/	/	2
24	/	/	/	/	/	2
23						
22						
21						
20						
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
	50
	49
	48
	47
	46
	45
	44
0	43
3	42
2	41
2	40
2	39
2	38
5	37
8	36
5	35
5	34
9	33
14	32
14	31
19	30
10	29
7	28
4	27
2	26
2	25
1	24
	23
	22
	21
	20
	19
	18
	17
	16
	15

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



MOUNTAIN TRAIL STREET

TIERRA REJADA RD TO MOUNTAIN MEADOW DR (S)

DATE: 6/12/2013

SURVEY BY: C. BUENDIA

TIME: 1:00 PM - 2:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA LOCATION OF SURVEY DATE OF SURVEY 85th PERCENTILE 10 MPH PACE PERCENT IN PACE POSTED SPEED LIMIT	NORTH OF MTN MEADOW 6/12/2013 35.0 MPH 28 - 37 MPH 88.7 % 30 MPH *25 MPH
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ACCIDENT HISTORY NO. OF MONTHS OBSERVED SPEED-RELATED ACCIDENTS TOTAL ACCIDENTS ANNUAL ACCIDENT RATE ACC./MILLION VEH. MILES	24 0 0 0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY) 0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)
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TRAFFIC FACTORS AVERAGE DAILY TRAFFIC LANE CONFIGURATION TRAFFIC CONTROLS CROSSWALKS PEDESTRIAN/BICYCLES TRUCK TRAFFIC ON-STREET PARKING OTHER	5,650 1 and 2 LANES PER DIRECTION SIGNAL - TIERRA REJADA / STOP - CEDAR SPRINGS / MTN MEADOW AT TIERRA REJADA (sch) / CEDAR SPRINGS YES / YES NO NO STOPPING ANYTIME DESIGNATED BIKE LANES / BUS STOPS
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ROADWAY FACTORS LENGTH OF SEGMENT (MILES) VERTICAL CURVE HORIZONTAL CURVE LATERAL VISIBILITY ROAD CONDITIONS SIDEWALKS/DRIVEWAYS STREET LIGHTING OTHER	0.28 NONE SLIGHT-GRADUAL "S" CURVES GOOD GOOD YES / FEW YES RAISED MEDIAN ISLAND
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ADJACENT LAND USE	RESIDENTIAL (single & multi family / TIERRA REJADA PARK / COMMERCIAL@TIERRA
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

This section of Mountain Trail Street has one and two lanes per direction. Currently, the posted speed limit is 30 mph. The adjacent land use is residential, Tierra Rejada Park and some commercial at Tierra Rejada Drive. With the speed study results showing an 85th percentile speed of 35.0 and a 10 mph pace range of 28 to 37 mph. With that, it is recommended that the existing 30 mph be maintained.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET

HCI **CITY OF MOORPARK**
MOUNTAIN TRAIL STREET **TIERRA REJADA RD TO MOUNTAIN MEADOW DR (S)**
 DATE: 6/12/2013 SURVEY BY: C. BUENDIA
 TIME: 1:00 PM - 2:00 PM CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	100.0%
38					X	99.1%
37					X	97.2% }PACE
36					X	92.5% }PACE
35					X	84.9% }PACE ---85PCT
34				X		73.6% }PACE
33			X	X		65.1% }PACE
32			X			57.5% }PACE
31			X			47.2% }PACE ----MEAN
30		X	X			37.7% }PACE
29		X				28.3% }PACE
28		X				19.8% }PACE
27	X					8.5% ---15PCT
26	X					4.7%
25	X					1.9%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE:	37	MPH	85th PERCENTILE SPEED:	35.0	MPH
LOWER LIMIT 10 MPH PACE:	28	MPH	MEDIAN SPEED:	31.3	MPH
PERCENT OVER PACE:	2.8	%	15th PERCENTILE SPEED:	27.6	MPH
PERCENT IN PACE:	88.7	%			
PERCENT UNDER PACE:	8.5	%			

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.

AGENCY: CITY OF MOORPARK
 STREET: MOUNTAIN TRAIL STREET
 LOCATION: TIERRA REJADA RD TO MOUNTAIN MEADOW (S)

WEATHER: SLUNNY DATE: 06/12/13
 ROAD CONDITION: DRY START TIME: 1:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 2:00 PM *JAL*

DIRECTION: <u>EAST BOUND</u>							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
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43							
42							
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32	/						
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29	/						
28	/						
27	/						
26	/						
25	/						
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

2
3
4
5
5
6
4
4
6
2
2
1

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>WEST BOUND</u>							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44							
43							
42							
41							
40							
39	/						
38	/						
37	/						
36	/						
35	/						
34	/						
33	/						
32	/						
31	/						
30	/						
29	/						
28	/						
27	/						
26	/						
25	/						
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

1
0
2
4
7
4
3
5
6
4
5
4
1

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
	50
	49
	48
	47
	46
	45
	44
	43
	42
	41
	40
1	39
2	38
2	37
6	36
13	35
17	34
20	33
25	32
31	31
37	30
42	29
49	28
56	27
60	26
61	25
	24
	23
	22
	21
	20
	19
	18
	17
	16
	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



MOUNTAIN TRAIL STREET

MOUNTAIN MEADOW (S) TO WOODHILL DR

DATE: 6/12/2013

SURVEY BY: C. BUENDIA

TIME: 11:15 AM - 12:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF AMBERIDGE
DATE OF SURVEY	6/12/2013
85th PERCENTILE	32.1 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	88.9 %
POSTED SPEED LIMIT	30 MPH / *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	500
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - MOUNTAIN MEADOW / COUNTRY HILL
CROSSWALKS	AT COUNTRY HILL (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES / BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.77
VERTICAL CURVE	GRADUAL - MODERATE UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE STUDENT DROP OFF CUT-OUT

ADJACENT LAND USE	RESIDENTIAL (single & multi family / ARROYO WEST SCHOOL / COUNTRY TRAIL PARK)
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 30 mph speed limit is within 2.1 mph of the 85th percentile speed and meets CVC standards.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

MOUNTAIN TRAIL STREET

DATE: 6/12/2013

TIME: 11:15 AM - 12:30 PM

MOUNTAIN MEADOW (S) TO WOODHILL DR

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 100.0%
38						X 100.0%
37						X 97.8%
36						X 97.8%
35						X 94.4%
34						X 94.4% } PACE
33						X 90.0% } PACE
32						X 84.4% } PACE ---85PCT
31						X 76.7% } PACE
30						X 65.6% } PACE
29						X 52.2% } PACE
28						X 37.8% } PACE ---MEAN
27						X 27.8% } PACE
26						X 18.9% } PACE
25						X 11.1% } PACE ---15PCT
24						X 5.6%
23						X 1.1%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 34 MPH	85th PERCENTILE SPEED: 32.1 MPH
LOWER LIMIT 10 MPH PACE: 25 MPH	MEDIAN SPEED: 28.8 MPH
PERCENT OVER PACE: 10.0 %	15th PERCENTILE SPEED: 25.5 MPH
PERCENT IN PACE: 88.9 %	
PERCENT UNDER PACE: 5.6 %	

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.

AGENCY: CITY OF MOORPARK
 STREET: MOUNTAIN TRAIL STREET
 LOCATION: MOUNTAIN MEADOW (S) TO WOODHILL DR

WEATHER: SUNNY DATE: 06/12/13
 ROAD CONDITION: DRY START TIME: 11:15 AM
 OBSERVER: CATHY BUENDIA END TIME: 12:30 PM

DIRECTION: WESTBOUND							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44							
43							
42							
41							
40							
39							
38	/						1
37	/						0
36	/						1
35	/						0
34	/	/					2
33	/	/	/				3
32	/	/	/	/			4
31	/	/	/	/	/		5
30	/	/	/	/	/	/	5
29	/	/	/	/	/	/	5
28	/	/	/	/	/	/	4
27	/	/	/	/	/	/	4
26	/	/	/	/	/	/	3
25	/	/	/	/	/	/	2
24	/	/	/	/	/	/	2
23	/	/	/	/	/	/	1
22							
21							
20							
19							
18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: EASTBOUND							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44							
43							
42							
41							
40							
39							
38	/						1
37	/						0
36	/	/					2
35	/	/	/				0
34	/	/	/	/			2
33	/	/	/	/	/		2
32	/	/	/	/	/		3
31	/	/	/	/	/	/	5
30	/	/	/	/	/	/	4
29	/	/	/	/	/	/	8
28	/	/	/	/	/	/	5
27	/	/	/	/	/	/	4
26	/	/	/	/	/	/	4
25	/	/	/	/	/	/	3
24	/	/	/	/	/	/	2
23	/	/	/	/	/	/	
22							
21							
20							
19							
18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
	50
	49
	48
	47
	46
	45
	44
	43
	42
	41
	40
	39
2	38
0	37
3	36
0	35
4	34
5	33
7	32
10	31
12	30
15	29
9	28
8	27
7	26
5	25
4	24
1	23
	22
	21
	20
	19
	18
	17
	16
	15

ENGINEERING AND TRAFFIC SURVEY
CITY OF MOORPARK



PEACH HILL ROAD

MILLER PKWY TO SPRING ST

DATE: 6/13/2013

SURVEY BY: C. BUENDIA

TIME: 12:30 PM - 1:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF SPRING
DATE OF SURVEY	6/13/2013
85th PERCENTILE	39.9 MPH
10 MPH PACE	32 - 41 MPH
PERCENT IN PACE	70.8 %
POSTED SPEED LIMIT	35 MPH / *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	2,500
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - SPRING / MILLER
CROSSWALKS	AT SPRING (sch) / MILLER (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	BUS STOPS / LOADING ZONE CUT OUT NEAR SCHOOL NO PARKING MON-FRI 8:30-10am+2:30-4pm LOADING ZONE

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.37
VERTICAL CURVE	CONSTANT GRADUAL - MODERATE UPHILL (EB)
HORIZONTAL CURVE	CONSTANT GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (many areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE DESIGNATED BIKE LANES

ADJACENT LAND USE	RESIDENTIAL / PINECREST SCH / MESA VERDE MID-SCH / HOLY CROSS CHURCH
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 35 mph is 4.9 mph below the 85th percentile speed and meets CVC standards.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

PEACH HILL ROAD

DATE: 6/13/2013

TIME: 12:30 PM - 1:30 PM

MILLER PKWY TO SPRING ST

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 95.4%
41					X	90.8% }PACE
40					X	85.4% }PACE
39				X		80.0% }PACE ---85PCT
38				X		74.6% }PACE
37			X			65.4% }PACE
36			X			56.2% }PACE
35			X			51.5% }PACE
34			X			43.1% }PACE ---MEAN
33		X				35.4% }PACE
32		X				27.7% }PACE
31	X					20.0%
30	X					16.9%
29	X					11.5% ---15PCT
28	X					8.5%
27	X					5.4%
26	X					3.1%
25	X					0.8%
24	X					0.8%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 41 MPH
 LOWER LIMIT 10 MPH PACE: 32 MPH
 PERCENT OVER PACE: 9.2 %
 PERCENT IN PACE: 70.8 %
 PERCENT UNDER PACE: 20.0 %

85th PERCENTILE SPEED: 39.9 MPH
 MEDIAN SPEED: 34.8 MPH
 15th PERCENTILE SPEED: 29.6 MPH

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: PEACH HILL ROAD
 LOCATION: MILLER PKWY TO SPRING ST.

WEATHER: SUNNY DATE: 06/13/13
 ROAD CONDITION: DRY START TIME: 12:30 PM
 OBSERVER: CATHY BUENDIA END TIME: 1:30 PM *VAL*

DIRECTION: <u>WESTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43	/	/	/	/	/	3
42	/	/	/	/	/	3
41	/	/	/	/	/	3
40	/	/	/	/	/	3
39	/	/	/	/	/	3
38	/	/	/	/	/	3
37	/	/	/	/	/	3
36	/	/	/	/	/	3
35	/	/	/	/	/	3
34	/	/	/	/	/	3
33	/	/	/	/	/	3
32	/	/	/	/	/	3
31	/	/	/	/	/	3
30	/	/	/	/	/	3
29	/	/	/	/	/	3
28	/	/	/	/	/	3
27	/	/	/	/	/	3
26	/	/	/	/	/	3
25						0
24						0
23						0
22						0
21						0
20						0
19						0
18						0
17						0
16						0
15						0

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>EASTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43	/	/	/	/	/	3
42	/	/	/	/	/	3
41	/	/	/	/	/	3
40	/	/	/	/	/	3
39	/	/	/	/	/	3
38	/	/	/	/	/	3
37	/	/	/	/	/	3
36	/	/	/	/	/	3
35	/	/	/	/	/	3
34	/	/	/	/	/	3
33	/	/	/	/	/	3
32	/	/	/	/	/	3
31	/	/	/	/	/	3
30	/	/	/	/	/	3
29	/	/	/	/	/	3
28	/	/	/	/	/	3
27	/	/	/	/	/	3
26	/	/	/	/	/	3
25						0
24						0
23						0
22						0
21						0
20						0
19						0
18						0
17						0
16						0
15						0

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
	50
	49
	48
	47
	46
	45
	44
6	43
6	42
7	41
7	40
7	39
12	38
12	37
16	36
17	35
10	34
10	33
10	32
4	31
7	30
4	29
4	28
3	27
3	26
0	25
0	24
0	23
0	22
0	21
0	20
0	19
0	18
0	17
0	16
0	15

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



PEACH HILL ROAD

SPRING ST TO MESA VERDE DR

DATE: 4/11/2006

SURVEY BY: C. BUENDIA

TIME: 9:45 AM - 10:45 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF ROLLING KNOTT
DATE OF SURVEY	4/11/2006
85th PERCENTILE	42.9 MPH
10 MPH PACE	35 - 44 MPH
PERCENT IN PACE	79.3 %
POSTED SPEED LIMIT	35 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	36
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.33 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.54 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	2,950
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - SPRING / STOP - MESA VERDE
CROSSWALKS	AT SPRING (sch) / MESA VERDE (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	YES w/AREAS OF NO PARKING ANYTIME
OTHER	DESIGNATED BIKE LANES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.57
VERTICAL CURVE	SLIGHT-GRADUAL UP/DOWNHILL GRADES
HORIZONTAL CURVE	NONE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES (EB) / YES / MANY (WB)
STREET LIGHTING	YES
OTHER	SINGLE DASHED CENTERLINE WIDE ROADWAY / NO SHOULDERS (EB)

ADJACENT LAND USE	RESIDENTIAL
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	INCREASE
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JUSTIFICATION:
 This section of Peach Hill Road is a wide two lane roadway. Currently, it has a posted speed limit of 35 mph speed. The adjacent land use is solely residential and on the south-side there are no driveways, "No Stopping Anytime" and a narrow painted bike lane with no shoulders. The speed data shows an 85th percentile speed of 42.9 mph and a 10 mph pace range of 35 to 44 mph. Therefore, it is recommended that the existing 35 mph be increased to 40 mph.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET

CITY OF MOORPARK
HCI PEACH HILL ROAD

SPRING ST TO MESA VERDE DR
 SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

DATE: 4/11/2006
 TIME: 9:45 AM - 10:45 AM

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 99.2%
47						X 97.5%
46						X 94.2%
45						X 92.6%
44						X 90.1% }PACE
43						X 86.0% }PACE
42						X 79.3% }PACE ---85PCT
41						X 71.1% }PACE
40						X 62.8% }PACE
39						X 53.7% }PACE
38						X 45.5% }PACE ---MEAN
37						X 37.2% }PACE
36						X 26.4% }PACE
35						X 18.2% }PACE
34						X 10.7% ---15PCT
33						X 6.6%
32						X 6.6%
31						X 4.1%
30						X 3.3%
29						X 0.8%
28						X 0.0%
27						X 0.0%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 44 MPH
 LOWER LIMIT 10 MPH PACE: 35 MPH
 PERCENT OVER PACE: 14.0 %
 PERCENT IN PACE: 79.3 %
 PERCENT UNDER PACE: 10.7 %

85th PERCENTILE SPEED: 42.9 MPH
 MEDIAN SPEED: 38.6 MPH
 15th PERCENTILE SPEED: 34.6 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: PEACH HILL ROAD
 LOCATION: SPRING ST TO MESA VERDE DR.

