# Lafayette Drive (Comanche Road to Delamar Avenue) Speed Study FINAL REPORT 

## March 2015



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LAFAYETTE DRIVE SPEED STUDY (COMANHCE ROAD TO DELMAR AVENUE) FINAL REPORT
CITY OF ALBUQUERQUE - DEPARTMENT OF MUNICIPAL DEVELOPMENT

## I. INTRODUCTION

The City of Albuquerque - Department of Municipal Development (Engineering Division and Traffic Engineering Division) was requested to conduct a speed study along Lafayette Drive in northeast Albuquerque.

## II. PROJECT PURPOSE

A speed study on Lafayette Drive was conducted between Comanche Road and Delmar Avenue to determine the following:

- Evaluate the $85^{\text {th }}$ percentile speed along Lafayette Drive
- Determine from the speed study if there is a speeding along Lafayette Drive
- If speed humps are warranted based on the City's Neighborhood Traffic Management Program

As part of this study, an evaluation and cataloging of existing roadway conditions, collection of historical ADT and crash data, field speed surveys at two (2) locations within the study area, and evaluation the survey data will be completed.

## III. PROJECT DESCRIPTION

The study area will be a 0.2 mile ( 1,050 ') section of Lafayette Drive between Comanche Road and Delmar Avenue.

Please refer to Figures III.A. 1 below showing the project area.


Figure III.A. 1
Project Vicinity Map

## IV. BACKGROUND OF SPEED LIMITS

Speed limits are established on roadways of virtually all classifications, from interstate freeways to lowvolume local streets. The primary purpose of speed limits is to give motorists clear instruction as to what is a reasonable speed for them to drive at while traveling on a given roadway.

Among regulatory signage, speed limit signs arguably contain the most critical information that motorists need to be informed of while driving (next to stop signs, which are considered the highest impact regulatory sign). Drivers unfamiliar with a roadway often do not realize what characteristics the roadway has, and properly established speed limit signs give them the information they need to drive the roadway safely.

The NMDOT has guidelines for analyzing and establishing posted speed limits; the following text is based on one such example:

Realistic posted speed limits are of public importance for many reasons:

- They invite public compliance by conforming to the behavior or the driving majority
- They give clear reminders of safe and reasonable speeds to non-conforming violators
- They offer the most effective tool for law enforcement of safe driving
- They will minimize public antagonism toward law enforcement that results from unreasonable regulations

Improperly, or artificially low, posted speed limits can cause problems for state and local agencies for several reasons:

- They do not encourage voluntary compliance, since they do not reflect the behavior of the majority
- They make the behavior of the majority unlawful
- They maximize public antagonism toward law enforcement, since the perception is that the police are enforcing a "speed trap"
- They create a bad image for a community in the eyes of visitors/tourists


## IV.A SETTING SPEED LIMITS

In accordance with Section 66-7-303 of the New Mexico Criminal and Traffic Law Manual, the speed limit on state highways shall be set by the Cabinet Secretary of the Department of Transportation, based on an engineering survey and traffic investigation that includes the following parameters:

- Spot speed studies (typically consisting of 100 vehicles)
- Roadway geometry/number of lanes
- Roadside environment and characteristics
- Building setbacks (if within a commercial business district)
- Driveway and intersection spacing/density
- Historical crash data for the roadway study area

Many speed limits are established using the theory of the $85^{\text {th }}$ percentile. Out of the (typically) 100 vehicles surveyed, beginning with the fastest vehicle speed recorded the $15^{\text {th }}$ vehicle from that speed is determined to show where the $85^{\text {th }}$ percentile speed is. This is assuming that most drivers ( $85 \%$ ) drive within reasonable limits. The posted speed limit can then be established and is usually the $5-\mathrm{mph}$ increment just below the $85^{\text {th }}$ percentile speed. For example, if the $85^{\text {th }}$ percentile speed has been determined by an engineering survey to be 47 mph , the posted speed would be 45 mph . This method of posting speed limits allows for a reasonable posted speed limit that can be enforced by local agencies, without creating a speed trap.

For surveys with a different amount than 100 vehicles, the $85^{\text {th }}$ percentile speed is determined by the following formula: $100 / 15=\#$ of vehicles surveyed/X (where x is the vehicle at the $85^{\text {th }}$ percentile). For example, a 50 vehicle survey would result in:
$100 / 15=50 / X$
$X=7.5$, or the $8^{\text {th }}$ vehicle in the survey
Other methods are frequently used to further analyze the posting of speed limits - these are the mode, median and geometric mean:

- The mode is the most frequently clocked vehicle speed in a given survey - for example, in a 100 vehicle survey where 12 vehicles were clocked traveling 55 mph and no other speed was observed as frequently, the mode is 55 mph .
- The median is the numerical midpoint of a given survey - in a survey of 100 vehicles, the speeds of the $50^{\text {th }}$ and $51^{\text {st }}$ vehicles are added and divided by 2 to obtain the median speed. If the $50^{\text {th }}$ vehicle of such a survey was traveling 56 mph and the $51^{\text {st }}$ vehicle was also traveling 56 mph , the resulting median speed would be $(56+56) / 2=112 / 2=56 \mathrm{mph}$.
- The geometric mean is described as follows: "an average of a set of numbers that is calculated by multiplying all the numbers (" $n$ "), and taking the nth root of the total."


## Formula for Geometric Mean:

Geometric Mean $=\left(\left(X_{1}\right)\left(X_{2}\right)\left(X_{3}\right) \ldots \ldots . .\left(X_{N}\right)\right)^{1 / N}$
where
X = Individual Score (speed)
$\mathrm{N}=$ Sample size (Number of scores)

Step 1: $N=5$, the total number of values. Find $1 / N$. $1 / \mathrm{N}=0.2$

Step 2: Determine Geometric Mean using the formula.
$((51)(52)(55)(58)(60))^{0.2}=(507,592,800)^{0.2}$
Geometric Mean $=55.09 \mathrm{mph}$

In most cases, the geometric mean of a speed study will be of similar value of the median, often within 1 to 2 mph on either side of the median. In the above example, the median speed would be the third vehicle surveyed ( 55 mph ), and the geometric mean is 55.09 mph .

## IV.B STUDY AREA

The study area is along Lafayette Drive between beginning at Comanche Road and ending at Delmar Avenue. The existing speed limit along Lafayette Drive is 25 mph .

