

SPEED LIMIT STUDY

ELDRON BLVD NE & SE

FROM AMERICANA BLVD NE TO BAYSIDE LAKES BLVD



Engineering and Traffic Investigation Conducted by:

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September 2, 2010

Signed: _____
John G. Rodgers, P.E.

PE No.: _____

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

TABLE OF CONTENTS

EXECUTIVE SUMMARY.....	3
ESTABLISHING SPEED LIMITS	5
FIELD CONDITIONS.....	5
CRASH ANALYSIS	7
SPEED DATA	8
RECOMMENDATION	11
APPENDIX A – Map of Speed Study Segment and Traffic Counter Locations and Pictures of Eldron Boulevard NE and SE (Typical)	13
APPENDIX B – Establishing Speed Limits Policy (Council Approved 1/8/09)	16
APPENDIX C – Speed Statistics.....	20
APPENDIX D – Data Curves.....	45
APPENDIX E – FDOT Table 4-1 – Average Daily Volumes.....	58
APPENDIX F – Crash Record Summary.....	60

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

EXECUTIVE SUMMARY

The objective of this study is to evaluate the speed limit on Eldron Boulevard NE & SE in Palm Bay, Florida. The roadway starts at Americana Boulevard NE and continues approximately 4.4 miles south to Bayside Lakes Boulevard.

The study is based upon the City Council adopted policy (January 8, 2009) where qualified City staff performs an engineering and traffic investigation and presents the recommendation to the City Council for final action. The investigation includes analyzing field conditions, speed data, crash reports, and other factors that may affect the speed of vehicles.

The current speed limit on Eldron Boulevard NE and SE varies between 30 miles per hour (MPH) and 40 MPH. Based on the engineering investigation, it is recommended that the speed limits for Eldron Boulevard NE and SE be as shown in the table below. The curve warning signs with the appropriate advisory speeds are also shown in the table.

Speed Limit Segments		Existing Speed Limit (MPH)	Recommended Speed Limit (MPH)
From	To		
Americana Boulevard NE	Cycle Street NE	30	35 W1-1a* signs (25 MPH) at curve
Cycle Street NE	Malabar Road	30	40
Malabar Road	Jupiter Boulevard SE	30	35 W1-3** signs (25 MPH) at curve
Jupiter Boulevard SE	Raleigh Road SE	40	40
Raleigh Road SE	Bayside Lakes Boulevard	30	35 W1-2 signs at curves

*Note – W1-1a sign is the Turn Warning Sign with the advisory speed

**Note – W1-3 sign is the Reverse Turn Warning Sign

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Below is a map of the roadway segment showing the locations of the recommended speed limits and the location of the curve warning signs required.



- Legend**
- 35 MPH
 - 40 MPH

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

ESTABLISHING SPEED LIMITS

In Florida, speed limits are set by Florida Statutes, Chapter 316, which deals with the “State Uniform Traffic Control”. Per the Florida State Statutes, Chapter 316.189, municipalities may alter the speed limit from 30 MPH after an investigation determines such a change is reasonable and in conformity with the criteria established by the Florida Department of Transportation (FDOT). The criterion is found in the “Speed Zoning for Highways, Roads, and Streets in Florida” manual (FDOT Manual Number 750-010-002).

The investigation includes analyzing field conditions, speed data, crash reports, and other factors that may affect the speed of vehicles.

The City of Palm Bay Council adopted the policy of “Establishing Speed Zones/Limits” on January 8, 2009 (See [Appendix B](#)). The policy provides a consistent technical review and Council action to establish speed limits on City-owned collector and arterial roadways. Per the policy, City staff evaluates the speed limits on City-owned collector and arterial roadways within the City and submits the recommendation to the City Council for final action.

This speed limit study is for Eldron Boulevard NE and SE between Americana Boulevard NE and Bayside Lakes Boulevard.