WEATHER: SUNNY DATE: 06/13/13
 ROAD CONDITION: DRY START TIME: 1:30 PM
 OBSERVER: CATHY BUENDIA END TIME: 2:15 PM VCL

DIRECTION: <u>EAST BOUND</u>							
MPH	5	10	15	20	25	30	TOTAL
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47	/						
46	/						
45	/						
44	/	/					
43	/	/	/				
42	/	/	/	/			
41	/	/	/	/	/		
40	/	/	/	/	/	/	
39	/	/	/	/	/	/	
38	/	/	/	/	/	/	
37	/	/	/	/	/	/	
36	/	/	/	/	/	/	
35	/	/	/	/	/	/	
34	/	/	/	/	/	/	
33	/	/	/	/	/	/	
32	/	/	/	/	/	/	
31	/	/	/	/	/	/	
30	/	/	/	/	/	/	
29	/	/	/	/	/	/	
28	/	/	/	/	/	/	
27	/	/	/	/	/	/	
26	/	/	/	/	/	/	
25	/	/	/	/	/	/	
24	/	/	/	/	/	/	
23	/	/	/	/	/	/	
22	/	/	/	/	/	/	
21	/	/	/	/	/	/	
20	/	/	/	/	/	/	
19	/	/	/	/	/	/	
18	/	/	/	/	/	/	
17	/	/	/	/	/	/	
16	/	/	/	/	/	/	
15	/	/	/	/	/	/	

200 300 400 500 600 700 800 900 1000

DIRECTION: <u>WEST BOUND</u>							CUMULATIVE TOTAL	MPH
MPH	5	10	15	20	25	30	TOTAL	
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49	/							49
48	/							48
47	/							47
46	/							46
45	/							45
44	/	/						44
43	/	/	/					43
42	/	/	/	/				42
41	/	/	/	/	/			41
40	/	/	/	/	/	/		40
39	/	/	/	/	/	/		39
38	/	/	/	/	/	/		38
37	/	/	/	/	/	/		37
36	/	/	/	/	/	/		36
35	/	/	/	/	/	/		35
34	/	/	/	/	/	/		34
33	/	/	/	/	/	/		33
32	/	/	/	/	/	/		32
31	/	/	/	/	/	/		31
30	/	/	/	/	/	/		30
29	/	/	/	/	/	/		29
28	/	/	/	/	/	/		28
27	/	/	/	/	/	/		27
26	/	/	/	/	/	/		26
25	/	/	/	/	/	/		25
24	/	/	/	/	/	/		24
23	/	/	/	/	/	/		23
22	/	/	/	/	/	/		22
21	/	/	/	/	/	/		21
20	/	/	/	/	/	/		20
19	/	/	/	/	/	/		19
18	/	/	/	/	/	/		18
17	/	/	/	/	/	/		17
16	/	/	/	/	/	/		16
15	/	/	/	/	/	/		15

200 300 400 500 600 700 800 900 1000

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



PEACH HILL ROAD

MESA VERDE DR TO TIERRA REJADA RD

DATE: 6/13/2013

SURVEY BY: C. BUENDIA

TIME: 2:15 PM - 2:45 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF KNOTTY PINE
DATE OF SURVEY	6/13/2013
85th PERCENTILE	39.2 MPH
10 MPH PACE	31 - 40 MPH
PERCENT IN PACE	80.3 %
POSTED SPEED LIMIT	35 MPH / *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC.MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	3,250
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - TIERRA REJADA / STOP - MESA VERDE / WILLIAMS RANCH
CROSSWALKS	AT TIERRA REJADA / WILLIAMS RANCH (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME AT BUS PULL OUTS
OTHER	DESIGNATED BIKE LANES BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.56
VERTICAL CURVE	SLIGHT-GRADUAL UP/DOWNHILL GRADES
HORIZONTAL CURVE	NONE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	SINGLE DASHED CENTERLINE BUS CUT OUTS SB NEAR TIERRA REJADA

ADJACENT LAND USE	RESIDENTIAL / PEACH HILL ELEMENTARY SCHOOL & PARK
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 35 mph speed limit is within 4.2 mph of the 85th percentile speed and meets CVC standards.c

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

PEACH HILL ROAD

DATE: 6/13/2013

TIME: 2:15 PM - 2:45 PM

MESA VERDE DR TO TIERRA REJADA RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	99.2%
46					X	98.5%
45					X	98.5%
44					X	98.5%
43					X	97.0%
42					X	94.7%
41					X	93.9%
40					X	89.4% }PACE
39					X	84.1% }PACE ---85PCT
38					X	79.5% }PACE
37					X	68.9% }PACE
36					X	57.6% }PACE
35					X	48.5% }PACE ---MEAN
34					X	40.9% }PACE
33					X	32.6% }PACE
32					X	25.8% }PACE
31					X	15.2% }PACE
30					X	9.1% ---15PCT
29					X	6.1%
28					X	3.0%
27					X	2.3%
26					X	2.3%
25					X	1.5%
24					X	0.8%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 40 MPH
 LOWER LIMIT 10 MPH PACE: 31 MPH
 PERCENT OVER PACE: 10.6 %
 PERCENT IN PACE: 80.3 %
 PERCENT UNDER PACE: 9.1 %

85th PERCENTILE SPEED: 39.2 MPH
 MEDIAN SPEED: 35.2 MPH
 15th PERCENTILE SPEED: 31.0 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: PEACH HILL ROAD
 LOCATION: MESA VERDE DR. TO TIERRA REJATA RD

WEATHER: SUNNY DATE: 06/13/13
 ROAD CONDITION: DRY START TIME: 2:15 PM
 OBSERVER: CATHY BUENDIA END TIME: 2:45 PM VGL

DIRECTION: <u>NORTHBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46	/					
45						1
44						0
43	/					0
42						0
41	//					2
40	//					3
39	//					2
38	//					2
37	//					8
36	//					8
35	//					5
34	//					5
33	//					2
32	//					2
31	//					2
30	//					2
29	//					2
28						
27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

DIRECTION: <u>SOUTHBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25		30	
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48	/							48
47						1		47
46						0		46
45						0		45
44	//					2		44
43	//					2		43
42	//					2		42
41	//					4		41
40	//					4		40
39	//					4		39
38	//					5		38
37	//					7		37
36	//					5		36
35	//					7		35
34	//					7		34
33	//					7		33
32	//					8		32
31	//					5		31
30	//					2		30
29	//					2		29
28	/							28
27						0		27
26	/							26
25	/							25
24	/							24
23								23
22								22
21								21
20								20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



POINDEXTER AVENUE

MOORPARK AVE TO SIERRA AVE

DATE: 5/23/2013

SURVEY BY: C. BUENDIA

TIME: 1:00 PM - 1:45 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF SIERRA
DATE OF SURVEY	5/23/2013
85th PERCENTILE	41.4 MPH
10 MPH PACE	34 - 43 MPH
PERCENT IN PACE	85.0 %
POSTED SPEED LIMIT	40 MPH / *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	7
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.53 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	5,750
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - MOORPARK
CROSSWALKS	AT MOORPARK (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES / BUS STOPS COMMERCIAL VEHICLES OVER 3 TONES PROHIBITED

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.45
VERTICAL CURVE	NONE
HORIZONTAL CURVE	GRADUAL - MODERATE "C" CURVE (near Moorpark Ave)
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE (RPM) NO PARKING 7:30am-3:30pm (Except Weekends) AT SCHOOL

ADJACENT LAND USE	RESIDENTIAL / CHAPARRAL MID SCH / POINDEXTER PARK / RxR
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph is within 1.4 mph of the 85th percentile speed and meets CVC standards.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

POINDEXTER AVENUE

DATE: 5/23/2013

TIME: 1:00 PM - 1:45 PM

MOORPARK AVE TO SIERRA AVE

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 99.4%
47						X 99.4%
46						X 98.3%
45						X 98.3%
44						X 95.6%
43						X 93.9% }PACE
42						X 89.4% }PACE
41						X 82.2% }PACE ---85PCT
40						X 75.0% }PACE
39						X 62.8% }PACE
38						X 51.1% }PACE
37						X 37.2% }PACE ---MEAN
36						X 29.4% }PACE
35						X 23.3% }PACE
34						X 13.3% }PACE ---15PCT
33						X 8.9%
32						X 5.6%
31						X 2.2%
30						X 1.1%
29						X 1.1%
28						X 0.6%
27						X 0.0%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 43 MPH
 LOWER LIMIT 10 MPH PACE: 34 MPH
 PERCENT OVER PACE: 6.1 %
 PERCENT IN PACE: 85.0 %
 PERCENT UNDER PACE: 8.9 %

85th PERCENTILE SPEED: 41.4 MPH
 MEDIAN SPEED: 37.9 MPH
 15th PERCENTILE SPEED: 34.2 MPH

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: POINDEXTER AVENUE
 LOCATION: MOORPARK AVE TO SIERRA AVE

WEATHER: SUNNY DATE: 05/23/13
 ROAD CONDITION: DRY START TIME: 1:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 1:45 PM VCA

DIRECTION: <u>WESTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47	/					
46	/					
45	/	/				
44	/	/	/			
43	/	/	/	/		
42	/	/	/	/	/	
41	/	/	/	/	/	
40	/	/	/	/	/	
39	/	/	/	/	/	
38	/	/	/	/	/	
37	/	/	/	/	/	
36	/	/	/	/	/	
35	/	/	/	/	/	
34	/	/	/	/	/	
33	/	/	/	/	/	
32	/	/	/	/	/	
31	/	/	/	/	/	
30	/	/	/	/	/	
29	/	/	/	/	/	
28	/	/	/	/	/	
27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

DIRECTION: <u>EASTBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25	30		
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49	/							49
48	/							48
47	/							47
46	/							46
45	/	/						45
44	/	/	/					44
43	/	/	/	/				43
42	/	/	/	/	/			42
41	/	/	/	/	/			41
40	/	/	/	/	/			40
39	/	/	/	/	/			39
38	/	/	/	/	/			38
37	/	/	/	/	/			37
36	/	/	/	/	/			36
35	/	/	/	/	/			35
34	/	/	/	/	/			34
33	/	/	/	/	/			33
32	/	/	/	/	/			32
31	/	/	/	/	/			31
30	/	/	/	/	/			30
29	/	/	/	/	/			29
28	/	/	/	/	/			28
27								27
26								26
25								25
24								24
23								23
22								22
21								21
20								20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



POINDEXTER AVENUE

SIERRA AVE TO GABBERT AVE

DATE: 6/6/2013

SURVEY BY: C. BUENDIA

TIME: 10:00 AM - 11:00 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF TECH CENTER
DATE OF SURVEY	6/6/2013
85th PERCENTILE	44.1 MPH
10 MPH PACE	35 - 44 MPH
PERCENT IN PACE	76.4 %
POSTED SPEED LIMIT	40 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	4,550
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - GABBERT
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES / NO SHOULDERS COMMERCIAL VEHICLES OVER 3 TONES PROHIBITED

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.56
VERTICAL CURVE	NONE
HORIZONTAL CURVE	SLIGHT "S" CURVE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO (WB) - YES / YES (EB)
STREET LIGHTING	YES
OTHER	RPM MEDIAN w/LEFTS RxR PARALLEL NORTHSIDE

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / INDUSTRIAL / BUSINESS
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph is within 4.1 mph of the 85th percentile speed and meets CVC standards.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

POINDEXTER AVENUE

DATE: 6/6/2013

TIME: 10:00 AM - 11:00 AM

SIERRA AVE TO GABBERT AVE

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 98.4%
47						X 96.1%
46						X 92.9%
45						X 91.3%
44						X 84.3% }PACE ---85PCT
43						X 78.7% }PACE
42						X 72.4% }PACE
41						X 70.1% }PACE
40						X 56.7% }PACE
39						X 39.4% }PACE ---MEAN
38						X 29.1% }PACE
37						X 26.8% }PACE
36						X 17.3% }PACE
35						X 15.7% }PACE
34						X 7.9% ---15PCT
33						X 7.1%
32						X 4.7%
31						X 3.9%
30						X 3.1%
29						X 1.6%
28						X 1.6%
27						X 0.8%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 44 MPH
 LOWER LIMIT 10 MPH PACE: 35 MPH
 PERCENT OVER PACE: 15.7 %
 PERCENT IN PACE: 76.4 %
 PERCENT UNDER PACE: 7.9 %

85th PERCENTILE SPEED: 44.1 MPH
 MEDIAN SPEED: 39.6 MPH
 15th PERCENTILE SPEED: 34.9 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.