Traffic counts and speed data was collected at two (2) locations along Lafayette Drive. Traffic/speed count locations were collected at the following locations:

- South Count Station: Lafayette Drive 500' north of Comanche Road
- North Count Station: Lafayette Drive 500' south of Delamar Avenue

The AADT for the three locations listed above are listed below:

|  | Lane 1 (NB) | Lane 3 (SB) | AADT |
| :--- | :---: | :---: | :---: |
| South Count Location | 490 | 523 | 1013 |
| North Count Location | 396 | 435 | 831 |
| AADT | $\mathbf{4 4 3}$ | $\mathbf{4 7 9}$ | $\mathbf{9 2 2}$ |

Table IV.B. 1
AADT Count Data Results

Lafayette Drive study area ranges from 831 to 1013 vehicles per day with an average AADT of 922 vehicles.

The speed survey segments are described in more detail below, beginning with the southernmost portion of the corridor at Comanche Road. Each study segment will have descriptions of roadside environment, driveway and intersection density and photographs illustrating the study segment. From the south terminus of the study area, each survey segment is described as follows:

Traffic count data is located in Appendix A.

## IV.B. 1 - SEGMENT 1: LAFAYETTE DRIVE - 500' NORTH OF COMANCHE ROAD

This segment of the study area is ROW width of $57^{\prime}(+/-)$. A breakdown of the ROW is listed below:

- $40^{\prime}$ asphalt pavement
- 2.5' curb and gutter
- $4^{\prime}$ landscape buffer (EAST SIDE ONLY)
- 4’ sidewalk

Sidewalk, curb and sidewalk exist on both sides of Lafayette Drive. Below is a photo showing the cross-section listed above.


Figure IV.B. 1
Lafayette Drive north of Comanche Road

There are ten (10) driveways within this segment of the study area. Eight (8) driveways provide access to residential homes (east side). There are two (2) driveways on the west side that provides access to apartment complexes.

Results of the speed study for Segment 1 is listed below:

|  |  |  |  |
| ---: | ---: | ---: | ---: |
| Lane 1 (NB) |  |  | Lane 3 (SB) |
| Comb Total |  |  |  |
| South Count Location |  |  |  |
| Average | 19.6 | 19 | 19.3 |
| 50th Percentile | 21.9 | 21.4 | 21.6 |
| 67th Percentile | 24.5 | 23.8 | 24.2 |
| 85th Percentile | 28.5 | 27.7 | 28.1 |

Table IV.B. 2
South Count Location Speed Study Results
IV.B. 2 - SEGMENT 2: LAFAYETTE DRIVE - 500' SOUTH OF DELAMAR AVENUE

This segment of the study area is ROW width of $57^{\prime}(+/-)$. A breakdown of the ROW is listed below:

- $40^{\prime}$ asphalt pavement
- 2.5' curb and gutter
- $4^{\prime}$ landscape buffer (EAST SIDE ONLY)
- 4’ sidewalk

Sidewalk, landscape buffer, curb and sidewalk exist on both sides of Lafayette Drive. Below is a photo showing the cross-section listed above.


Figure IV.B. 2
Lafayette Drive south of Delamar Avenue

There are 9 driveways within this study area. All driveways provide access to residential homes. There are four (4) driveways on the west side that provides access to apartment complexes.

Results of the speed study for Segment 2 is listed below:

|  | Lane 1 (NB) | Lane 3 (SB) | Comb Total |
| ---: | ---: | ---: | ---: |
| North Count Location |  |  |  |
| Average | 19.1 | 17.7 | 18.4 |
| 50th Percentile | 21.6 | 20.6 | 21.1 |
| 67th Percentile | 23.7 | 22.9 | 23.3 |
| 85th Percentile | 27.6 | 26.5 | 27.0 |

Table IV.B. 3
North Count Location Speed Study Results

## V. CRASH DATA

Crash data was requested from the Traffic Safety Bureau at New Mexico Department of Transportation. NMDOT stated that there were no reported crashes along Lafayette Drive within the study area.

## VI. SPOT SPEED STUDY RESULTS

When considering establish a new posted speed limit, or revising an existing posted speed limit, on a given roadway a survey of traffic speeds is critical to determine a reasonably posted speed limit.

But before a posted speed limit can be modified, analysis must be conducted to ascertain whether or not the speed limit can be adjusted without resulting in further increases of motorists' travel speeds. Motorists usually drive at speeds that they feel safe, based on the observable roadway conditions; this means that if a roadway is wide, flat and straight, the motorist will drive at a speed they feel comfortable based on what they observe as opposed to what a speed limit sign would say. To elaborate further, a four-lane street that is flat and straight with no unusual conditions that has a posted speed of 30 mph would probably result in most motorists traveling well over that posted speed, because the roadway conditions dictate that they could safely drive much faster.

In the case of Lafayette Drive, the posted speed limit is 25 mph , and roadway conditions throughout the corridor are fairly consistent: controlled access, good pavement condition with wide (11') travel lanes, and onstreet parking. Thus, there are no unusual roadway conditions through the corridor.

Also, over 900 vehicles were surveyed at two (2) locations within the study area. The surveyed vehicles showed that $25 \%$ of those surveyed vehicles were traveling higher than the posted speed limit. This percentage indicates that the 25 mph speed limit on the study area of Lafayette Drive is probably a reasonably posted speed limit and that in order to maintain this speed limit, speed humps would be not be warranted. The survey results essentially make lawbreakers of $25 \%$ of the motorists who use this roadway.

Results of the speed study for the entire study area is listed below:

|  | Lane 1 (NB) | Lane 3 (SB) | Comb Total |
| ---: | ---: | ---: | ---: |
| Entire Study Area |  |  |  |
| Average | 19.4 | 18.4 | 18.9 |
| 50th Percentile | 21.8 | 21.0 | 21.4 |
| 67th Percentile | 24.1 | 23.4 | 23.7 |
| 85th Percentile | 28.1 | 18.1 | 23.1 |

Table VI. 1
Lafayette Drive Speed Study Results

## VII. U.S. LIMITS SPEED LIMIT PROGRAM

U.S. Limits is an FHWA sponsored program used to analyze speed limits. This program calculates a recommended speed limit based on the criteria given, which is listed on the website as follows:

- density of surrounding development (e.g. high density, low density or rural);
- frequency of roadside access (e.g. number of residential driveways, commercial, industrial, shopping, and special activity properties, and the number and type of intersecting roads);
- road function (e.g. traffic movement vs. access to abutting properties);
- road characteristics (e.g. paved width, divided or undivided, lane width and number of lanes, sight restrictions);
- road conditions and important high speed road characteristics (e.g. interchange spacing, AADT, shoulders);
- existing vehicle operating speeds;
- adjoining speed limits; and
- any special conditions that may exist on the road section (e.g. adverse alignment, pedestrian and roadside activities, high crash rates, etc).
This analysis was used for Lafayette Drive. Based on the data entered for the above-listed categories, the program concluded that a 25 mph posted speed limit was warranted for the corridor. The output sheet is shown in Appendix C - U.S. Limits Output.