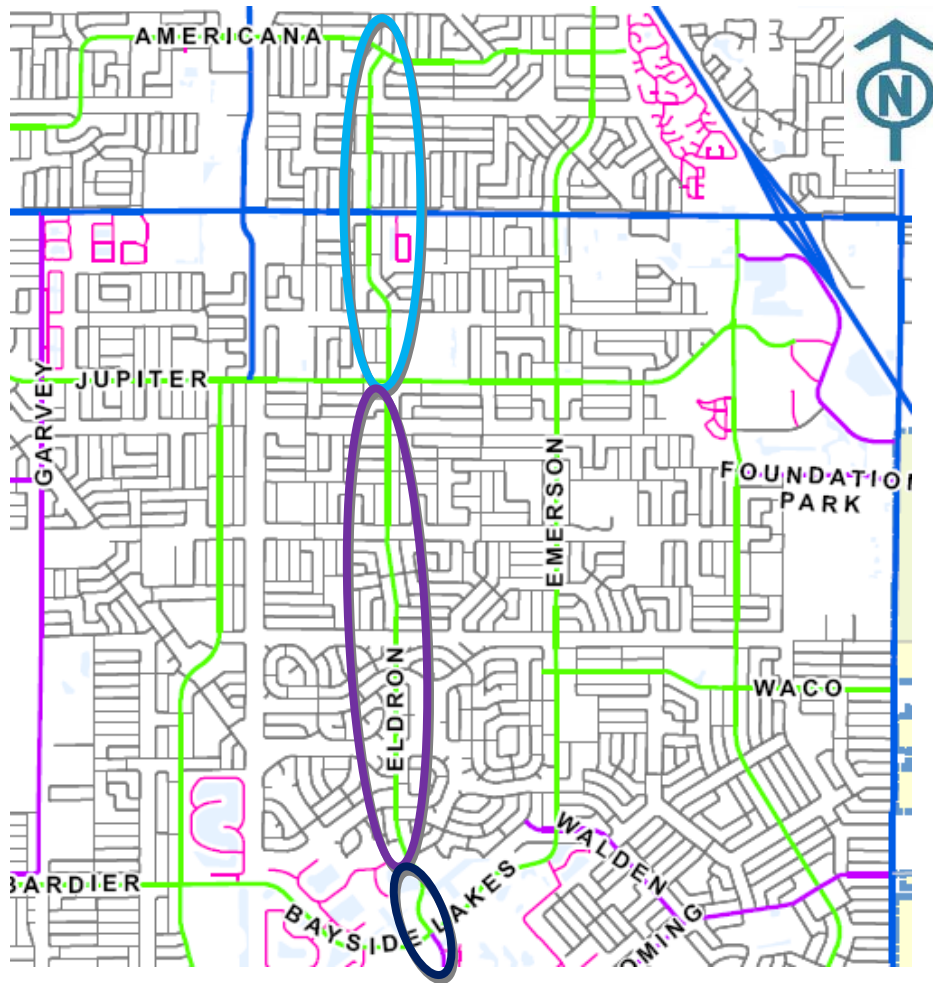
FIELD CONDITIONS

Eldron Boulevard NE and SE is a collector road identified in the City of Palm Bay comprehensive plan. It runs north-south in the central part of Palm Bay, and is between Americana Boulevard NE and Bayside Lakes Boulevard.

The location of the sidewalk(s) and swales varied along this roadway, so it was separated in three segments that had similar cross sections. The three segments are from Americana Boulevard NE to Jupiter Boulevard, from Jupiter Boulevard to Raleigh Road, and from Raleigh Road to Bayside Lakes Boulevard. The map below shows the three segments, respectively.

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard



The portion between Americana Boulevard NE and Jupiter Boulevard (light blue circle on the map above) is approximately 1.7 miles and is a 2-lane undivided roadway with no shoulder. There is an 8-foot wide sidewalk on the west side of the road that is approximately 6 feet off the edge of pavement (EOP). The drainage consists of 1-foot deep roadside swales that run parallel to both sides of the roadway. The swales are located approximately 23 feet from the EOP to the centerline (CL) of the swale, and the average pavement width is 24 feet wide.