AGENCY: CITY OF MOORPARK
 STREET: POINDEXTER AVENUE
 LOCATION: SIERRA AVE TO GABBERT AVE

WEATHER: SUNNY DATE: 06/06/13
 ROAD CONDITION: DRY START TIME: 10:00 AM
 OBSERVER: CATHY BUENDIA END TIME: 11:00 AM VW

DIRECTION: <u>WESTBOUND</u>							
MPH	NUMBER OF VEHICLES					TOTAL	
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49	/						
48	/	/					
47	/	/	/				
46	/	/	/	/			
45	/	/	/	/	/		
44	/	/	/	/	/	/	
43	/	/	/	/	/	/	
42	/	/	/	/	/	/	
41	/	/	/	/	/	/	
40	/	/	/	/	/	/	
39	/	/	/	/	/	/	
38	/	/	/	/	/	/	
37	/	/	/	/	/	/	
36	/	/	/	/	/	/	
35	/	/	/	/	/	/	
34	/	/	/	/	/	/	
33	/	/	/	/	/	/	
32	/	/	/	/	/	/	
31	/	/	/	/	/	/	
30	/	/	/	/	/	/	
29	/	/	/	/	/	/	
28	/	/	/	/	/	/	
27	/	/	/	/	/	/	
26							
25							
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

DIRECTION: <u>EASTBOUND</u>								
MPH	NUMBER OF VEHICLES					TOTAL	CUMULATIVE TOTAL	MPH
	5	10	15	20	25	30		
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49	/							49
48	/	/					0	48
47	/	/	/				2	47
46	/	/	/	/			4	46
45	/	/	/	/	/		6	45
44	/	/	/	/	/	/	16	44
43	/	/	/	/	/	/	2	43
42	/	/	/	/	/	/	7	42
41	/	/	/	/	/	/	12	41
40	/	/	/	/	/	/	12	40
39	/	/	/	/	/	/	5	39
38	/	/	/	/	/	/	5	38
37	/	/	/	/	/	/	6	37
36	/	/	/	/	/	/	0	36
35	/	/	/	/	/	/	4	35
34	/	/	/	/	/	/		34
33	/	/	/	/	/	/	0	33
32	/	/	/	/	/	/		32
31	/	/	/	/	/	/		31
30	/	/	/	/	/	/		30
29	/	/	/	/	/	/		29
28	/	/	/	/	/	/		28
27	/	/	/	/	/	/		27
26								26
25								25
24								24
23								23
22								22
21								21
20								20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



PRINCETON AVENUE

CAMPUS PARK DR TO 118 FWY

DATE: 5/24/2013

SURVEY BY: C. BUENDIA

TIME: 2:30 PM - 3:15 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF CAMPUS PARK
DATE OF SURVEY	5/24/2013
85th PERCENTILE	40.1 MPH
10 MPH PACE	31 - 40 MPH
PERCENT IN PACE	73.3 %
POSTED SPEED LIMIT	40 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	2
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.50 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	9,850
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - 118 FWY WB RAMPS / 118 FWY EB RAMPS / STOP - *CAMPUS PARK
CROSSWALKS	AT CAMPUS PARK
PEDESTRIAN/BICYCLES	FEW / YES
TRUCK TRAFFIC	FEW
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES / BUS STOPS * RIGHT LANE "DO NOT STOP" AT CAMPUS PARK NB

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.28
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	SLIGHT "S" CURVES
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / COMMERCIAL / DAY CARE CTR / 118 FWY
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph is within 0.1 mph of the 85th percentile speed and meets CVC standards.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

PRINCETON AVENUE

DATE: 5/24/2013

TIME: 2:30 PM - 3:15 PM

CAMPUS PARK DR TO 118 FWY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	99.4%
46					X	98.2%
45					X	97.0%
44					X	94.5%
43					X	92.7%
42					X	90.3%
41					X	86.7%
40				X		84.8% }PACE ---85PCT
39				X		78.8% }PACE
38				X		69.1% }PACE
37				X		65.5% }PACE
36			X			54.5% }PACE
35			X			49.7% }PACE ---MEAN
34		X				35.2% }PACE
33		X				28.5% }PACE
32		X				20.0% }PACE
31	X					17.0% }PACE
30	X					11.5% ---15PCT
29	X					9.7%
28	X					5.5%
27	X					4.2%
26	X					2.4%
25	X					0.6%
24	X					0.6%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 40 MPH
 LOWER LIMIT 10 MPH PACE: 31 MPH
 PERCENT OVER PACE: 15.2 %
 PERCENT IN PACE: 73.3 %
 PERCENT UNDER PACE: 11.5 %

85th PERCENTILE SPEED: 40.1 MPH
 MEDIAN SPEED: 35.1 MPH
 15th PERCENTILE SPEED: 30.6 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: PRINCETON AVENUE
 LOCATION: CAMPUS PARK DR TO I-9 FWY

WEATHER: SUNNY DATE: 05/24/13
 ROAD CONDITION: DRY START TIME: 2:30 PM
 OBSERVER: CATHY BUENDIA END TIME: 3:15 PM *✓*

DIRECTION: <u>NORTH BOUND</u>							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48	/						1
47	/						0
46	/						2
45	/						0
44	/						0
43	/						2
42	/						2
41	/	/					3
40	/	/					3
39	/	/	/				7
38	/	/	/	/			4
37	/	/	/	/			4
36	/	/	/	/	/		3
35	/	/	/	/	/		10
34	/	/	/	/	/		5
33	/	/	/	/	/		7
32	/	/	/	/	/		4
31	/	/	/	/	/		3
30	/	/	/	/	/		2
29	/	/	/	/	/		0
28	/	/	/	/	/		0
27	/	/	/	/	/		2
26							
25							
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>SOUTH BOUND</u>							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47	/						1
46	/	/					2
45	/	/					2
44	/	/					3
43	/	/					2
42	/	/	/				5
41	/	/	/				0
40	/	/	/	/			7
39	/	/	/	/	/		9
38	/	/	/	/	/		7
37	/	/	/	/	/		7
36	/	/	/	/	/		5
35	/	/	/	/	/	/	14
34	/	/	/	/	/	/	6
33	/	/	/	/	/	/	7
32	/	/	/	/	/	/	7
31	/	/	/	/	/	/	6
30	/	/	/	/	/	/	6
29	/	/	/	/	/	/	7
28	/	/	/	/	/	/	7
27	/	/	/	/	/	/	3
26	/	/	/	/	/	/	3
25	/	/	/	/	/	/	0
24	/	/	/	/	/	/	1
23							
22							
21							
20							
19							
18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
	50
	49
	48
1	47
2	46
4	45
3	44
4	43
6	42
3	41
10	40
16	39
16	38
18	37
8	36
24	35
11	34
14	33
5	32
9	31
3	30
2	29
3	28
3	27
0	26
0	25
1	24
	23
	22
	21
	20
	19
	18
	17
	16
	15

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



PRINCETON AVENUE

118 FWY (N) TO 118 FWY (S)

DATE: 5/24/2013

SURVEY BY: C. BUENDIA

TIME: 12:15 PM - 1:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF CONDOR
DATE OF SURVEY	5/24/2013
85th PERCENTILE	41.2 MPH
10 MPH PACE	33 - 42 MPH
PERCENT IN PACE	77.8 %
POSTED SPEED LIMIT	40 MPH
	30 MPH ADVISORY

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	10,000
LANE CONFIGURATION	1 and 2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - 118 (N) / CONDOR (N)
CROSSWALKS	AT CONDOR (N)
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	YES (many)
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	BUS STOPS
	FLASHING SIGNAL WARNING (NB)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.68
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	MODERATE-SWEEPING "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	FAIR to POOR
SIDEWALKS/DRIVEWAYS	PARTIAL / FEW
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE AND RAISED MEDIAN ISLAND
	PARTIAL NO CURBS AND DIRT SHOULDERS

ADJACENT LAND USE	BUSINESS / 118 FWY OVERPASS / MOORPARK CUMMUNITY HIGH SCH
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 40 mph is within 1.2 mph of the 85th percentile speed and meets CVC standards.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET

HCI **CITY OF MOORPARK**
PRINCETON AVENUE **118 FWY (N) TO 118 FWY (S)**
DATE: 5/24/2013 **SURVEY BY: C. BUENDIA**
TIME: 12:15 PM - 1:00 PM **CHECKED BY: JERRY STOCK**

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 99.4%
49						X 98.8%
48						X 98.8%
47						X 97.6%
46						X 97.0%
45						X 95.2%
44						X 92.2%
43						X 90.4%
42						X 87.4% }PACE
41						X 84.4% }PACE ---85PCT
40						X 77.2% }PACE
39						X 64.1% }PACE
38						X 54.5% }PACE
37						X 45.5% }PACE ---MEAN
36						X 31.7% }PACE
35						X 24.6% }PACE
34						X 16.2% }PACE
33						X 13.2% }PACE ---15PCT
32						X 9.6%
31						X 7.2%
30						X 6.6%
29						X 3.6%
28						X 2.4%
27						X 1.2%
26						X 0.6%
25						X 0.6%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE:	42 MPH	85th PERCENTILE SPEED:	41.2 MPH
LOWER LIMIT 10 MPH PACE:	33 MPH	MEDIAN SPEED:	37.5 MPH
PERCENT OVER PACE:	12.6 %	15th PERCENTILE SPEED:	33.6 MPH
PERCENT IN PACE:	77.8 %		
PERCENT UNDER PACE:	9.6 %		

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: PRINCETON AVENUE
 LOCATION: 118 FWY (E) TO 118 FWY (N)

WEATHER: SUNNY DATE: 05/24/13
 ROAD CONDITION: DRY START TIME: 12:15 PM
 OBSERVER: CATHY BUENDIA END TIME: 1:00 PM *1 hr*

DIRECTION: SOUTHBOUND

MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51	/						
50	/						
49							0
48	/						
47	/						
46	/						
45	/	/					2
44	/	/					2
43	/	/	/				4
42	/	/	/	/			4
41	/	/	/	/	/		7
40	/	/	/	/	/	/	9
39	/	/	/	/	/	/	15
38	/	/	/	/	/	/	12
37	/	/	/	/	/	/	5
36	/	/	/	/	/	/	10
35	/	/	/	/	/	/	3
34	/	/	/	/	/	/	10
33	/	/	/	/	/	/	4
32	/	/	/	/	/	/	0
31	/	/	/	/	/	/	3
30	/	/	/	/	/	/	3
29	/	/	/	/	/	/	1
28	/	/	/	/	/	/	0
27	/	/	/	/	/	/	0
26	/	/	/	/	/	/	0
25	/	/	/	/	/	/	1
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

DIRECTION: NORTHBOUND

MPH	NUMBER OF VEHICLES						TOTAL	CUMULATIVE TOTAL	MPH
	5	10	15	20	25	30			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48	/							0	48
47	/							0	47
46	/	/						2	46
45	/	/	/					3	45
44	/	/	/	/				5	44
43	/	/	/	/	/			5	43
42	/	/	/	/	/	/		5	42
41	/	/	/	/	/	/		3	41
40	/	/	/	/	/	/		7	40
39	/	/	/	/	/	/		4	39
38	/	/	/	/	/	/		10	38
37	/	/	/	/	/	/		13	37
36	/	/	/	/	/	/		9	36
35	/	/	/	/	/	/		4	35
34	/	/	/	/	/	/		4	34
33	/	/	/	/	/	/		6	33
32	/	/	/	/	/	/		4	32
31	/	/	/	/	/	/		0	31
30	/	/	/	/	/	/		2	30
29	/	/	/	/	/	/		2	29
28	/	/	/	/	/	/		2	28
27	/	/	/	/	/	/		0	27
26	/	/	/	/	/	/		0	26
25	/	/	/	/	/	/		1	25
24									24
23									23
22									22
21									21
20									20
19									19
18									18
17									17
16									16
15									15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



PRINCETON AVENUE

118 FWY (N) TO SPRING ST

DATE: 5/24/2013

SURVEY BY: C. BUENDIA

TIME: 11:45 AM - 12:15 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF SPRING
DATE OF SURVEY	5/24/2013
85th PERCENTILE	44.4 MPH
10 MPH PACE	37 - 46 MPH
PERCENT IN PACE	84.9 %
POSTED SPEED LIMIT	40 MPH
	30 & 35 MPH ADVISORY

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	2
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	14,500
LANE CONFIGURATION	1 LANE PER DIRECTION - (2 Lanes near Spring)
TRAFFIC CONTROLS	SIGNAL - SPRING
CROSSWALKS	AT SPRING
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	YES (many)
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	LIGHT PARKING NEAR SPRING ST (southside)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.72
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	MODERATE-SWEEPING "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	POOR
SIDEWALKS/DRIVEWAYS	PARTIAL (WB) / NO
STREET LIGHTING	YES
OTHER	PAINTED 2 WAY LEFT TURN AND DBL YELLOW CENTERLINE PARTIAL NO CURBS AND DIRT SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / COMMERCIAL / 118 FWY OVERPASS
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph is within 4.4 mph of the 85th percentile speed and meets and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

PRINCETON AVENUE

DATE: 5/24/2013

TIME: 11:45 AM - 12:15 PM

118 FWY (N) TO SPRING ST

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 99.3%
48						X 97.8%
47						X 96.4%
46						X 93.5% }PACE
45					X	88.5% }PACE
44					X	82.7% }PACE ---85PCT
43				X		78.4% }PACE
42				X		66.9% }PACE
41			X			59.7% }PACE
40			X			49.6% }PACE ---MEAN
39		X				36.0% }PACE
38		X				25.2% }PACE
37		X				15.8% }PACE
36	X					8.6% ---15PCT
35	X					4.3%
34	X					2.2%
33	X					2.2%
32	X					0.7%
31	X					0.0%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 46 MPH
 LOWER LIMIT 10 MPH PACE: 37 MPH
 PERCENT OVER PACE: 6.5 %
 PERCENT IN PACE: 84.9 %
 PERCENT UNDER PACE: 8.6 %

85th PERCENTILE SPEED: 44.4 MPH
 MEDIAN SPEED: 40.0 MPH
 15th PERCENTILE SPEED: 36.9 MPH

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



RIDGECREST DRIVE

SPRING ST TO HIGH TOP

DATE: 6/6/2013
TIME: 3:00 PM - 4:45 PM

SURVEY BY: C. BUENDIA
CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF ELK RUN
DATE OF SURVEY	6/6/2013
85th PERCENTILE	38.9 MPH
10 MPH PACE	31 - 40 MPH
PERCENT IN PACE	81.7 %
POSTED SPEED LIMIT	NOT POSTED

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	300
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - SPRING / ELK RUN (new signal not turned on)
CROSSWALKS	AT SPRING / ELK RUN
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	EQUESTRIAN TRAIL (northside)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.42
VERTICAL CURVE	GRADUAL UPHILL (EB)
HORIZONTAL CURVE	GRADUAL "S" CURVE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	NEW
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL (non-fronting)
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	POST
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JUSTIFICATION:
 This portion of Ridgcrest Drive is a four lane collector roadway. Field observations include new and future home construction, no stopping anytime, no shoulders, raised median island, and slight-gradual "S" curve. The adjacent land use is solely residential non-fronting to the roadway. With the speed survey results revealing an 85th percentile speed of 38.9 mph, it is recommended that a 35 mph speed limit be established and posted for this area.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