This site can be accessed at http://www.uslimits.com

## VIII. CONCLUSION

After evaluating the traffic and speed study data collected through the project area, it apparent that none of criteria outlined in the City's Neighborhood Traffic Management Plan has been met to warrant speed humps.

## APPENDIX A

TRAFFIC DATA

## Basic Volume Report: Lafayette Dr-South Location

## Station ID : Lafayette Dr - South Location

Info Line 1 : North of Comanche Rd
Info Line 2 : Albuquerque
GPS Lat/Lon:
DB File : SOUTH.DB

Last Connected Device Type : Apollo
Version Number: 1.51 Serial Number:

Number of Lanes : 1 Posted Speed Limit :

| Lane \#1 Configuration |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| \# Dir. | Information | Volume Mode | Volume Sensors | Divide By 2 |



| Date | Time | :00 | :15 | :30 | 45 | Total |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 02/26/15 | 00:00 | 3 | 1 | 3 | 2 | 9 |  |  |  |  |
| Thu | 01:00 | 0 | 0 | 4 | 0 | 4 |  |  |  |  |
|  | 02:00 | 1 | 2 | 0 | 1 | 4 |  |  |  |  |
|  | 03:00 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |
|  | 04:00 | 1 | 0 | 0 | 0 | 1 |  |  |  |  |
|  | 05:00 | 2 | 0 | 1 | 2 | 5 |  |  |  |  |
|  | 06:00 | 2 | 5 | 0 | 2 | 9 |  |  |  |  |
|  | 07:00 | 6 | 2 | 3 | 5 | 16 |  |  |  |  |
|  | 08:00 | 8 | 7 | 3 | 6 | 24 |  |  |  |  |
|  | 09:00 | 3 | 5 | 3 | 8 | 19 |  |  |  |  |
|  | 10:00 | 6 | 6 | 4 | 10 | 26 |  |  |  |  |
|  | 11:00 | 7 | 5 | 7 | 8 | 27 |  |  |  |  |
|  | 12:00 | 7 | 8 | 6 | 8 | 29 |  |  |  |  |
|  | 13:00 | 6 | 9 | 9 | 7 | 31 |  |  |  |  |
|  | 14:00 | 9 | 8 | 6 | 9 | 32 |  |  |  |  |
|  | 15:00 | 6 | 1 | 9 | 9 | 25 |  |  |  |  |
|  | 16:00 | 11 | 10 | 8 | 13 | 42 |  |  |  |  |
|  | 17:00 | 13 | 11 | 12 | 8 | 44 |  |  |  |  |
|  | 18:00 | 12 | 8 | 7 | 12 | 39 |  |  |  |  |
|  | 19:00 | 10 | 5 | 10 | 7 | 32 |  |  |  |  |
|  | 20:00 | 7 | 4 | 5 | 8 | 24 |  |  |  |  |
|  | 21:00 | 2 | 5 | 5 | 6 | 18 |  |  |  |  |
|  | 22:00 | 5 | 5 | 2 | 6 | 18 |  |  |  |  |
|  | 23:00 | 4 | 4 | 1 | 0 | 9 |  |  |  |  |
| Day Total |  |  |  |  |  | 487 |  |  |  |  |
|  | AM Total : |  | 9.6\%) |  | M Hour | : $10: 45=$ | 29 (6.0\%) | Peak AM Factor : 0.725 | Average Period : | 5.1 |
|  | PM Total : |  |  |  |  |  |  | Peak PM Factor : 0.942 | Average Hour : | 20.3 |


|  | Lane \#3 Configuration |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| \# | Dir. | Information | Volume Mode | Volume Sensors |
| 3. | Southbound |  |  | Comment By 2 |


| Lane \#3 Basic Volume Data From: 00:00-02/25/2015 To: 23:59-02/26/2015 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | :00 | :15 | :30 | :45 | Total |  |  |  |  |
| 02/25/15 | 00:00 | 0 | 1 | 0 | 0 | 1 |  |  |  |  |
| Wed | 01:00 | 1 | 1 | 0 | 2 | 4 |  |  |  |  |
|  | 02:00 | 0 | 1 | 0 | 1 | 2 |  |  |  |  |
|  | 03:00 | 0 | 1 | 1 | 1 | 3 |  |  |  |  |
|  | 04:00 | 0 | 1 | 1 | 3 | 5 |  |  |  |  |
|  | 05:00 | 0 | 0 | 3 | 2 | 5 |  |  |  |  |
|  | 06:00 | 3 | 4 | 1 | 8 | 16 |  |  |  |  |
|  | 07:00 | 6 | 10 | 8 | 14 | 38 |  |  |  |  |
|  | 08:00 | 11 | 10 | 9 | 6 | 36 |  |  |  |  |
|  | 09:00 | 3 | 6 | 3 | 7 | 19 |  |  |  |  |
|  | 10:00 | 8 | 4 | 6 | 8 | 26 |  |  |  |  |
|  | 11:00 | 6 | 7 | 12 | 14 | 39 |  |  |  |  |
|  | 12:00 | 4 | 4 | 7 | 10 | 25 |  |  |  |  |
|  | 13:00 | 9 | 5 | 9 | 4 | 27 |  |  |  |  |
|  | 14:00 | 8 | 6 | 12 | 2 | 28 |  |  |  |  |
|  | 15:00 | 10 | 13 | 4 | 15 | 42 |  |  |  |  |
|  | 16:00 | 7 | 16 | 9 | 8 | 40 |  |  |  |  |
|  | 17:00 | 7 | 11 | 13 | 2 | 33 |  |  |  |  |
|  | 18:00 | 6 | 6 | 9 | 5 | 26 |  |  |  |  |
|  | 19:00 | 9 | 10 | 14 | 4 | 37 |  |  |  |  |
|  | 20:00 | 7 | 7 | 4 | 4 | 22 |  |  |  |  |
|  | 21:00 | 3 | 3 | 8 | 5 | 19 |  |  |  |  |
|  | 22:00 | 6 | 0 | 3 | 2 | 11 |  |  |  |  |
|  | 23:00 | 5 | 3 | 4 | 2 | 14 |  |  |  |  |
| Day Total |  |  |  |  |  | 518 |  |  |  |  |
|  | AM Total : |  | 37.5\%) |  | AM Hour | : 07:45 = | 44 (8.5\%) | Peak AM Factor : 0.786 | Average Period : | 5.4 |
|  | PM Total : | 324 | (62.5\%) |  | PM Hour | : 15:45 = | 47 (9.1\%) | Peak PM Factor : 0.734 | Average Hour : | 21.6 |


| Date | Time | :00 | :15 | :30 | :45 | Total |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 02/26/15 | 00:00 | 1 | 2 | 0 | 0 | 3 |  |  |  |  |
| Thu | 01:00 | 1 | 0 | 3 | 0 | 4 |  |  |  |  |
|  | 02:00 | 0 | 1 | 3 | 1 | 5 |  |  |  |  |
|  | 03:00 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |
|  | 04:00 | 1 | 1 | 0 | 2 | 4 |  |  |  |  |
|  | 05:00 | 0 | 2 | 0 | 1 | 3 |  |  |  |  |
|  | 06:00 | 2 | 3 | 7 | 5 | 17 |  |  |  |  |
|  | 07:00 | 5 | 4 | 3 | 12 | 24 |  |  |  |  |
|  | 08:00 | 10 | 3 | 4 | 8 | 25 |  |  |  |  |
|  | 09:00 | 6 | 8 | 10 | 5 | 29 |  |  |  |  |
|  | 10:00 | 5 | 6 | 12 | 4 | 27 |  |  |  |  |
|  | 11:00 | 8 | 5 | 9 | 6 | 28 |  |  |  |  |
|  | 12:00 | 9 | 5 | 8 | 9 | 31 |  |  |  |  |
|  | 13:00 | 13 | 7 | 9 | 8 | 37 |  |  |  |  |
|  | 14:00 | 8 | 8 | 6 | 8 | 30 |  |  |  |  |
|  | 15:00 | 5 | 1 | 7 | 10 | 23 |  |  |  |  |
|  | 16:00 | 13 | 16 | 15 | 12 | 56 |  |  |  |  |
|  | 17:00 | 9 | 20 | 10 | 7 | 46 |  |  |  |  |
|  | 18:00 | 11 | 10 | 13 | 10 | 44 |  |  |  |  |
|  | 19:00 | 7 | 6 | 4 | 7 | 24 |  |  |  |  |
|  | 20:00 | 6 | 10 | 5 | 6 | 27 |  |  |  |  |
|  | 21:00 | 4 | 4 | 6 | 3 | 17 |  |  |  |  |
|  | 22:00 | 5 | 3 | 5 | 4 | 17 |  |  |  |  |
|  | 23:00 | 0 | 4 | 1 | 2 | 7 |  |  |  |  |
| Day Total |  |  |  |  |  | 528 |  |  |  |  |
|  | AM Total PM Total |  | (3.0\%) | Pea | AM Ho | $\begin{aligned} & \mathrm{r}: 08: 45= \\ & \mathrm{r}: 16: 00= \end{aligned}$ | $\begin{aligned} & 32 \text { (6.1\%) } \\ & 56 \text { (10.6\%) } \end{aligned}$ | Peak AM Factor : 0.667 <br> Peak PM Factor : 0.700 | Average Period Average Hour | $\begin{array}{r} 5.5 \\ 22.0 \end{array}$ |

Grand Total For Data From: 00:00-02/25/2015 To: 23:59-02/26/2015

| Lane | Total Count | \# Of Days | ADT | Avg. Period | Avg. Hour | AM Total \& Percent | PM Total \& Percent |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#1. | 979 (48.3\%) | 2.00 | 490 | 5.1 | 20.4 | 292 (29.8\%) | 687 (70.2\%) |
| \#3. | 1046 (51.7\%) | 2.00 | 523 | 5.4 | 21.8 | 363 (34.7\%) | 683 (65.3\%) |
| ALL | 2025 | 2.00 | 1013 | 10.5 | 42.2 | 655 (32.3\%) | 1370 (67.7\%) |


| Lane | Peak AM Hour | Date | Peak AM Factor | Peak PM Hour | Date | Peak PM Factor |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \#1. | $11: 00=$ | 30 | $02 / 25 / 2015$ | 0.833 | $16: 45=$ | 49 | $02 / 26 / 2015$ |
| \#3. | $07: 45=$ | 44 | $02 / 25 / 2015$ | 0.786 | 0.942 |  |  |

## Basic Volume Report: Lafayette Dr-North Location

Station ID : Lafayette Dr - North Location
Info Line 1 : North of Comanche Rd
Info Line 2 : Albuquerque
GPS Lat/Lon:
DB File : NORTH.DB

Last Connected Device Type : Apollo
Version Number: 1.51
Serial Number: 14404
Number of Lanes : 1
Posted Speed Limit :

| Lane \#1 Configuration |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| \# Dir. Information | Volume Mode | Volume Sensors | Divide By 2 | Comment |
| 1. Northbound |  |  |  |  |


| Lane \#1 Basic Volume Data From: 00:00-02/25/2015 To: 23:59-02/26/2015 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | :00 | :15 | :30 | :45 | Total |  |  |  |  |
| 02/25/15 | 00:00 | 1 | 0 | 2 | 0 | 3 |  |  |  |  |
| Wed | 01:00 | 0 | 0 | 0 | 1 | 1 |  |  |  |  |
|  | 02:00 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |
|  | 03:00 | 0 | 1 | 0 | 0 | 1 |  |  |  |  |
|  | 04:00 | 1 | 0 | 1 | 1 | 3 |  |  |  |  |
|  | 05:00 | 0 | 0 | 2 | 1 | 3 |  |  |  |  |
|  | 06:00 | 0 | 3 | 1 | 2 | 6 |  |  |  |  |
|  | 07:00 | 4 | 6 | 7 | 6 | 23 |  |  |  |  |
|  | 08:00 | 4 | 7 | 7 | 3 | 21 |  |  |  |  |
|  | 09:00 | 4 | 4 | 2 | 8 | 18 |  |  |  |  |
|  | 10:00 | 5 | 6 | 3 | 3 | 17 |  |  |  |  |
|  | 11:00 | 5 | 7 | 5 | 9 | 26 |  |  |  |  |
|  | 12:00 | 8 | 1 | 10 | 6 | 25 |  |  |  |  |
|  | 13:00 | 7 | 7 | 9 | 7 | 30 |  |  |  |  |
|  | 14:00 | 4 | 9 | 10 | 6 | 29 |  |  |  |  |
|  | 15:00 | 7 | 9 | 3 | 9 | 28 |  |  |  |  |
|  | 16:00 | 4 | 11 | 7 | 9 | 31 |  |  |  |  |
|  | 17:00 | 5 | 9 | 4 | 6 | 24 |  |  |  |  |
|  | 18:00 | 6 | 8 | 6 | 7 | 27 |  |  |  |  |
|  | 19:00 | 5 | 5 | 6 | 9 | 25 |  |  |  |  |
|  | 20:00 | 7 | 2 | 4 | 5 | 18 |  |  |  |  |
|  | 21:00 | 5 | 5 | 4 | 7 | 21 |  |  |  |  |
|  | 22:00 | 1 | 1 | 4 | 3 | 9 |  |  |  |  |
|  | 23:00 | 2 | 0 | 5 | 4 | 11 |  |  |  |  |
| Day Total |  |  |  |  |  | 400 |  |  |  |  |
|  | AM Total : |  | (30.5\%) |  | AM Hour | : 11:00 = | 26 (6.5\%) | Peak AM Factor : 0.722 | Average Period : | 4.2 |
|  | PM Total : |  |  |  | PM Hour | : $14: 15=$ | 32 (8.0\%) | Peak PM Factor : 0.727 | Average Hour : | 16.7 |