RIDGECREST DRIVE

SPRING ST TO HIGH TOP

DATE: 6/6/2013

SURVEY BY: C. BUENDIA

TIME: 3:00 PM - 4:45 PM

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 98.6%
44						X 97.2%
43						X 97.2%
42						X 97.2%
41						X 97.2%
40					X	95.8% }PACE
39					X	85.9% }PACE
38				X		76.1% }PACE ---85PCT
37				X		73.2% }PACE
36				X		69.0% }PACE
35				X		63.4% }PACE
34			X			52.1% }PACE
33		X				40.8% }PACE ---MEAN
32		X				32.4% }PACE
31		X				18.3% }PACE
30		X				14.1% ---15PCT
29	X					8.5%
28	X					5.6%
27	X					4.2%
26	X					2.8%
25	X					2.8%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 40 MPH
 LOWER LIMIT 10 MPH PACE: 31 MPH
 PERCENT OVER PACE: 4.2 %
 PERCENT IN PACE: 81.7 %
 PERCENT UNDER PACE: 14.1 %

85th PERCENTILE SPEED: 38.9 MPH
 MEDIAN SPEED: 33.8 MPH
 15th PERCENTILE SPEED: 30.2 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: RIDGECREST DRIVE
 LOCATION: SPRING ST. TO HIGH TOP

WEATHER: SUNNY DATE: 06/06/13
 ROAD CONDITION: DRY START TIME: 3:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 4:45 PM JAL

DIRECTION: <u>EASTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40	/	/	/			3
39	/	/	/	/		0
38	/	/	/	/		0
37	/	/	/	/		4
36	/	/	/	/		2
35	/	/	/	/		3
34	/	/	/	/		2
33	/	/	/	/		2
32	/	/	/	/		2
31	/	/	/	/		2
30	/	/	/	/		2
29	/	/	/	/		0
28	/	/	/	/		0
27	/	/	/	/		0
26	/	/	/	/		0
25	/	/	/	/		1
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>WESTBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25		30	
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46	/	/	/	/			1	46
45	/	/	/	/			1	45
44						0	0	44
43						0	0	43
42						0	0	42
41	/	/	/	/		4	1	41
40	/	/	/	/	/	4	7	40
39	/	/	/	/	/	6	7	39
38	/	/	/	/	/	2	2	38
37	/	/	/	/	/	2	3	37
36	/	/	/	/	/	3	4	36
35	/	/	/	/	/	4	8	35
34	/	/	/	/	/	4	8	34
33	/	/	/	/	/	6	10	33
32	/	/	/	/	/	4	10	32
31	/	/	/	/	/	2	3	31
30	/	/	/	/	/	2	4	30
29	/	/	/	/	/	2	4	29
28	/	/	/	/	/	0	1	28
27	/	/	/	/	/	0	1	27
26	/	/	/	/	/	0	0	26
25	/	/	/	/	/	1	2	25
24								24
23								23
22								22
21								21
20								20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



PRINCETON AVENUE

118 FWY (N) TO SPRING ST

DATE: 5/24/2013

SURVEY BY: C. BUENDIA

TIME: 11:45 AM - 12:15 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF SPRING
DATE OF SURVEY	5/24/2013
85th PERCENTILE	44.4 MPH
10 MPH PACE	37 - 46 MPH
PERCENT IN PACE	84.9 %
POSTED SPEED LIMIT	40 MPH
	30 & 35 MPH ADVISORY

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	2
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	14,500
LANE CONFIGURATION	1 LANE PER DIRECTION - (2 Lanes near Spring)
TRAFFIC CONTROLS	SIGNAL - SPRING
CROSSWALKS	AT SPRING
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	YES (many)
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	LIGHT PARKING NEAR SPRING ST (southside)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.72
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	MODERATE-SWEEPING "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	POOR
SIDEWALKS/DRIVEWAYS	PARTIAL (WB) / NO
STREET LIGHTING	YES
OTHER	PAINTED 2 WAY LEFT TURN AND DBL YELLOW CENTERLINE PARTIAL NO CURBS AND DIRT SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / COMMERCIAL / 118 FWY OVERPASS
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 This portion of Princeton Avenue is a narrow two lane roadway. Field observations include a 40 mph speed sign posted for the eastbound direction only, sweeping "S" curves, 30 and 35 mph advisory signs at curves, dirt shoulders, no curb and sidewalks until approaching Spring Street. The speed data shows an 85th percentile speed of 44.4 mph and a 10 mph pace range of 37 to 46 mph. With that, it is recommended that the existing 40 mph speed limit be maintained. For enforcement, a 40 mph speed sign should be installed westbound near 118 freeway.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

SECOND STREET

DATE: 6/6/2013

TIME: 9:00 AM - 10:00 AM

SPRING ST TO MOORPARK AVE

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 100.0%
38						X 100.0%
37						X 100.0%
36						X 100.0%
35						X 99.2%
34						X 97.6%
33						X 96.8%
32						X 94.4% }PACE
31						X 87.9% }PACE
30						X 85.5% }PACE
29						X 80.6% }PACE ---85PCT
28						X 74.2% }PACE
27						X 62.9% }PACE
26						X 41.9% }PACE ---MEAN
25						X 33.1% }PACE
24						X 23.4% }PACE
23						X 16.1% }PACE
22						X 10.5% ---15PCT
21						X 6.5%
20						X 5.6%
19						X 4.0%
18						X 1.6%
17						X 1.6%
16						X 1.6%
15						X 0.8%

UPPER LIMIT 10 MPH PACE: 32 MPH
 LOWER LIMIT 10 MPH PACE: 23 MPH
 PERCENT OVER PACE: 5.6 %
 PERCENT IN PACE: 83.9 %
 PERCENT UNDER PACE: 10.5 %

85th PERCENTILE SPEED: 29.9 MPH
 MEDIAN SPEED: 26.4 MPH
 15th PERCENTILE SPEED: 22.8 MPH

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: SECOND STREET
 LOCATION: SPRING ST TO MOORPARK AVE

WEATHER: PARTIALLY OVERCAST DATE: 06/06/13
 ROAD CONDITION: DRY START TIME: 9:00 AM
 OBSERVER: CATHY BUENDIA END TIME: 10:00 AM ✓✓✓

DIRECTION: EAST BOUND							
MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44							
43							
42							
41							
40							
39							
38							
37							
36	/						1
35	//						2
34	/						1
33	//						2
32	/						1
31	/						1
30	/						1
29	/						1
28	/						1
27	/						1
26	/						1
25	/						1
24	/						1
23	/						1
22	/						1
21	/						1
20	/						1
19	/						1
18							
17							
16							
15							

DIRECTION: WEST BOUND								CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES						TOTAL		
	5	10	15	20	25	30			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38									38
37									37
36								1	36
35								2	35
34								1	34
33	/							3	33
32	/							3	32
31	/							3	31
30	/							3	30
29	/							3	29
28	/							6	28
27	/							12	27
26	/							14	26
25	/							17	25
24	/							19	24
23	/							23	23
22	/							25	22
21	/							21	21
20	/							22	20
19	/							23	19
18								20	18
17								20	17
16	/							21	16
15	/							22	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



SPRING STREET

WALNUT CANYON RD TO ELK RUN LOOP

DATE: 5/22/2013

SURVEY BY: C. BUENDIA

TIME: 10:00 AM - 11:00 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF RIDGECREST
DATE OF SURVEY	5/22/2013
85th PERCENTILE	47.5 MPH
10 MPH PACE	39 - 48 MPH
PERCENT IN PACE	77.6 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	7,900
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - WALNUT CANYON / RIDGECREST / ELK RUN LOOP
CROSSWALKS	AT WALNUT CANYON / RIDGECREST / ELK RUN LOOP
PEDESTRIAN/BICYCLES	FEW / YES
TRUCK TRAFFIC	NO (Except for Local Deliveries)
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	FENCED EQUESTRIAN TRAIL / BUS CUT OUTS WATCH DOWNHILL SPEED (SB) / BIKE LANES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.48
VERTICAL CURVE	CONSTANT GRADUAL UPHILL GRADE (NB)
HORIZONTAL CURVE	SEVERAL GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND TALL TREES IN MEDIAN RESRICT SIGHT DISTANCE

ADJACENT LAND USE	RESIENTIAL (non-fronting) / OPEN
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 45 mph is within 2.5 mph of the 85th percentile speed and meets CVC standards.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

SPRING STREET

DATE: 5/22/2013

TIME: 10:00 AM - 11:00 AM

WALNUT CANYON RD TO ELK RUN LOOP

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						x 100.0%
59						x 100.0%
58						x 100.0%
57						x 100.0%
56						x 100.0%
55						x 100.0%
54						x 100.0%
53						x 100.0%
52						x 99.4%
51						x 96.8%
50						x 94.2%
49						x 90.4%
48						x 88.5% }PACE
47						x 82.1% }PACE ---85PCT
46						x 72.4% }PACE
45						x 67.3% }PACE
44						x 59.0% }PACE
43						x 48.7% }PACE ---MEAN
42						x 41.0% }PACE
41						x 28.2% }PACE
40						x 17.9% }PACE
39						x 13.5% }PACE ---15PCT
38						x 10.9%
37						x 7.1%
36						x 4.5%
35						x 3.8%
34						x 2.6%
33						x 1.3%
32						x 1.3%
31						x 0.6%
30						x 0.0%
29						x 0.0%
28						x 0.0%
27						x 0.0%
26						x 0.0%
25						x 0.0%
24						x 0.0%
23						x 0.0%
22						x 0.0%
21						x 0.0%
20						x 0.0%
19						x 0.0%
18						x 0.0%
17						x 0.0%
16						x 0.0%
15						x 0.0%

UPPER LIMIT 10 MPH PACE: 48 MPH
 LOWER LIMIT 10 MPH PACE: 39 MPH
 PERCENT OVER PACE: 11.5 %
 PERCENT IN PACE: 77.6 %
 PERCENT UNDER PACE: 10.9 %

85th PERCENTILE SPEED: 47.5 MPH
 MEDIAN SPEED: 43.1 MPH
 15th PERCENTILE SPEED: 39.3 MPH

Radars Speed Survey Field Sheet

HARTZOG AND CRABILL INC.

AGENCY: CITY OF MOORPARK
 STREET: SPRING STREET
 LOCATION: WALNUT CANYON RD TO ELK RUN LOOP

WEATHER: SUNNY DATE: 05/22/13
 ROAD CONDITION: DRY START TIME: 10:00 AM
 OBSERVER: CATHY BUENDIA END TIME: 11:00 AM VUA

DIRECTION: <u>SOUTHBOUND</u>							
MPH	NUMBER OF VEHICLES					TOTAL	
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52	/						
51	/						
50	/						
49	/						
48	/						
47	/	/					
46	/	/	/				
45	/	/	/	/			
44	/	/	/	/	/		
43	/	/	/	/	/		
42	/	/	/	/	/		
41	/	/	/	/	/		
40	/	/	/	/	/		
39	/	/	/	/	/		
38	/	/	/	/	/		
37	/	/	/	/	/		
36	/	/	/	/	/		
35							
34							
33							
32							
31							
30							
29							
28							
27							
26							
25							
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

MONITORING ONLY

DIRECTION: <u>NORTHBOUND</u>								CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL			
	5	10	15	20	25	30			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52	/						1	4	52
51	/	/					3	6	51
50	/	/	/				3	6	50
49	/	/	/	/			3	3	49
48	/	/	/	/	/		5	10	48
47	/	/	/	/	/		5	15	47
46	/	/	/	/	/		3	8	46
45	/	/	/	/	/		6	13	45
44	/	/	/	/	/		8	16	44
43	/	/	/	/	/			12	43
42	/	/	/	/	/		10	20	42
41	/	/	/	/	/		11	16	41
40	/	/	/	/	/		3	7	40
39	/	/	/	/	/		2	4	39
38	/	/	/	/	/		2	6	38
37	/	/	/	/	/		2	4	37
36	/	/	/	/	/		0	4	36
35	/	/	/	/	/		2	2	35
34	/	/	/	/	/		2	2	34
33	/	/	/	/	/		0	0	33
32	/	/	/	/	/		1	1	32
31	/	/	/	/	/		1	1	31
30									30
29									29
28									28
27									27
26									26
25									25
24									24
23									23
22									22
21									21
20									20
19									19
18									18
17									17
16									16
15									15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



SPRING STREET

ELK RUN LOOP TO HIGH ST

DATE: 5/22/2013

SURVEY BY: C. BUENDIA

TIME: 11:00 AM - 12:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF ELK RUN LOOP
DATE OF SURVEY	5/22/2013
85th PERCENTILE	51.7 MPH
10 MPH PACE	43 - 52 MPH
PERCENT IN PACE	73.3 %
POSTED SPEED LIMIT	45 MPH
	ELECTRONIC RADAR FEEDBACK

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	2
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.20 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	9,650
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - ELK RUN LOOP / CHARLES
CROSSWALKS	AT ELK RUN LOOP / CHARLES
PEDESTRIAN/BICYCLES	FEW / YES
TRUCK TRAFFIC	NO (Except for Local Deliveries)
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	FENCED EQUESTRIAN TRAIL (SB) / BUS CUT OUTS WATCH DOWNHILL SPEED (SB) / BIKE LANES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.72
VERTICAL CURVE	CONSTANT GRADUAL UPHILL GRADE (NB)
HORIZONTAL CURVE	SEVERAL GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES (NB) / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND TALL TREES IN MEDIAN RESRICT SIGHT DISTANCE

ADJACENT LAND USE	RESIENTIAL (non-fronting) / OPEN / VENTURA COUNTY PUBLIC WORKS
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 This portion of Spring Road is a four lane roadway. The speed survey resulted with an 85th percentile speed of 51.7 and a 10 mph pace range of 43 to 52 mph. The field notes show residential dwelling non-fronting to the roadway, painted bike lanes, and gradual to moderate horizontal and vertical curves. With the areas of limited sight distance and consistency with adjacent segments, it is recommended that the existing 45 mph speed limit be maintained.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

SPRING STREET

DATE: 5/22/2013

TIME: 11:00 AM - 12:00 PM

ELK RUN LOOP TO HIGH ST

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 99.5%
58						X 98.9%
57						X 98.4%
56						X 97.3%
55						X 94.7%
54						X 91.4%
53						X 88.8%
52						X 86.6% }PACE
51						X 81.3% }PACE ---85PCT
50						X 75.4% }PACE
49						X 71.7% }PACE
48						X 65.8% }PACE
47						X 58.3% }PACE
46						X 49.7% }PACE ---MEAN
45						X 36.9% }PACE
44						X 24.1% }PACE
43						X 18.7% }PACE
42						X 13.4% ---15PCT
41						X 8.6%
40						X 7.0%
39						X 5.3%
38						X 5.3%
37						X 4.3%
36						X 3.7%
35						X 3.2%
34						X 1.6%
33						X 0.5%
32						X 0.0%
31						X 0.0%
30						X 0.0%
29						X 0.0%
28						X 0.0%
27						X 0.0%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 52 MPH
 LOWER LIMIT 10 MPH PACE: 43 MPH
 PERCENT OVER PACE: 13.4 %
 PERCENT IN PACE: 73.3 %
 PERCENT UNDER PACE: 13.4 %