|  | Lane \#3 Configuration |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| \# | Dir. | Information | Volume Mode | Volume Sensors |
| 3. | Southbound |  |  | Comment By 2 |


| Lane \#3 Basic Volume Data From: 00:00-02/25/2015 To: 23:59-02/26/2015 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | :00 | :15 | :30 | :45 | Total |  |  |  |  |
| 02/25/15 | 00:00 | 0 | 1 | 0 | 0 | 1 |  |  |  |  |
| Wed | 01:00 | 0 | 1 | 0 | 1 | 2 |  |  |  |  |
|  | 02:00 | 0 | 1 | 0 | 1 | 2 |  |  |  |  |
|  | 03:00 | 0 | 1 | 1 | 0 | 2 |  |  |  |  |
|  | 04:00 | 0 | 0 | 1 | 3 | 4 |  |  |  |  |
|  | 05:00 | 0 | 0 | 1 | 1 | 2 |  |  |  |  |
|  | 06:00 | 1 | 3 | 0 | 4 | 8 |  |  |  |  |
|  | 07:00 | 4 | 5 | 3 | 6 | 18 |  |  |  |  |
|  | 08:00 | 7 | 11 | 5 | 5 | 28 |  |  |  |  |
|  | 09:00 | 3 | 5 | 2 | 5 | 15 |  |  |  |  |
|  | 10:00 | 6 | 4 | 5 | 5 | 20 |  |  |  |  |
|  | 11:00 | 7 | 5 | 5 | 11 | 28 |  |  |  |  |
|  | 12:00 | 8 | 2 | 6 | 9 | 25 |  |  |  |  |
|  | 13:00 | 7 | 4 | 10 | 4 | 25 |  |  |  |  |
|  | 14:00 | 6 | 9 | 9 | 4 | 28 |  |  |  |  |
|  | 15:00 | 10 | 14 | 4 | 14 | 42 |  |  |  |  |
|  | 16:00 | 5 | 16 | 8 | 9 | 38 |  |  |  |  |
|  | 17:00 | 7 | 10 | 11 | 0 | 28 |  |  |  |  |
|  | 18:00 | 5 | 7 | 8 | 4 | 24 |  |  |  |  |
|  | 19:00 | 10 | 8 | 6 | 5 | 29 |  |  |  |  |
|  | 20:00 | 8 | 4 | 4 | 5 | 21 |  |  |  |  |
|  | 21:00 | 6 | 3 | 6 | 6 | 21 |  |  |  |  |
|  | 22:00 | 4 | 1 | 4 | 0 | 9 |  |  |  |  |
|  | 23:00 | 4 | 2 | 5 | 2 | 13 |  |  |  |  |
| Day Total |  |  |  |  |  | 433 |  |  |  |  |
|  | AM Total : |  | (30.0\%) |  | AM Hour | : 07:45 = | 29 (6.7\%) | Peak AM Factor : 0.659 | Average Period: | 4.5 |
|  | PM Total : |  | (70.0\%) |  | PM Hour | : 15:45 = | 43 (9.9\%) | Peak PM Factor : 0.672 | Average Hour : | 18.0 |



## Basic Volume Summary: Lafayette Dr - North Location

| Grand Total For Data From: 00:00-02/25/2015 To: 23:59-02/26/2015 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane | Total Count |  | f Days | ADT | Avg. Period | Avg. Hour | AM | Total \& Percent | PM Total \& Percent |
| \#1. | 791 (47.6\%) |  | 2.00 | 396 | 4.1 | 16.5 |  | 239 (30.2\%) | 552 (69.8\%) |
| \#3. | 870 (52.4\%) |  | 2.00 | 435 | 4.5 | 18.1 |  | 248 (28.5\%) | 622 (71.5\%) |
| ALL | 1661 |  | 2.00 | 831 | 8.6 | 34.6 |  | 487 (29.3\%) | 1174 (70.7\%) |
| Lane | Peak AM Hour | Date |  | Factor | Peak | PM Hour | Date | Peak PM Fac |  |
| \#1. | 11:00 = 26 | 02/25/2015 |  |  | 16:1 | $=43$ | 02/26/2015 | 0.768 |  |
| \#3. | 07:45 = 29 | 02/25/2015 | , |  | 15:4 | $=48$ | 02/26/2015 | 0.667 |  |

## APPENDIX B

## SPEED DATA

## Special Speed Study Report: Lafayette Dr - South Location

Station ID : Lafayette Dr - South Location
Info Line 1 : North of Comanche Rd
Info Line 2 : Albuquerque
GPS Lat/Lon:
DB File : SOUTH.DB

Last Connected Device Type : Apollo
Version Number : 1.51 Serial Number:

Number of Lanes: 1 Posted Speed Limit:

## Lane \#1 Configuration

| \# | Dir. | Information | Vehicle Sensors | Sensor Spacing | Loop Length |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1. | Northbound | $\mathrm{Ax}-\mathrm{Ax}$ | 4.0 ft | 6.0 ft |  |