85th PERCENTILE SPEED: 51.7 MPH
 MEDIAN SPEED: 46.0 MPH
 15th PERCENTILE SPEED: 42.3 MPH

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: SPRING ROAD
 LOCATION: ELK RUN LOOP TO HIGH STREET

WEATHER: SLUDDY DATE: 05/22/13
 ROAD CONDITION: DRY START TIME: 11:00 AM
 OBSERVER: CATHY BUENDIA END TIME: 12:00 PM

DIRECTION: SOUTHBOUND

MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60	/					
59	/					
58	/					
57	/					2
56	/	/				5
55	/	/	/			6
54	/	/	/	/		6
53	/	/	/	/		4
52	/	/	/	/	/	7
51	/	/	/	/	/	8
50	/	/	/	/	/	5
49	/	/	/	/	/	6
48	/	/	/	/	/	9
47	/	/	/	/	/	9
46	/	/	/	/	/	14
45	/	/	/	/	/	14
44	/	/	/	/	/	3
43	/	/	/	/	/	2
42	/	/	/	/	/	5
41	/	/	/	/	/	
40	/	/	/	/	/	
39	/	/	/	/	/	0
38	/	/	/	/	/	0
37	/	/	/	/	/	0
36	/	/	/	/	/	
35	/	/	/	/	/	
34	/	/	/	/	/	
33	/	/	/	/	/	
32	/	/	/	/	/	
31	/	/	/	/	/	
30	/	/	/	/	/	
29	/	/	/	/	/	
28	/	/	/	/	/	
27	/	/	/	/	/	
26	/	/	/	/	/	
25	/	/	/	/	/	
24	/	/	/	/	/	
23	/	/	/	/	/	
22	/	/	/	/	/	
21	/	/	/	/	/	
20	/	/	/	/	/	
19	/	/	/	/	/	
18	/	/	/	/	/	
17	/	/	/	/	/	
16	/	/	/	/	/	
15	/	/	/	/	/	

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: NORTHBOUND

MPH	NUMBER OF VEHICLES					TOTAL	CUMULATIVE TOTAL	MPH
	5	10	15	20	25			
60							1	60
59							1	59
58							2	58
57							2	57
56							5	56
55							6	55
54	/	/					6	54
53	/	/	/				4	53
52	/	/	/	/			10	52
51	/	/	/	/	/		11	51
50	/	/	/	/	/		7	50
49	/	/	/	/	/		5	49
48	/	/	/	/	/		4	48
47	/	/	/	/	/		10	47
46	/	/	/	/	/		24	46
45	/	/	/	/	/		24	45
44	/	/	/	/	/		10	44
43	/	/	/	/	/		7	43
42	/	/	/	/	/		9	42
41	/	/	/	/	/		3	41
40	/	/	/	/	/		3	40
39	/	/	/	/	/		0	39
38	/	/	/	/	/		2	38
37	/	/	/	/	/		1	37
36	/	/	/	/	/		0	36
35	/	/	/	/	/		2	35
34	/	/	/	/	/		2	34
33	/	/	/	/	/		1	33
32	/	/	/	/	/			32
31	/	/	/	/	/			31
30	/	/	/	/	/			30
29	/	/	/	/	/			29
28	/	/	/	/	/			28
27	/	/	/	/	/			27
26	/	/	/	/	/			26
25	/	/	/	/	/			25
24	/	/	/	/	/			24
23	/	/	/	/	/			23
22	/	/	/	/	/			22
21	/	/	/	/	/			21
20	/	/	/	/	/			20
19	/	/	/	/	/			19
18	/	/	/	/	/			18
17	/	/	/	/	/			17
16	/	/	/	/	/			16
15	/	/	/	/	/			15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



SPRING STREET

HIGH ST / PRINCESTON AVE TO LOS ANGELES AVE

DATE: 5/22/2013

SURVEY BY: C. BUENDIA

TIME: 12:15 PM - 1:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF 2ND ST
DATE OF SURVEY	5/22/2013
85th PERCENTILE	41.5 MPH
10 MPH PACE	33 - 42 MPH
PERCENT IN PACE	77.1 %
POSTED SPEED LIMIT	40 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	2
TOTAL ACCIDENTS	3
ANNUAL ACCIDENT RATE	1.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.40 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	15,300
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - HIGH / 2ND / LOS ANGELES
CROSSWALKS	AT HIGH / 2ND / LOS ANGELES
PEDESTRIAN/BICYCLES	YES / FEW
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	BIKE LANES END AT 2ND ST BUS CUT OUTS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.45
VERTICAL CURVE	NONE
HORIZONTAL CURVE	NONE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	PARTIAL RAISED MEDIAN ISLAND AND PAINTED ISLAND (n.of 2nd) RxR XING

ADJACENT LAND USE	RESIENTIAL (non-fronting) / POLICE STATION / COMMERCIAL
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph speed limit is within 1.5 mph of the 85th percentile speed and meets CVC standards.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

SPRING STREET

DATE: 5/22/2013

TIME: 12:15 PM - 1:00 PM

HIGH ST / PRINCESTON AVE TO LOS ANGE

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 99.3%
46						X 97.9%
45						X 97.2%
44						X 94.4%
43						X 90.3%
42						X 88.2% }PACE
41						X 81.3% }PACE ---85PCT
40						X 73.6% }PACE
39						X 62.5% }PACE
38						X 52.8% }PACE
37						X 43.8% }PACE ---MEAN
36						X 38.2% }PACE
35						X 31.3% }PACE
34						X 21.5% }PACE
33						X 15.3% }PACE
32						X 11.1% ---15PCT
31						X 6.3%
30						X 5.6%
29						X 4.2%
28						X 3.5%
27						X 2.1%
26						X 1.4%
25						X 0.7%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 42 MPH
 LOWER LIMIT 10 MPH PACE: 33 MPH
 PERCENT OVER PACE: 11.8 %
 PERCENT IN PACE: 77.1 %
 PERCENT UNDER PACE: 11.1 %

85th PERCENTILE SPEED: 41.5 MPH
 MEDIAN SPEED: 37.7 MPH
 15th PERCENTILE SPEED: 32.9 MPH

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: SPRING STREET
 LOCATION: HIGH/PRINXETON AVE TO LOS ANGELES AVE

WEATHER: SUNNY DATE: 05/22/13
 ROAD CONDITION: DRY START TIME: 12:15 PM
 OBSERVER: CATHY BUENDIA END TIME: 1:00 PM JAL

DIRECTION: <u>NORTHBOUND</u>							
MPH	NUMBER OF VEHICLES					TOTAL	
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47	/						
46	/						
45	/						
44	/						2
43	/						3
42	/	/					8
41	/	/					6
40	/	/	/				10
39	/	/	/	/			4
38	/	/	/	/			5
37	/	/	/	/			4
36	/	/	/	/			3
35	/	/	/	/			4
34	/	/	/	/			4
33	/	/	/	/			2
32	/	/	/	/			3
31	/						
30	/						
29	/						
28	/						1
27	/						
26	/						
25	/						
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>SOUTHBOUND</u>								CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL			
	5	10	15	20	25	30			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48	/								48
47	/							2	47
46	/						0	2	46
45	/						2	4	45
44	/						2	6	44
43	/						2	8	43
42	/	/					2	10	42
41	/	/					2	12	41
40	/	/	/				2	14	40
39	/	/	/	/			0	14	39
38	/	/	/	/			0	13	38
37	/	/	/	/			4	9	37
36	/	/	/	/			2	8	36
35	/	/	/	/			0	4	35
34	/	/	/	/			0	4	34
33	/	/	/	/			4	6	33
32	/	/	/	/			4	7	32
31	/						0	7	31
30	/						0	2	30
29	/						0	2	29
28	/						1	2	28
27	/						1	1	27
26	/						1	1	26
25	/						1	1	25
24									24
23									23
22									22
21									21
20									20
19									19
18									18
17									17
16									16
15									15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



SPRING STREET

LOS ANGELES AVE TO PEACH HILL RD

DATE: 5/22/2013

SURVEY BY: C. BUENDIA

TIME: 2:15 PM - 3:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF PEACH HILL
DATE OF SURVEY	5/22/2013
85th PERCENTILE	46.8 MPH
10 MPH PACE	39 - 48 MPH
PERCENT IN PACE	77.2 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	11,700
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LOS ANGELES / PEACH HILL
CROSSWALKS	AT LOS ANGELES / PEACH HILL (sch)
PEDESTRIAN/BICYCLES	FEW / YES
TRUCK TRAFFIC	FEW
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES / SCHOOL BUSES NO STOPPING ON BRIDGE

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.66
VERTICAL CURVE	SLIGHT-GRADUAL UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL-MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND NARROW ROADWAY / WATCH DOWNHILL SPEED (NB)

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / COMMERCIAL (at Los Angeles) / CHURCH
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 45 mph speed limit is within 1.8 mph of the 85th percentile speed and meets CVC standards.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

SPRING STREET

DATE: 5/22/2013

TIME: 2:15 PM - 3:00 PM

LOS ANGELES AVE TO PEACH HILL RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 99.4%
52						X 99.4%
51						X 98.8%
50						X 98.8%
49						X 96.4%
48						X 91.0% }PACE
47						X 86.2% }PACE
46						X 79.0% }PACE ---85PCT
45						X 70.1% }PACE
44						X 58.1% }PACE
43						X 50.3% }PACE
42						X 43.7% }PACE ---MEAN
41						X 34.1% }PACE
40						X 31.7% }PACE
39						X 23.4% }PACE
38						X 13.8% ---15PCT
37						X 10.2%
36						X 6.6%
35						X 4.8%
34						X 1.8%
33						X 0.6%
32						X 0.0%
31						X 0.0%
30						X 0.0%
29						X 0.0%
28						X 0.0%
27						X 0.0%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 48 MPH
 LOWER LIMIT 10 MPH PACE: 39 MPH
 PERCENT OVER PACE: 9.0 %
 PERCENT IN PACE: 77.2 %
 PERCENT UNDER PACE: 13.8 %

85th PERCENTILE SPEED: 46.8 MPH
 MEDIAN SPEED: 43.0 MPH
 15th PERCENTILE SPEED: 38.1 MPH

Radars Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: SPRING STREET
 LOCATION: LOS ANGELES AVE TO PEACH HILL RD

WEATHER: SUNNY DATE: 05/22/13
 ROAD CONDITION: DRY START TIME: 2:15 PM
 OBSERVER: CATHY BUENDIA END TIME: 3:00 PM

DIRECTION: <u>SOUTHBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						0
52						0
51						0
50	/	/	/	/	/	4
49	/	/	/	/	/	6
48	/	/	/	/	/	4
47	/	/	/	/	/	7
46	/	/	/	/	/	8
45	/	/	/	/	/	9
44	/	/	/	/	/	9
43	/	/	/	/	/	4
42	/	/	/	/	/	4
41	/	/	/	/	/	6
40	/	/	/	/	/	6
39	/	/	/	/	/	4
38	/	/	/	/	/	4
37	/	/	/	/	/	2
36						0
35	/					1
34						
33						
32						
31						
30						
29						
28						
27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>NORTHBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49	/	/	/	/	/	3
48	/	/	/	/	/	4
47	/	/	/	/	/	5
46	/	/	/	/	/	7
45	/	/	/	/	/	9
44	/	/	/	/	/	4
43	/	/	/	/	/	7
42	/	/	/	/	/	10
41	/	/	/	/	/	4
40	/	/	/	/	/	8
39	/	/	/	/	/	4
38	/	/	/	/	/	4
37	/	/	/	/	/	5
36	/	/	/	/	/	3
35	/	/	/	/	/	3
34	/	/	/	/	/	4
33	/	/	/	/	/	2
32						
31						
30						
29						
28						
27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
1	54
0	53
0	52
0	51
4	50
4	49
8	48
12	47
15	46
20	45
3	44
1	43
16	42
4	41
14	40
16	39
6	38
6	37
3	36
5	35
2	34
1	33
	32
	31
	30
	29
	28
	27
	26
	25
	24
	23
	22
	21
	20
	19
	18
	17
	16
	15

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



SPRING STREET

PEACH HILL RD TO TIERRA REJADA RD

DATE: 5/22/2013

SURVEY BY: C. BUENDIA

TIME: 3:00 PM - 3:45 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF TIERRA REJADA
DATE OF SURVEY	5/22/2013
85th PERCENTILE	47.9 MPH
10 MPH PACE	40 - 49 MPH
PERCENT IN PACE	85.1 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	2
TOTAL ACCIDENTS	3
ANNUAL ACCIDENT RATE	1.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.52 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	7,950
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - PEACH HILL / TIERRA REJADA
CROSSWALKS	AT PEACH HILL (sch) / TIERRA REJADA
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES KEEP CLEAR (SB) AT CHRISTIAN BARRETT

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.66
VERTICAL CURVE	SLIGHT-GRADUAL UP/DOWNHILL GRADES
HORIZONTAL CURVE	SLIGHT-GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO (NB) - YES / FEW (SB)
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND NARROW ROADWAY

ADJACENT LAND USE	RESIENTIAL (non-fronting) / COMMERCIAL (at Tierra Rejada) / PARK
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 45 mph speed limit is within 2.9 mph of the 85th percentile speed and meets CVC standards.

* 25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

SPRING STREET

DATE: 5/22/2013

TIME: 3:00 PM - 3:45 PM

PEACH HILL RD TO TIERRA REJADA RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 98.9%
49						94.9% }PACE
48					X	85.7% }PACE
47				X		78.9% }PACE ---85PCT
46				X		67.4% }PACE
45			X			57.7% }PACE
44			X			45.1% }PACE ---MEAN
43		X				37.1% }PACE
42		X				29.1% }PACE
41		X				22.3% }PACE
40		X				18.9% }PACE
39	X					9.7% ---15PCT
38	X					4.0%
37	X					2.9%
36	X					2.3%
35	X					1.1%
34	X					0.0%
33	X					0.0%
32	X					0.0%
31	X					0.0%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 49 MPH
 LOWER LIMIT 10 MPH PACE: 40 MPH
 PERCENT OVER PACE: 5.1 %
 PERCENT IN PACE: 85.1 %
 PERCENT UNDER PACE: 9.7 %

85th PERCENTILE SPEED: 47.9 MPH
 MEDIAN SPEED: 44.4 MPH
 15th PERCENTILE SPEED: 39.6 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: SPRING STREET
 LOCATION: PEACH HILL ST TO TIERRA REJADA RD

WEATHER: SUNNY DATE: 05/22/13
 ROAD CONDITION: DRY START TIME: 3:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 3:45 PM

DIRECTION:	MPH	NUMBER OF VEHICLES						TOTAL
		5	10	15	20	25	30	
	60							
	59							
	58							
	57							
	56							
	55							
	54							
	53							
	52							
	51							
	50	/	/	/	/	/	/	2
	49	/	/	/	/	/	/	7
	48	/	/	/	/	/	/	16
	47	/	/	/	/	/	/	12
	46	/	/	/	/	/	/	20
	45	/	/	/	/	/	/	17
	44	/	/	/	/	/	/	22
	43	/	/	/	/	/	/	14
	42	/	/	/	/	/	/	14
	41	/	/	/	/	/	/	12
	40	/	/	/	/	/	/	10
	39	/	/	/	/	/	/	6
	38	/	/	/	/	/	/	2
	37	/	/	/	/	/	/	2
	36	/	/	/	/	/	/	2
	35	/	/	/	/	/	/	2
	34							
	33							
	32							
	31							
	30							
	29							
	28							
	27							
	26							
	25							
	24							
	23							
	22							
	21							
	20							
	19							
	18							
	17							
	16							
	15							

COUNT

DIRECTION:	MPH	NUMBER OF VEHICLES						TOTAL
		5	10	15	20	25	30	
	60							
	59							
	58							
	57							
	56							
	55							
	54							
	53							
	52							
	51	/	/	/	/	/	/	2
	50	/	/	/	/	/	/	5
	49	/	/	/	/	/	/	9
	48	/	/	/	/	/	/	7
	47	/	/	/	/	/	/	7
	46	/	/	/	/	/	/	4
	45	/	/	/	/	/	/	13
	44	/	/	/	/	/	/	9
	43	/	/	/	/	/	/	5
	42	/	/	/	/	/	/	6
	41	/	/	/	/	/	/	2
	40	/	/	/	/	/	/	2
	39	/	/	/	/	/	/	5
	38	/	/	/	/	/	/	2
	37	/	/	/	/	/	/	1
	36	/	/	/	/	/	/	2
	35	/	/	/	/	/	/	2
	34							
	33							
	32							
	31							
	30							
	29							
	28							
	27							
	26							
	25							
	24							
	23							
	22							
	21							
	20							
	19							
	18							
	17							
	16							
	15							

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
2	51
7	50
16	49
12	48
20	47
17	46
22	45
14	44
14	43
12	42
10	41
6	40
2	39
2	38
2	37
2	36
2	35
	34
	33
	32
	31
	30
	29
	28
	27
	26
	25
	24
	23
	22
	21
	20
	19
	18
	17
	16
	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



TIERRA REJADA ROAD

EAST CITY LIMITS TO SPRING ST

DATE: 5/23/2013

SURVEY BY: C. BUENDIA

TIME: 9:15 AM - 10:00 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF MILLER
DATE OF SURVEY	5/23/2013
85th PERCENTILE	49.3 MPH
10 MPH PACE	41 - 50 MPH
PERCENT IN PACE	81.3 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	10
TOTAL ACCIDENTS	17
ANNUAL ACCIDENT RATE	5.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.56 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	31,650
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - FWY NB & SB RAMPS / SUNSET VALLEY / MILLER / SPRING
CROSSWALKS	AT MILLER / SPRING
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES - LOCAL DELIVERIES ONLY
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES NO TRUCKS OVER 2 AXELS WB ON TIERRA REJADA

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.77
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	SLIGHT "S" CURVES
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES (WB) / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND DIRT SHOULDERS EB SUNSET VALLEY TO FWY

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / OPEN - AGRICULTURE
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph speed limit is within 4.3 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

HCI **CITY OF MOORPARK**
TIERRA REJADA ROAD **EAST CITY LIMITS TO SPRING ST**
 DATE: 5/23/2013 SURVEY BY: C. BUENDIA
 TIME: 9:15 AM - 10:00 AM CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						x 100.0%
59						x 100.0%
58						x 100.0%
57						x 100.0%
56						x 99.5%
55						x 98.4%
54						x 97.4%
53						x 97.4%
52						x 95.3%
51						x 93.8%
50						x 91.7% }PACE
49						x 81.9% }PACE ---85PCT
48						x 72.0% }PACE
47						x 65.8% }PACE
46						x 58.0% }PACE
45						x 44.0% }PACE ---MEAN
44						x 32.1% }PACE
43						x 26.4% }PACE
42						x 19.2% }PACE
41						x 14.5% }PACE ---15PCT
40						x 10.4%
39						x 8.3%
38						x 5.2%
37						x 4.1%
36						x 3.6%
35						x 3.1%
34						x 2.1%
33						x 1.6%
32						x 1.0%
31						x 0.5%
30						x 0.0%
29						x 0.0%
28						x 0.0%
27						x 0.0%
26						x 0.0%
25						x 0.0%
24						x 0.0%
23						x 0.0%
22						x 0.0%
21						x 0.0%
20						x 0.0%
19						x 0.0%
18						x 0.0%
17						x 0.0%
16						x 0.0%
15						x 0.0%

UPPER LIMIT 10 MPH PACE:	50 MPH	85th PERCENTILE SPEED:	49.3 MPH
LOWER LIMIT 10 MPH PACE:	41 MPH	MEDIAN SPEED:	45.4 MPH
PERCENT OVER PACE:	8.3 %	15th PERCENTILE SPEED:	41.1 MPH
PERCENT IN PACE:	81.3 %		
PERCENT UNDER PACE:	10.4 %		

Radars Speed Survey Field Sheet

HARTZOG AND CRABILL INC.

AGENCY: CITY OF MOORPARK
 STREET: TIERRA REJADA ROAD
 LOCATION: EAST CITY LIMITS

WEATHER: SUNNY DATE: 05/23/13
 ROAD CONDITION: DRY START TIME: 9:15 AM
 OBSERVER: CATHY BUENDIA END TIME: 10:00 AM VCM

DIRECTION: EASTBOUND		NUMBER OF VEHICLES						TOTAL
MPH	5	10	15	20	25	30		
60								
59								
58								
57	/							
56	/							
55	/							
54	/							
53	/	/					3	
52	/	/					2	
51	/	/	/				3	
50	/	/	/	/			4	
49	/	/	/	/	/		5	
48	/	/	/	/	/		5	
47	/	/	/	/	/		5	
46	/	/	/	/	/		5	
45	/	/	/	/	/		5	
44	/	/	/	/	/		5	
43	/	/	/	/	/		5	
42	/	/	/	/	/		5	
41	/	/	/	/	/		5	
40	/	/	/	/	/		5	
39	/	/	/	/	/		5	
38	/	/	/	/	/		5	
37							0	
36							0	
35	/						1	
34							0	
33							0	
32	/						1	
31	/						1	
30							0	
29							0	
28							0	
27							0	
26							0	
25							0	
24							0	
23							0	
22							0	
21							0	
20							0	
19							0	
18							0	
17							0	
16							0	
15							0	

DIRECTION: WESTBOUND		NUMBER OF VEHICLES						TOTAL	CUMULATIVE TOTAL	MPH
MPH	5	10	15	20	25	30				
60										60
59										59
58										58
57										57
56	/								1	56
55	/								2	55
54									0	54
53	/								1	53
52	/	/							2	52
51	/	/	/						3	51
50	/	/	/	/					4	50
49	/	/	/	/	/				5	49
48	/	/	/	/	/				5	48
47	/	/	/	/	/				5	47
46	/	/	/	/	/				5	46
45	/	/	/	/	/				5	45
44	/	/	/	/	/				5	44
43	/	/	/	/	/				5	43
42	/	/	/	/	/				5	42
41	/	/	/	/	/				5	41
40	/	/	/	/	/				5	40
39	/	/	/	/	/				5	39
38	/	/	/	/	/				5	38
37									0	37
36	/								1	36
35	/								1	35
34	/								2	34
33									1	33
32									1	32
31									1	31
30									1	30
29									1	29
28									1	28
27									1	27
26									1	26
25									1	25
24									1	24
23									1	23
22									1	22
21									1	21
20									1	20
19									1	19
18									1	18
17									1	17
16									1	16
15									1	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



TIERRA REJADA ROAD

SPRING ST TO PEACH HILL RD

DATE: 5/23/2013

SURVEY BY: C. BUENDIA

TIME: 10:00 AM - 10:45 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF SOUTH
DATE OF SURVEY	5/23/2013
85th PERCENTILE	50.0 MPH
10 MPH PACE	42 - 51 MPH
PERCENT IN PACE	79.7 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	2
TOTAL ACCIDENTS	4
ANNUAL ACCIDENT RATE	1.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.14 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	20,050
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - PEACH HILL / SPRING
CROSSWALKS	AT PEACH HILL / SPRING
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES ELECTRONIC DIGITAL SPEED FEEDBACK

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.98
VERTICAL CURVE	SLIGHT-GRADUAL UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL-MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES (WB) / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL (non-fronting) / COMMERCIAL (at Spring)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 This portion of Tierra Rejada Road is a four lane arterial roadway with a 45 mph speed limit. Field observations include designated bike lanes, no stopping anytime, raised median island, gradual to moderate horizontal and vertical curves. This area is a speed concern to the City as electronic digital speed feedbacks are visible to indicate to driver their current driving speed. The speed data resulted with an 85th percentile speed of 50.0 mph and a median speed of 45.4 mph. With the many areas of limited sight distance, it is recommended that the existing 45 mph speed limit be maintained.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

TIERRA REJADA ROAD

DATE: 5/23/2013

TIME: 10:00 AM - 10:45 AM

SPRING ST TO PEACH HILL RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 99.0%
53						X 98.0%
52						X 95.0%
51						X 92.1% }PACE
50					X	84.7% }PACE ---85PCT
49				X		77.7% }PACE
48				X		71.3% }PACE
47			X			63.9% }PACE
46			X			56.4% }PACE
45			X			45.0% }PACE ---MEAN
44		X				32.2% }PACE
43	X					24.8% }PACE
42	X					18.3% }PACE
41	X					12.4% ---15PCT
40	X					8.4%
39	X					5.0%
38	X					3.0%
37	X					2.5%
36	X					2.0%
35	X					1.0%
34	X					0.5%
33	X					0.0%
32	X					0.0%
31	X					0.0%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 51 MPH
 LOWER LIMIT 10 MPH PACE: 42 MPH
 PERCENT OVER PACE: 7.9 %
 PERCENT IN PACE: 79.7 %
 PERCENT UNDER PACE: 12.4 %

85th PERCENTILE SPEED: 50.0 MPH
 MEDIAN SPEED: 45.4 MPH
 15th PERCENTILE SPEED: 41.4 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: TIERRA RELAJADA ROAD
 LOCATION: SPRING ST. TO PEACH HILL RD

WEATHER: SUNNY DATE: 05/23/13
 ROAD CONDITION: DRY START TIME: 10:00 AM
 OBSERVER: CATHY BUENDIA END TIME: 10:45 AM VIA

DIRECTION: EAST BOUND						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54	/					
53	/					
52	/	/				
51	/	/	/			
50	/	/	/	/		
49	/	/	/	/	/	
48	/	/	/	/	/	
47	/	/	/	/	/	
46	/	/	/	/	/	
45	/	/	/	/	/	
44	/	/	/	/	/	
43	/	/	/	/	/	
42	/	/	/	/	/	
41	/	/	/	/	/	
40	/	/	/	/	/	
39	/	/	/	/	/	
38	/	/	/	/	/	
37	/	/	/	/	/	
36	/	/	/	/	/	
35						
34						
33						
32						
31						
30						
29						
28						
27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

DIRECTION: WEST BOUND							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25	30		
60								60
59								59
58								58
57								57
56								56
55	/						2	55
54	/						2	54
53	/						2	53
52	/	/					6	52
51	/	/	/				15	51
50	/	/	/	/			4	50
49	/	/	/	/	/		3	49
48	/	/	/	/	/		5	48
47	/	/	/	/	/		5	47
46	/	/	/	/	/	/	23	46
45	/	/	/	/	/	/	13	45
44	/	/	/	/	/	/	10	44
43	/	/	/	/	/	/	5	43
42	/	/	/	/	/	/	9	42
41	/	/	/	/	/	/	8	41
40	/	/	/	/	/	/	7	40
39	/	/	/	/	/	/	4	39
38	/	/	/	/	/	/		38
37	/	/	/	/	/	/	0	37
36	/	/	/	/	/	/		36
35	/	/	/	/	/	/		35
34	/	/	/	/	/	/		34
33								33
32								32
31								31
30								30
29								29
28								28
27								27
26								26
25								25
24								24
23								23
22								22
21								21
20								20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



TIERRA REJADA ROAD

PEACH HILL RD TO MOUNTAIN TRAIL ST

DATE: 5/23/2013

SURVEY BY: C. BUENDIA

TIME: 11:00 AM - 11:45 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF MOUNTAIN MEADOW
DATE OF SURVEY	5/23/2013
85th PERCENTILE	49.3 MPH
10 MPH PACE	41 - 50 MPH
PERCENT IN PACE	81.0 %
POSTED SPEED LIMIT	45 MPH / *25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	3
TOTAL ACCIDENTS	15
ANNUAL ACCIDENT RATE	1.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.21 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	17,150
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - MTN TRAIL / MTN MEADOW / WALNUT CREEK / PEACH HILL
CROSSWALKS	AT MTN TRAIL (sch)/ MTN MEADOW (sch) / WALNUT CREEK / PEACH HILL
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	NO TRUCKS MORE THAN 2 AXELS (WB) ELECTRONIC DIGITAL SPEED FEEDBACK / BIKE LANESS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	1.15
VERTICAL CURVE	SLIGHT-GRADUAL UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL-MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIENTIAL (non-fronting) / MTN MEADOW ELEMENTARY SCHOOL / PARK
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 45 mph is within 4.3 mph of the 85th percentile speed and meets CVC standards.