| Lane \#1 Special Speed Study Data From: 00:00-02/25/2015 T0: 23:59-02/26/2015 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date Time | $\begin{array}{r} \# 1 \\ 0- \\ 19.9 \end{array}$ | $\begin{aligned} & \text { \#2 } \\ & 20- \\ & 24.9 \end{aligned}$ | $\begin{aligned} & \text { \#3 } \\ & 25- \\ & 29.9 \end{aligned}$ | $\begin{gathered} \# 4 \\ 30- \\ 34.9 \end{gathered}$ | $\begin{gathered} \# 5 \\ 35- \\ 39.9 \end{gathered}$ | $\begin{aligned} & \# 6 \\ & 40- \\ & 44.9 \end{aligned}$ | $\begin{aligned} & \# 7 \\ & 45- \\ & 49.9 \end{aligned}$ | $\begin{aligned} & \text { \#8 } \\ & 50- \\ & 54.9 \end{aligned}$ | $\begin{aligned} & \text { \#9 } \\ & 55- \\ & 59.9 \end{aligned}$ | $\begin{gathered} \# 10 \\ 60- \\ 64.9 \end{gathered}$ | $\begin{gathered} \# 11 \\ 65- \\ 69.9 \end{gathered}$ | $\begin{gathered} \# 12 \\ 70- \\ 74.9 \end{gathered}$ | $\begin{gathered} \# 13 \\ 75- \\ 79.9 \end{gathered}$ | $\begin{gathered} \# 14 \\ 80- \\ 84.9 \end{gathered}$ | $\begin{gathered} \# 15 \\ 85- \\ 89.9 \end{gathered}$ | \#16 <br> Other | Total |
| 02/25/15 00:00 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Wed 01:00 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 02:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 03:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:00 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 05:00 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 06:00 | 5 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 07:00 | 12 | 4 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 08:00 | 7 | 13 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 09:00 | 7 | 6 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 10:00 | 9 | 7 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 11:00 | 5 | 12 | 10 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 12:00 | 8 | 10 | 11 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 13:00 | 10 | 4 | 10 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 14:00 | 12 | 8 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| 15:00 | 11 | 4 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 16:00 | 14 | 12 | 15 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| 17:00 | 13 | 9 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 18:00 | 17 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| 19:00 | 12 | 9 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| 20:00 | 10 | 7 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 21:00 | 5 | 9 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 22:00 | 5 | 7 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 23:00 | 11 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| Daily Total : | 179 | 144 | 122 | 41 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 492 |
| Percent : | 36\% | 29\% | 25\% | 8\% | 1\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |  |
| Cum. Percent : | 36\% | 66\% | 90\% | 99\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |  |
| Average : | 7 | 6 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
|  |  | verage | Speed | 20.2 | mph |  | \% Spe | ed : 2 | 2.4 mp |  | 67\% <br> 10 mp | Speed <br> h Pace | $\begin{aligned} & : 25.4 \\ & 20.1 \end{aligned}$ | mph $-30.0$ | $\begin{array}{r} 8 \\ (54.1 \% \end{array}$ | \% Spe | $\text { : } 28.6 \mathrm{mph}$ |


| Date Time | $\begin{array}{r} \# 1 \\ 0- \\ 19.9 \end{array}$ | $\begin{aligned} & \text { \#2 } \\ & 20- \\ & 24.9 \end{aligned}$ | $\begin{aligned} & \# 3 \\ & 25- \\ & 29.9 \end{aligned}$ | $\begin{gathered} \# 4 \\ 30- \\ 34.9 \end{gathered}$ | $\begin{gathered} \# 5 \\ 35- \\ 39.9 \end{gathered}$ | $\begin{aligned} & \# 6 \\ & 40- \\ & 44.9 \end{aligned}$ | $\begin{aligned} & \# 7 \\ & 45- \\ & 49.9 \end{aligned}$ | $\begin{aligned} & \text { \#8 } \\ & 50- \\ & 54.9 \end{aligned}$ | $\begin{aligned} & \# 9 \\ & 55- \\ & 59.9 \end{aligned}$ | $\begin{gathered} \# 10 \\ 60- \\ 64.9 \end{gathered}$ | $\begin{array}{r} \# 11 \\ 65- \\ 69.9 \end{array}$ | $\begin{gathered} \# 12 \\ 70- \\ 74.9 \end{gathered}$ | $\begin{gathered} \# 13 \\ 75- \\ 79.9 \end{gathered}$ | $\begin{gathered} \# 14 \\ 80- \\ 84.9 \end{gathered}$ | $\begin{gathered} \# 15 \\ 85- \\ 89.9 \end{gathered}$ | \#16 <br> Other | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 02/26/15 00:00 | 4 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Thu 01:00 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 02:00 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 05:00 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 06:00 | 6 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 07:00 | 7 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 08:00 | 13 | 3 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 09:00 | 12 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 10:00 | 8 | 9 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 11:00 | 13 | 8 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 12:00 | 15 | 6 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| 13:00 | 11 | 9 | 4 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 14:00 | 15 | 6 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 15:00 | 11 | 4 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 16:00 | 13 | 13 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| 17:00 | 20 | 15 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| 18:00 | 17 | 13 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 |
| 19:00 | 10 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 20:00 | 11 | 8 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 21:00 | 5 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 22:00 | 3 | 8 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 23:00 | 5 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Daily Total : | 207 | 148 | 87 | 38 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 487 |
| Percent : | 43\% | 30\% | 18\% | 8\% | 1\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |  |
| Cum. Percent: | 43\% | 73\% | 91\% | 99\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |  |
| Average : | 9 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
|  | Average Speed 19.0 mph |  |  |  |  | 50\% Speed : 21.4 mph |  |  |  |  | 67\% Speed : $23.9 \mathrm{mph} \quad 85 \%$ Speed : 28.1 mph 10mph Pace: 20.1-30.0 (48.3\%) |  |  |  |  |  |  |

## Lane \#3 Configuration




| Date | Time | \#1 | \#2 | \#3 | \#4 | \#5 | \#6 | \#7 | \#8 | \#9 | \#10 | \#11 | \#12 | \#13 | \#14 | \#15 | \#16 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 0 - | 20 - | 25 - | $30-$ | 35 - | $40-$ | 45 - | $50-$ | 55 - | 60 - | 65 - | 70 - | 75 - | 80 - | 85 - |  |  |
|  |  | 19.9 | 24.9 | 29.9 | 34.9 | 39.9 | 44.9 | 49.9 | 54.9 | 59.9 | 64.9 | 69.9 | 74.9 | 79.9 | 84.9 | 89.9 | Other | Total |