*25 mph When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

TIERRA REJADA ROAD

DATE: 5/23/2013

TIME: 11:00 AM - 11:45 AM

PEACH HILL RD TO MOUNTAIN TRAIL ST

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 99.1%
58						X 99.1%
57						X 98.6%
56						X 98.6%
55						X 97.7%
54						X 97.3%
53						X 97.3%
52						X 95.0%
51						X 93.7%
50						X 90.0% }PACE
49						X 82.8% }PACE ---85PCT
48						X 77.4% }PACE
47						X 66.1% }PACE
46						X 59.3% }PACE
45						X 50.2% }PACE
44						X 38.5% }PACE ---MEAN
43						X 30.3% }PACE
42						X 23.1% }PACE
41						X 15.8% }PACE
40						X 9.0% ---15PCT
39						X 6.8%
38						X 5.4%
37						X 3.6%
36						X 2.3%
35						X 1.8%
34						X 0.5%
33						X 0.5%
32						X 0.5%
31						X 0.0%
30						X 0.0%
29						X 0.0%
28						X 0.0%
27						X 0.0%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 50 MPH
 LOWER LIMIT 10 MPH PACE: 41 MPH
 PERCENT OVER PACE: 10.0 %
 PERCENT IN PACE: 81.0 %
 PERCENT UNDER PACE: 9.0 %

85th PERCENTILE SPEED: 49.3 MPH
 MEDIAN SPEED: 45.0 MPH
 15th PERCENTILE SPEED: 40.9 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: TIERRA REJADA ROAD
 LOCATION: PEACH HILL RD TO MOUNTAIN TRAIL ST.

WEATHER: SUNNY DATE: 05/23/13
 ROAD CONDITION: DRY START TIME: 11:00 AM
 OBSERVER: CATHY BUENDIA END TIME: 11:45 AM VGL

DIRECTION: <u>EASTBOUND</u>		NUMBER OF VEHICLES					TOTAL
MPH	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55	/						
54	/						
53	/	/					2
52	/	/	/				3
51	/	/	/	/			4
50	/	/	/	/	/		7
49	/	/	/	/	/		6
48	/	/	/	/	/	/	8
47	/	/	/	/	/	/	8
46	/	/	/	/	/	/	7
45	/	/	/	/	/	/	7
44	/	/	/	/	/	/	7
43	/	/	/	/	/	/	6
42	/	/	/	/	/	/	6
41	/	/	/	/	/	/	7
40	/	/	/	/	/	/	7
39	/	/	/	/	/	/	7
38	/	/	/	/	/	/	7
37	/	/	/	/	/	/	7
36	/	/	/	/	/	/	7
35	/	/	/	/	/	/	7
34							2
33							
32							
31							
30							
29							
28							
27							
26							
25							
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

DIRECTION: <u>WESTBOUND</u>		NUMBER OF VEHICLES					TOTAL	CUMULATIVE TOTAL	MPH
MPH	5	10	15	20	25	30			
60	/						2	2	60
59	/						0	0	59
58	/						0	0	58
57	/						0	0	57
56	/						2	2	56
55	/						0	0	55
54	/						0	0	54
53	/	/					3	3	53
52	/	/	/				0	3	52
51	/	/	/	/			4	7	51
50	/	/	/	/	/		9	16	50
49	/	/	/	/	/		10	26	49
48	/	/	/	/	/	/	12	38	48
47	/	/	/	/	/	/	7	45	47
46	/	/	/	/	/	/	3	48	46
45	/	/	/	/	/	/	4	52	45
44	/	/	/	/	/	/	9	61	44
43	/	/	/	/	/	/	11	72	43
42	/	/	/	/	/	/	12	84	42
41	/	/	/	/	/	/	8	92	41
40	/	/	/	/	/	/	4	96	40
39	/	/	/	/	/	/	3	99	39
38	/	/	/	/	/	/	3	102	38
37	/	/	/	/	/	/	2	104	37
36	/	/	/	/	/	/	2	106	36
35	/	/	/	/	/	/	0	106	35
34							0	106	34
33							0	106	33
32	/						1	107	32
31								107	31
30								107	30
29								107	29
28								107	28
27								107	27
26								107	26
25								107	25
24								107	24
23								107	23
22								107	22
21								107	21
20								107	20
19								107	19
18								107	18
17								107	17
16								107	16
15								107	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



TIERRA REJADA ROAD

MOUNTAIN TRAIL ST TO LOS ANGELES AVE

DATE: 5/23/2013

SURVEY BY: C. BUENDIA

TIME: 11:45 AM - 12:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF COUNTRYWOOD
DATE OF SURVEY	5/23/2013
85th PERCENTILE	47.4 MPH
10 MPH PACE	39 - 48 MPH
PERCENT IN PACE	77.5 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	3
TOTAL ACCIDENTS	6
ANNUAL ACCIDENT RATE	1.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.41 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	11,150
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LOS ANGELES / COUNTRYWOOD / MTN TRAIL / SHOP CTR
CROSSWALKS	AT LOS ANGELES / COUNTRYWOOD (sch)/ MTN TRAIL (sch) / SHOP CTR (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES ELECTRONIC DIGITAL SPEED FEEDBACK

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.89
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND ROADWAY TRAVELS (CURVES) E/W TO N/S

ADJACENT LAND USE	RESIENTIAL (non-fronting) / MOORPARK HS / COMMERCIAL / PARK / DRAINAGE WASH
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 45 mph is within 2.4 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

TIERRA REJADA ROAD

DATE: 5/23/2013

TIME: 11:45 AM - 12:30 PM

MOUNTAIN TRAIL ST TO LOS ANGELES AV

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	99.5%
54					X	99.5%
53					X	98.4%
52					X	97.9%
51					X	95.8%
50					X	93.2%
49					X	89.0%
48					X	88.0% }PACE
47					X	82.7% }PACE ---85PCT
46					X	77.0% }PACE
45					X	69.1% }PACE
44					X	58.1% }PACE
43					X	48.7% }PACE ---MEAN
42					X	37.2% }PACE
41					X	28.8% }PACE
40					X	20.9% }PACE
39					X	15.2% }PACE
38					X	10.5% ---15PCT
37					X	9.4%
36					X	4.7%
35					X	3.1%
34					X	1.6%
33					X	0.5%
32					X	0.0%
31					X	0.0%
30					X	0.0%
29					X	0.0%
28					X	0.0%
27					X	0.0%
26					X	0.0%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 48 MPH
 LOWER LIMIT 10 MPH PACE: 39 MPH
 PERCENT OVER PACE: 12.0 %
 PERCENT IN PACE: 77.5 %
 PERCENT UNDER PACE: 10.5 %

85th PERCENTILE SPEED: 47.4 MPH
 MEDIAN SPEED: 43.1 MPH
 15th PERCENTILE SPEED: 39.0 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: TIERRA REJADA ROAD
 LOCATION: MOUNTAIN TRAIL ST. TO LOS ANGELES AVE

WEATHER: SUNNY DATE: 05/23/13
 ROAD CONDITION: DRY START TIME: 11:45 AM
 OBSERVER: CATHY BUENDIA END TIME: 12:30 PM ✓

DIRECTION: <u>EASTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53	/					
52	/	/				
51	/	/	/			
50	/	/	/	/		
49	/	/	/	/	/	
48	/	/	/	/	/	
47	/	/	/	/	/	
46	/	/	/	/	/	
45	/	/	/	/	/	
44	/	/	/	/	/	
43	/	/	/	/	/	
42	/	/	/	/	/	
41	/	/	/	/	/	
40	/	/	/	/	/	
39	/	/	/	/	/	
38	/	/	/	/	/	
37	/	/	/	/	/	
36	/	/	/	/	/	
35	/	/	/	/	/	
34	/	/	/	/	/	
33	/	/	/	/	/	
32						
31						
30						
29						
28						
27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

NUMBER OF VEHICLES

DIRECTION: <u>WESTBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25	30		
60								60
59								59
58								58
57								57
56	/						1	56
55	/						2	55
54	/	/					3	54
53	/	/	/				6	53
52	/	/	/	/			10	52
51	/	/	/	/	/		15	51
50	/	/	/	/	/	/	22	50
49	/	/	/	/	/	/	29	49
48	/	/	/	/	/	/	36	48
47	/	/	/	/	/	/	43	47
46	/	/	/	/	/	/	50	46
45	/	/	/	/	/	/	57	45
44	/	/	/	/	/	/	64	44
43	/	/	/	/	/	/	71	43
42	/	/	/	/	/	/	78	42
41	/	/	/	/	/	/	85	41
40	/	/	/	/	/	/	92	40
39	/	/	/	/	/	/	99	39
38	/	/	/	/	/	/	106	38
37	/	/	/	/	/	/	113	37
36	/	/	/	/	/	/	120	36
35	/	/	/	/	/	/	127	35
34	/	/	/	/	/	/	134	34
33	/	/	/	/	/	/	141	33
32							141	32
31							141	31
30							141	30
29							141	29
28							141	28
27							141	27
26							141	26
25							141	25
24							141	24
23							141	23
22							141	22
21							141	21
20							141	20
19							141	19
18							141	18
17							141	17
16							141	16
15							141	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



UNIVERSITY DRIVE

GRIFFIN LANE TO COLLINS AVE

DATE: 6/12/2013

SURVEY BY: C. BUENDIA

TIME: 3:45 PM - 5:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF BORGES
DATE OF SURVEY	6/12/2013
85th PERCENTILE	31.3 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	85.3 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	400
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - COLLINS
CROSSWALKS	COLLINS
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	PARTIAL
OTHER	AREAS OF 1 HR PARKING / AREAS OF NO PARKING 8am-8pm

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.30
VERTICAL CURVE	GRADUAL UPHILL (NB)
HORIZONTAL CURVE	GRADUAL-MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	

ADJACENT LAND USE	RESIENTIAL (fronting) / MOORPARK COMMUNITY COLLEGE
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 30 mph is within 1.3 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

HCI CITY OF MOORPARK
UNIVERSITY DRIVE

GRIFFIN LANE TO COLLINS AVE
SURVEY BY: C. BUENDIA
CHECKED BY: JERRY STOCK

DATE: 6/12/2013
TIME: 3:45 PM - 5:00 PM

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	99.0%
38					X	98.0%
37					X	98.0%
36					X	96.1%
35					X	95.1%
34					X	94.1% }PACE
33					X	89.2% }PACE
32					X	89.2% }PACE
31				X		83.3% }PACE ---85PCT
30				X		79.4% }PACE
29				X		64.7% }PACE
28			X			55.9% }PACE
27		X				39.2% }PACE ---MEAN
26		X				23.5% }PACE
25		X				16.7% }PACE
24		X				8.8% ---15PCT
23	X					6.9%
22	X					4.9%
21	X					2.0%
20	X					1.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 5.9 %
 PERCENT IN PACE: 85.3 %
 PERCENT UNDER PACE: 8.8 %

85th PERCENTILE SPEED: 31.3 MPH
 MEDIAN SPEED: 27.6 MPH
 15th PERCENTILE SPEED: 24.8 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: UNIVERSITY DRIVE
 LOCATION: GRIFFIN LANE TO COLLINS AVE

WEATHER: SUNNY DATE: 06/12/13
 ROAD CONDITION: DRY START TIME: 3:45 PM
 OBSERVER: CATHY BUENDIA END TIME: 5:00 PM VGM

DIRECTION: <u>SOUTHBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40	/					
39	/					
38	/					
37	/	/				
36	/	/				
35	/	/				
34	/	/	/			
33	/	/	/	/		
32	/	/	/	/	/	
31	/	/	/	/	/	
30	/	/	/	/	/	
29	/	/	/	/	/	
28	/	/	/	/	/	
27	/	/	/	/	/	
26	/	/	/	/	/	
25	/	/	/	/	/	
24	/	/	/	/	/	
23	/	/	/	/	/	
22	/	/	/	/	/	
21	/	/	/	/	/	
20	/	/	/	/	/	
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>NORTHBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25	30		
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44								44
43								43
42								42
41								41
40								40
39								39
38								38
37								37
36	/							36
35	/							35
34	/	/						34
33	/	/	/					33
32	/	/	/	/				32
31	/	/	/	/	/			31
30	/	/	/	/	/	/		30
29	/	/	/	/	/	/		29
28	/	/	/	/	/	/		28
27	/	/	/	/	/	/		27
26	/	/	/	/	/	/		26
25	/	/	/	/	/	/		25
24	/	/	/	/	/	/		24
23	/	/	/	/	/	/		23
22	/	/	/	/	/	/		22
21	/	/	/	/	/	/		21
20	/	/	/	/	/	/		20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



WALNUT CREEK ROAD

MOUNTAIN TRAIL ST TO TIERRA REJADA RD

DATE: 6/5/2013

SURVEY BY: C. BUENDIA

TIME: 1:45 PM - 3:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF FOREST GLENN
DATE OF SURVEY	6/5/2013
85th PERCENTILE	35.0 MPH
10 MPH PACE	27 - 36 MPH
PERCENT IN PACE	84.5 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	2
TOTAL ACCIDENTS	3
ANNUAL ACCIDENT RATE	1.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	1.49 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	2,300
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - TIERRA REJADA / STOP - HILLSIDE / MTN TRAIL
CROSSWALKS	AT TIERRA REJADA / STOP - HILLSIDE (sch) / MTN TRAIL (sch)
PEDESTRIAN/BICYCLES	FEW / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.80
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL-MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE / BUS PULL OUTS

ADJACENT LAND USE	RESIENTIAL (non-fronting)
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The portion of Walnut Creek Road has one lane of travel in each direction. The speed survey resulted with an 85th percentile speed of 35.0 mph and a 10 mph pace range of 27 to 36 mph. Field observations include residential non-fronting to the roadway, bus stop pull-outs, bike lanes, several stops and intersecting streets, and tight horizontal. The sight distance is approximately 245 feet east of Arbor Hill and the required sight distance for 35 mph is 250 feet. Therefore, it is recommended that existing 30 mph be maintained.