## Special Speed Study Summary: Lafayette Dr - South Locatio

| Description | $\begin{array}{r} \# 1 \\ 0- \\ 19.9 \end{array}$ | $\begin{aligned} & \# 2 \\ & 20- \\ & 24.9 \end{aligned}$ | \#3 <br> 25 - <br> 29.9 | $\begin{gathered} \# 4 \\ 30- \\ 34.9 \end{gathered}$ | $\begin{gathered} \# 5 \\ 35- \\ 39.9 \end{gathered}$ | $\begin{aligned} & \# 6 \\ & 40- \\ & 44.9 \end{aligned}$ | $\begin{aligned} & \# 7 \\ & 45- \\ & 49.9 \end{aligned}$ | $\begin{gathered} \# 8 \\ 50- \\ 54.9 \end{gathered}$ | $\begin{gathered} \# 9 \\ 55- \\ 59.9 \end{gathered}$ | $\begin{gathered} \# 10 \\ 60- \\ 64.9 \end{gathered}$ | \#11 65 69.9 | $\begin{gathered} \# 12 \\ 70- \\ 74.9 \end{gathered}$ | \#13 <br> 75 - <br> 79.9 | \#14 <br> 80- <br> 84.9 | \#15 <br> 85- <br> 89.9 | \#16 <br> Other | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grand Total \#1: | 386 | 292 | 209 | 79 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 979 |
| Percent : | 39\% | 30\% | 21\% | 8\% | 1\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |  |
| Cum. Percent: | 39\% | 69\% | 91\% | 99\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |  |
| Average : | 8 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| ADT $=489$ | Average Speed |  |  | 19.6 mph |  | 50\% Speed : 21.9 mph |  |  |  |  | 67\% Speed : 24.5 mph <br> 10mph Pace: 20.1-30.0 (51.3\%) |  |  |  |  | 85\% Speed : 28.5 mph \%) |  |
| Grand Total \#3: | 435 | 344 | 200 | 52 | 13 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1046 |
| Percent : | 42\% | 33\% | 19\% | 5\% | 1\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |  |
| Cum. Percent: | 42\% | 74\% | 94\% | 99\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |  |
| Average : | 9 | 7 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| ADT $=523$ | Average Speed |  |  | 19.0 mph |  | 50\% Speed : 21.4 mph |  |  |  |  | 67\% Speed : $23.8 \mathrm{mph} \quad 85 \%$ Speed : 27.7 mph 10mph Pace: 19.9-29.8 (52.1\%) |  |  |  |  |  |  |
| Comb. Total : | 821 | 636 | 409 | 131 | 25 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2025 |
| Percent : | 41\% | 31\% | 20\% | 6\% | 1\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |  |
| Cum. Percent: | 41\% | 72\% | 92\% | 99\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |  |
| Average : | 17 | 13 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| ADT = 1012 | Average Speed |  |  | 19.3 mph |  | 50\% Speed : 21.6 mph |  |  |  |  | 67\% Speed : 24.2 mph $85 \%$ Speed : 28.1 mph 10mph Pace: 20.1-30.0 (51.7\%) |  |  |  |  |  |  |

Speed Percent vs. Time (all lanes)



## Special Speed Study Report: Lafayette Dr - North Location

Station ID : Lafayette Dr - North Location
Info Line 1 : North of Comanche Rd
Info Line 2 : Albuquerque
GPS Lat/Lon:
DB File : NORTH.DB

Last Connected Device Type : Apollo
Version Number: 1.51 Serial Number: 14404

Number of Lanes: 1 Posted Speed Limit :

## Lane \#1 Configuration

| \# | Dir. | Information | Vehicle Sensors | Sensor Spacing | Loop Length |
| :--- | :--- | :--- | :---: | :---: | :---: |
| 1. | Northbound | Ax-Ax | 4.0 ft | 6.0 ft |  |


| Lane \#1 Special Speed Study Data From: 00:00-02/25/2015 To: 23:59-02/26/2015 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date Time | $\begin{array}{r} \# 1 \\ 0- \\ 19.9 \end{array}$ | $\begin{aligned} & \# 2 \\ & 20- \\ & 24.9 \end{aligned}$ | $\begin{aligned} & \# 3 \\ & 25- \\ & 29.9 \end{aligned}$ | $\begin{gathered} \# 4 \\ 30- \\ 34.9 \end{gathered}$ | $\begin{gathered} \# 5 \\ 35- \\ 39.9 \end{gathered}$ | $\begin{aligned} & \# 6 \\ & 40- \\ & 44.9 \end{aligned}$ | $\begin{aligned} & \# 7 \\ & 45- \\ & 49.9 \end{aligned}$ | $\begin{gathered} \# 8 \\ 50- \\ 54.9 \end{gathered}$ | $\begin{aligned} & \# 9 \\ & 55- \\ & 59.9 \end{aligned}$ | $\begin{gathered} \# 10 \\ 60- \\ 64.9 \end{gathered}$ | $\begin{gathered} \# 11 \\ 65- \\ 69.9 \end{gathered}$ | $\begin{gathered} \# 12 \\ 70- \\ 74.9 \end{gathered}$ | $\begin{gathered} \# 13 \\ 75- \\ 79.9 \end{gathered}$ | $\begin{gathered} \# 14 \\ 80- \\ 84.9 \end{gathered}$ | $\begin{gathered} \# 15 \\ 85- \\ 89.9 \end{gathered}$ | \#16 <br> Other | Total |
| 02/25/15 00:00 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Wed 01:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:00 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 05:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 06:00 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 07:00 | 11 | 7 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 08:00 | 10 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 09:00 | 8 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 10:00 | 5 | 7 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 11:00 | 9 | 9 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 12:00 | 7 | 12 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 13:00 | 11 | 9 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 14:00 | 17 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| 15:00 | 11 | 11 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 16:00 | 13 | 12 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 17:00 | 7 | 10 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 18:00 | 5 | 11 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 19:00 | 12 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 20:00 | 5 | 7 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 21:00 | 7 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 22:00 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 23:00 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Daily Total : | 156 | 149 | 68 | 23 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 400 |
| Percent : | 39\% | 37\% | 17\% | 6\% | 1\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |  |
| Cum. Percent: | 39\% | 76\% | 93\% | 99\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |  |
| Average : | 7 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
|  |  | verage | Speed | 19.2 | mph |  | 0\% Sp | ed : 2 | 1.6 mp |  | 67\% <br> 10 mp | Speed <br> h Pace | $\begin{aligned} & : 23.7 \\ & : 20.1 \end{aligned}$ | $\begin{aligned} & \text { mph } \\ & -30.0 \end{aligned}$ | $\begin{array}{r} 8 \\ (54.3 \% \end{array}$ | 5\% Sp ) | $\text { : } 27.6 \mathrm{mph}$ |


| Date Time | $\begin{array}{r} \# 1 \\ 0- \\ 19.9 \end{array}$ | $\begin{aligned} & \text { \#2 } \\ & 20- \\ & 24.9 \end{aligned}$ | $\begin{aligned} & \# 3 \\ & 25- \\ & 29.9 \end{aligned}$ | $\begin{gathered} \# 4 \\ 30- \\ 34.9 \end{gathered}$ | $\begin{gathered} \# 5 \\ 35- \\ 39.9 \end{gathered}$ | $\begin{aligned} & \# 6 \\ & 40- \\ & 44.9 \end{aligned}$ | $\begin{aligned} & \# 7 \\ & 45- \\ & 49.9 \end{aligned}$ | $\begin{aligned} & \text { \#8 } \\ & 50- \\ & 54.9 \end{aligned}$ | $\begin{aligned} & \# 9 \\ & 55- \\ & 59.9 \end{aligned}$ | $\begin{gathered} \# 10 \\ 60- \\ 64.9 \end{gathered}$ | $\begin{array}{r} \# 11 \\ 65- \\ 69.9 \end{array}$ | $\begin{gathered} \# 12 \\ 70- \\ 74.9 \end{gathered}$ | $\begin{gathered} \# 13 \\ 75- \\ 79.9 \end{gathered}$ | $\begin{gathered} \# 14 \\ 80- \\ 84.9 \end{gathered}$ | $\begin{gathered} \# 15 \\ 85- \\ 89.9 \end{gathered}$ | \#16 <br> Other | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 02/26/15 00:00 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Thu 01:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 02:00 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 06:00 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 07:00 | 6 | 4 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 08:00 | 8 | 9 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 09:00 | 8 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 10:00 | 8 | 8 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 11:00 | 7 | 4 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 12:00 | 8 | 11 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 13:00 | 9 | 9 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 14:00 | 17 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 15:00 | 6 | 7 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 16:00 | 17 | 13 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| 17:00 | 16 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| 18:00 | 10 | 14 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| 19:00 | 8 | 15 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 20:00 | 5 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 21:00 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 22:00 | 6 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 23:00 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Daily Total : | 157 | 138 | 72 | 20 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 391 |
| Percent : | 40\% | 35\% | 18\% | 5\% | 1\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |  |
| Cum. Percent: | 40\% | 75\% | 94\% | 99\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |  |
| Average : | 7 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
|  | Average Speed 19.0 mph |  |  |  |  | 50\% Speed : 21.6 mph |  |  |  |  | 67\% Speed : $23.6 \mathrm{mph} \quad 85 \%$ Speed : 27.6 mph 10mph Pace: 20.1-30.0 (53.7\%) |  |  |  |  |  |  |

## Lane \#3 Configuration



| Date Time | $\begin{array}{r} \# 1 \\ 0- \\ 19.9 \end{array}$ | $\begin{aligned} & \text { \#2 } \\ & 20- \\ & 24.9 \end{aligned}$ | $\begin{aligned} & \# 3 \\ & 25- \\ & 29.9 \end{aligned}$ | $\begin{gathered} \# 4 \\ 30- \\ 34.9 \end{gathered}$ | $\begin{gathered} \# 5 \\ 35- \\ 39.9 \end{gathered}$ | $\begin{aligned} & \# 6 \\ & 40- \\ & 44.9 \end{aligned}$ | $\begin{aligned} & \# 7 \\ & 45- \\ & 49.9 \end{aligned}$ | $\begin{aligned} & \text { \#8 } \\ & 50- \\ & 54.9 \end{aligned}$ | $\begin{aligned} & \# 9 \\ & 55- \\ & 59.9 \end{aligned}$ | $\begin{gathered} \# 10 \\ 60- \\ 64.9 \end{gathered}$ | $\begin{array}{r} \# 11 \\ 65- \\ 69.9 \end{array}$ | $\begin{gathered} \# 12 \\ 70- \\ 74.9 \end{gathered}$ | $\begin{gathered} \# 13 \\ 75- \\ 79.9 \end{gathered}$ | $\begin{gathered} \# 14 \\ 80- \\ 84.9 \end{gathered}$ | $\begin{gathered} \# 15 \\ 85- \\ 89.9 \end{gathered}$ | \#16 <br> Other | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 02/26/15 00:00 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Thu 01:00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 02:00 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 05:00 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 06:00 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 07:00 | 10 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 08:00 | 9 | 7 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 09:00 | 7 | 5 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 10:00 | 7 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 11:00 | 10 | 7 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 12:00 | 16 | 3 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 13:00 | 16 | 11 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 14:00 | 11 | 10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 15:00 | 13 | 8 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 16:00 | 20 | 14 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| 17:00 | 20 | 15 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| 18:00 | 15 | 20 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| 19:00 | 9 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 20:00 | 14 | 13 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 21:00 | 4 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 22:00 | 10 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 23:00 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Daily Total : | 206 | 147 | 66 | 13 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 437 |
| Percent : | 47\% | 34\% | 15\% | 3\% | 1\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |  |
| Cum. Percent: | 47\% | 81\% | 96\% | 99\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |  |
| Average : | 9 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
|  | Average Speed 17.8 mph |  |  |  |  | 50\% Speed : 20.6 mph |  |  |  |  | 67\% Speed : $22.9 \mathrm{mph} \quad 85 \%$ Speed : 26.6 mph 10mph Pace: 20.1-30.0 (48.7\%) |  |  |  |  |  |  |


|  |  | $\# 1$ | $\# 2$ | $\# 3$ | $\# 4$ | $\# 5$ | $\# 6$ | $\# 7$ | $\# 8$ | $\# 9$ | $\# 10$ | $\# 11$ | $\# 12$ | $\# 13$ | $\# 14$ | $\# 15$ | $\# 16$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0 | $0-$ | $20-$ | $25-$ | $30-$ | $35-$ | $40-$ | $45-$ | $50-$ | $55-$ | $60-$ | $65-$ | $70-$ | $75-$ | $80-$ | $85-$ |  |  |
| Date $\quad$ Time | 19.9 | 24.9 | 29.9 | 34.9 | 39.9 | 44.9 | 49.9 | 54.9 | 59.9 | 64.9 | 69.9 | 74.9 | 79.9 | 84.9 | 89.9 | Other | Total |  |

## Special Speed Study Summary: Lafayette Dr - North Locatio.



Speed Percent vs. Time (all lanes)



## APPENDIX C

## U.S. LIMITS OUTPUT DATA

## USLIMITS2 Data Output

## Road Section in Developed Area

## Basic Project Information

```
User Name - EHawton
Project Name - Lafayette Drive Speed Study
Project Number - 7852.07
Project Date - 03-27-2015
State - New Mexico
County - Bernalillo County
City - Albuquerque city
Route Type - Road Section in Developed Area
Route Name - Lafayette Drive
Termini From - Comanche Road
Termini To - Delamar Avenue
Route Status - Existing
Description - Speed study of Lafayette Drive from COmanche Road to Delamar Avenue
```


## Roadway Information

85th Percentile Speed - 23 mph
50th Percentile Speed - 18 mph
Section Length - 0.2 mile(s)
Statutory Speed Limit - 25 mile(s)
AADT - 900
Adverse Alignment - No
One-Way Street - no
Divided/Undivided - Undivided
Number of Through Lanes - 2
Area Type - Residential-Subdivision
Number of Driveways - 23
Number of Signals - 0
On Street Parking and Usage - High
Pedestrian / Bicyclist Activity - Not High

Recommended Speed Limit: 20

Note: Crash data were not entered for this project. A comprehensive crash study is a critical component of any traffic engineering study. We suggest that you repeat this process when crash data become available.