RADAR SPEED DISTRIBUTION SHEET



CITY OF MOORPARK

WALNUT CREEK ROAD

DATE: 6/5/2013

TIME: 1:45 PM - 3:00 PM

MOUNTAIN TRAIL ST TO TIERRA REJADA F

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	99.1%
38					X	97.4%
37					X	95.7%
36					X	93.1% }PACE
35					X	85.3% }PACE
34				X		75.9% }PACE ---85PCT
33			X			67.2% }PACE
32			X			59.5% }PACE
31		X				49.1% }PACE ---MEAN
30		X				37.1% }PACE
29		X				26.7% }PACE
28		X				18.1% }PACE
27	X					12.1% }PACE ---15PCT
26	X					8.6%
25	X					4.3%
24	X					1.7%
23	X					0.9%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 36 MPH
 LOWER LIMIT 10 MPH PACE: 27 MPH
 PERCENT OVER PACE: 6.9 %
 PERCENT IN PACE: 84.5 %
 PERCENT UNDER PACE: 8.6 %

85th PERCENTILE SPEED: 35.0 MPH
 MEDIAN SPEED: 31.1 MPH
 15th PERCENTILE SPEED: 27.5 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: WALNUT CREEK ROAD
 LOCATION: MTN TRAIL ST TO TIERRA REJADA RD

WEATHER: SUNNY DATE: 06/05/13
 ROAD CONDITION: DRY START TIME: 1:45 PM
 OBSERVER: CATHY BUENDIA END TIME: 3:00 PM VML

DIRECTION: NORTH BOUND

MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
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AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: SOUTH BOUND

MPH	NUMBER OF VEHICLES					TOTAL	CUMULATIVE TOTAL	MPH
	5	10	15	20	25			
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44								44
43								43
42								42
41								41
40								40
39	/						2	39
38	/						2	38
37	/						3	37
36	/						4	36
35	/						5	35
34	/						6	34
33	/						7	33
32	/						8	32
31	/						9	31
30	/						10	30
29	/						11	29
28	/						12	28
27	/						13	27
26	/						14	26
25	/						15	25
24	/						16	24
23	/						17	23
22							18	22
21							19	21
20							20	20
19							21	19
18							22	18
17							23	17
16							24	16
15							25	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF MOORPARK



WALNUT CREEK ROAD

TIERRA REJADA RD TO MOUNTAIN MEADOW DR

DATE: 6/5/2013

SURVEY BY: C. BUENDIA

TIME: 12:30 PM - 1:45 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF HAVENCREST
DATE OF SURVEY	6/5/2013
85th PERCENTILE	39.9 MPH
10 MPH PACE	32 - 41 MPH
PERCENT IN PACE	82.6 %
POSTED SPEED LIMIT	35 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,250
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - TIERRA REJADA / STOP - MOUNTAIN MEADOW
CROSSWALKS	AT TIERRA REJADA
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES BUS PULL OUTS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.51
VERTICAL CURVE	SLIGHT-GRADUAL UP/DOWNHILL GRADES
HORIZONTAL CURVE	MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	DOUBLE YELLOW CENTERLINE

ADJACENT LAND USE	RESIENTIAL (non-fronting)
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 35 mph is within 4.9 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

CITY OF MOORPARK
WALNUT CREEK ROAD **TIERRA REJADA RD TO MOUNTAIN MEADOW DR**
DATE: 6/5/2013 **SURVEY BY: C. BUENDIA**
TIME: 12:30 PM - 1:45 PM **CHECKED BY: JERRY STOCK**

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	98.5%
43					X	97.0%
42					X	94.7%
41					X	92.4% }PACE
40					X	86.4% }PACE
39					X	76.5% }PACE ---85PCT
38					X	69.7% }PACE
37					X	62.9% }PACE
36					X	53.8% }PACE
35					X	43.2% }PACE ---MEAN
34					X	31.8% }PACE
33					X	24.2% }PACE
32					X	17.4% }PACE
31					X	9.8% ---15PCT
30	X					5.3%
29	X					2.3%
28	X					0.8%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE:	41 MPH	85th PERCENTILE SPEED:	39.9 MPH
LOWER LIMIT 10 MPH PACE:	32 MPH	MEDIAN SPEED:	35.6 MPH
PERCENT OVER PACE:	7.6 %	15th PERCENTILE SPEED:	31.7 MPH
PERCENT IN PACE:	82.6 %		
PERCENT UNDER PACE:	9.8 %		

Radar Speed Survey Field Sheet

AGENCY: CITY OF MOORPARK
 STREET: WALNUT CREEK ROAD
 LOCATION: TIERRA REJADA RD TO MTN MEADOW DR

WEATHER: SUNNY DATE: 06/05/13
 ROAD CONDITION: DRY START TIME: 12:30 PM
 OBSERVER: CATHY BUENDIA END TIME: 1:45 PM VML

DIRECTION: WESTBOUND / SB

MPH	NUMBER OF VEHICLES						TOTAL
	5	10	15	20	25	30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45	/						
44	/						
43	/						0
42	/						1
41	/	/					3
40	/	/	/				4
39	/	/	/	/			5
38	/	/	/	/	/		4
37	/	/	/	/	/		7
36	/	/	/	/	/		4
35	/	/	/	/	/		9
34	/	/	/	/	/		6
33	/	/	/	/	/		5
32	/	/	/	/	/		7
31	/	/	/	/	/		3
30	/	/	/	/	/		
29	/	/	/	/	/		
28							
27							
26							
25							
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

DIRECTION: EASTBOUND / NB

MPH	NUMBER OF VEHICLES						TOTAL	CUMULATIVE TOTAL	MPH
	5	10	15	20	25	30			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48									48
47									47
46									46
45	/							2	45
44	/							2	44
43	/							3	43
42	/							3	42
41	/	/						9	41
40	/	/	/					13	40
39	/	/	/	/				9	39
38	/	/	/	/	/			9	38
37	/	/	/	/	/			12	37
36	/	/	/	/	/			14	36
35	/	/	/	/	/			15	35
34	/	/	/	/	/			10	34
33	/	/	/	/	/			9	33
32	/	/	/	/	/			10	32
31	/	/	/	/	/			6	31
30	/	/	/	/	/			6	30
29	/	/	/	/	/			4	29
28	/	/	/	/	/			1	28
27									27
26									26
25									25
24									24
23									23
22									22
21									21
20									20
19									19
18									18
17									17
16									16
15									15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

APPENDIX B

Radars Certification

Certificate of Completion and Competency
DOPPLER RADAR OPERATION

Name & Title Cathy Buendia
Technician

Department Transportation

has successfully completed a course of instruction in the operation of Moving Car and Stationary Doppler Radar and is deemed competent to utilize the same Doppler Radar to determine the velocity of motor vehicles.

Date 7/23/91 Instructor [Signature]

EMI **WIPH** 316 East Ninth Street
Subsidiaries of MPD, Inc. Owensboro, KY 42301
(502) 685-6200



TRAFFIC RADAR CERTIFICATION

TESTED TO NHTSA SPECIFICATIONS / IACP CRITICAL PERFORMANCE STANDARDS
 (NHTSA) National Highway and Traffic Safety Administration.
 (IACP) International Association of Chiefs of Police.

16202 Keats Circle
 Westminster, Calif. 92683

R.H.F. is a certified independent testing and repair facility.

1	TEST ID	Date Received 6-3-13	Certification Number 64903						
2	DEVICE ID	Manufacturer MPH	Model K-15	Type (I-IV) III	Directional radar <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Same direction <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
		Counting unit S/N 12145	Antenna-1 S/N N/A	Antenna-2 S/N N/A					
3	§ 2.4 / § 5.4 TUNING FORK CALIBRATION	Low speed fork S/N 276979	Last date calib.	Freq. (Hz)	Speed (mph) 35	Measured (Hz) 2520	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL		
		High speed fork S/N	Last date calib.	Freq. (Hz)	Speed (mph)	Measured (Hz)			
4	§ 2.5 / § 5.5 RADAR DEVICE TUNING FORK TESTS	Stationary mode		Lo fork	High fork	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL			
				Fork speed (mph) 35	65				
				Disp. Speed (mph) 35	65				
		Moving mode Opposite Direction	TARGET SPEED (Hi fork - Lo fork)	Expected. (mph) N/A	Displayed. (mph) N/A				
Moving mode Same Direction	TARGET SPEED Hi fork + Lo fork Ho fork - Lo fork	Expected. (mph) N/A	Displayed. (mph) N/A						
5	§ 2.6.1 / § 5.6.1 TRANSMISSION FREQUENCY STABILITY	Standard supply Voltage (V) 13.6 V	Antenna 1 Freq. GHz 24.155	Antenna 2 Freq. GHz N/A	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL				
		Standard supply Voltage - 20% (V) 10.8 V	Antenna 1 Freq. GHz 24.155	Antenna 2 Freq. GHz N/A					
		Standard supply voltage + 20% (V) 16.3 V	Antenna 1 Freq. GHz 24.155	Antenna 2 Freq. GHz N/A					
6	§ 2.6.5 / § 5.6.5 POWER DENSITY	Mfg. Spec. (max mW/cm) ≤ 5	Antenna 1 Power (mW/cm) .3	Antenna 2 Power (mW/cm) N/A	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL				
7	§ 2.8 / § 5.8 LOW VOLTAGE	Mfg. spec. (V) ≤ 10.8V	LVA activates (V) N/A	LVA deactivates (V) N/A	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL				
8	§ 2.9.1 / § 5.9.1 DOPPLER AUDIO	A. Audio tone correlates with received Doppler signal <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		B. Functioning audio volume-adjustment control <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL			
9	§ 2.12.4 / § 5.12.4 INTERNAL CIRCUIT	Mfg. Spec. 32	Test results 32			<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL			
10	§ 2.12.6.5 / § 5.12.6.5 DIRECTIONAL	A. Selects only targets moving towards radar <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N.A.		B. Selects only targets moving away from radar <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N.A.		<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL			
11	§ 2.12.7 / § 2.12.8 / 5.12.7 / 5.12.8 LOW AND HIGH SPEED DISPLAY TEST	Stationary mode: target channel (mph)		Low speed spec. 20	Lo speed disp. 20	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL			
				Hi speed spec. 199	Hi speed disp. 199				
		Moving Mode target channel (mph)		Low speed spec. N/A	Lo speed disp. N/A			Hi speed spec. N/A	Hi speed disp. N/A
		Moving Mode: patrol channel (mph)		Low speed spec. N/A	Lo speed disp. N/A			Hi speed spec. N/A	Hi speed disp. N/A
12	§ 2.13 / § 5.13 RFI TEST	N/A				<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL			
13	LABORATORY COMMENTS								
14	NHTSA/IACP CERTIFICATION	This radar device meets or exceeds the minimal operational standards of the National Traffic Highway Safety Administration. California Vehicle Code Section 40802 <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL							
		Certified by: <i>Ford Bauman</i>			Date: 6-3-13				
15	INVENTORY	<input type="checkbox"/> Fork Cert <input type="checkbox"/> Manual <input type="checkbox"/> 2 nd Ant. <input type="checkbox"/> Remote <input type="checkbox"/> Bat. <input type="checkbox"/> Carrying Case Other: (please list)							



TRAFFIC RADAR CERTIFICATION

TESTED TO NHTSA SPECIFICATIONS / IACP CRITICAL PERFORMANCE STANDARDS
 (NHTSA) National Highway and Traffic Safety Administration.
 (IACP) International Association of Chiefs of Police.

16202 Keats Circle
 Westminster, Calif. 92683

R.H.F. is a certified independent testing and repair facility.

1	TEST ID	Date Received 6-3-13	Certification Number 64904					
2	DEVICE ID	Make: Kustom Electronics	Model: KR-10SP	Type (I-IV) IV	Directional radar <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Same direction <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		Counting unit S/N EE 8364	Antenna-1 S/N CC 9108	Antenna-2 S/N				
3	§ 2.4 / § 5.4 TUNING FORK CALIBRATION	Low speed fork S/N 6359	Last date calib.	Freq. (Hz)	Speed (mph) 35	Measured (Hz) 2542	<input checked="" type="checkbox"/> PASS	FAIL
		High speed fork S/N 15751	Last date calib.	Freq. (Hz)	Speed (mph) 65	Measured (Hz) 4732		
4	§ 2.5 / § 5.5 RADAR DEVICE TUNING FORK TESTS	Stationary mode		Lo fork	High fork		<input checked="" type="checkbox"/> PASS	FAIL
		Fork speed (mph)	35	65				
		Disp. Speed (mph)	35	65				
		Moving mode Opposite Direction	TARGET SPEED (Hi fork - Lo fork)	Expected. (mph) 30	Displayed. (mph)			
		Moving mode Same Direction	TARGET SPEED Hi fork + Lo fork Ho fork - Lo fork	Expected. (mph) N/A	Displayed. (mph) N/A			
5	§ 2.6.1. / § 5.6.1 TRANSMISSION FREQUENCY STABILITY	Standard supply Voltage (V) 13.6 V	Antenna 1 Freq. GHz 24.162	Antenna 2 Freq. GHz		<input checked="" type="checkbox"/> PASS	FAIL	
		Standard supply Voltage - 20% (V) 10.8 V	Antenna 1 Freq. GHz 24.162	Antenna 2 Freq. GHz				
		Standard supply voltage + 20% (V) 16.3 V	Antenna 1 Freq. GHz 24.162	Antenna 2 Freq. GHz				
6	§ 2.6.5 / § 5.6.5 POWER DENSITY	Mfg. Spec. (max mW/cm) ≤ 5	Antenna 1 Power (mW/cm) .4	Antenna 2 Power (mW/cm)		<input checked="" type="checkbox"/> PASS	FAIL	
7	§ 2.8 / § 5.8 LOW VOLTAGE	Mfg. spec. (V) ≤ 10.8 V	LVA activates (V) 9.9	LVA deactivates (V) 10.4		<input checked="" type="checkbox"/> PASS	FAIL	
8	§ 2.9.1 / § 5.9.1 DOPPLER AUDIO	A. Audio tone correlates with received Doppler signal B. Functioning audio volume-adjustment control		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> PASS	FAIL	
9	§ 2.12.4 / § 5.12.4 INTERNAL CIRCUIT	Mfg. Spec. 32	Test results 32		<input checked="" type="checkbox"/> PASS		FAIL	
10	§ 2.12.6.5 / § 5.12.6.5 DIRECTIONAL	A. Selects only targets moving towards radar B. Selects only targets moving away from radar		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N.A. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N.A.		PASS	FAIL	
11	§ 2.12.7 / § 2.12.8 / 5.12.7 / 5.12.8 LOW AND HIGH SPEED DISPLAY TEST	Stationary mode: target channel (mph)	Low speed spec. 15	Lo speed disp. 15		<input checked="" type="checkbox"/> PASS	FAIL	
			Hi speed spec. 175	Hi speed disp. 175				
		Moving Mode target channel (mph)	Low speed spec. 20	Lo speed disp. 20				
			Hi speed spec. 155	Hi speed disp. 155				
		Moving Mode: patrol channel (mph)	Low speed spec. 20	Lo speed disp. 20				
			Hi speed spec. 80	Hi speed disp. 80				
12	§ 2.13 / § 5.13 RFI TEST						<input checked="" type="checkbox"/> PASS	FAIL
13	LABORATORY COMMENTS							
14	NHTSA/IACP CERTIFICATION	This radar device meets or exceeds the minimal operational standards of the National Traffic Highway Safety Administration. California Vehicle Code Section 40802 <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL						
		Certified by: Ford Bauman			Date: 6-3-13			
15	INVENTORY	<input type="checkbox"/> Fork Cert <input type="checkbox"/> Manual <input type="checkbox"/> 2 nd Ant. <input type="checkbox"/> Remote <input type="checkbox"/> Bat. <input type="checkbox"/> Carrying Case Other: (please list)						