The portion between Jupiter Boulevard and Raleigh Road (purple circle on the map above) is approximately 2.3 miles and is a 2-lane undivided roadway with no shoulder. There is an 8-foot wide sidewalk on the east side of the road that is approximately 8 feet off the EOP. The drainage consists of approximately 1-foot deep roadside swales that run parallel to both sides of the roadway. The swales are located approximately 22 feet from the EOP to the centerline (CL) of the swale, and the average pavement width is approximately 24 feet wide.

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

The portion between Raleigh Road and Bayside Lakes Boulevard (navy circle on the map above) is approximately 0.4 miles and is a 2-lane roadway with no shoulder and curb and gutter for drainage. The pavement width varies in this area due to some turn lanes. There is a 5-foot wide sidewalk located approximately 12 feet off the back of curb (BOC) on the west side and a 6-foot sidewalk located approximately 5 feet off the BOC on the east side.

This area is densely populated with single family homes, an elementary school, a middle school, a charter school, and commercial property at various locations, mostly at the signalized intersections. A school zone exists north and south of Jupiter Boulevard SE.

Eldron Boulevard NE and SE have curves at a few locations. Curve data was gathered from the plat to determine the radius of the curves at the centerline of the right-of-way. The curve on the north end of the roadway, near Americana Boulevard NE, has a radius of 440 feet. The reverse (“S”) curve between Malabar Road and Jupiter Boulevard SE has radii of 400 feet with a tangent distance between the curves of approximately 458 feet. The “S” curve between Raleigh Road and Bayside Lakes Boulevard are two curves adjacent to each other with radii of 800 feet and 650 feet.

See [Appendix A](#) for typical pictures of the roadway. The existing speed limit on this roadway varies from 30 MPH to 40 MPH.

CRASH ANALYSIS

Crash data was acquired from the City of Palm Bay Police Department from January 2009 to July 2010. This data revealed 38 reported crashes along this roadway. See the table below for the breakdown on types of crashes reported.

As shown in the table below, the crash near the Dolphin Street SE intersection identified as an “Out of Control” crash occurred at 6:06 AM on Wednesday, April 21, 2010. The police report indicated that the individual was traveling too fast around the curve causing the vehicle to run off the road. No other vehicles were involved and the vehicle left prior to the officer arriving to the scene.

Also shown in the table below, the crash near Cocoa Street SE intersection identified as an “Out of Control” crash occurred at 5:59 PM on Saturday, May 9, 2009. The driver wrote a statement and claimed the tire blew out and she lost control of the vehicle.

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

INTERSECTING STREET	TOTAL	TYPE OF CRASH						
		Rear End	Right Turn	Left Turn	Side Swipe	Angle	Out of Control	Other
MALABAR	3	1			1			1
DOLPHIN	1						1	
BUZBY	1	1						
JUPITER	4	3	1					
BALI	2	2						
BLUEFIELDS	2	2						
BRICKELL	2			1	1			
COCOA	2					1	1	
BRANTLEY	2	2						
COLLINGS	1	1						
ORTEGA	1	1						
BREAKWATER	1					1		
VIN ROSE	1					1		
ABELLO	2	2						
DAVIDSON	2	2						
ARANGO	1					1		
BAYSIDE LAKES	2	1				1		
MISC STREETS	6	3						3
MISC ADDRESSES	2			1		1		
Totals	38	21	1	2	2	6	2	3

Out of the 38 crashes reported during this time period, 21 of the crashes were rear end crashes. The majority of the rear end crashes were due to careless driving and driver distractions.

After careful review of the crash records, it can be concluded that the crash history does not have an effect on the speed limit.

SPEED DATA

Speed data was collected April 28, 2010 through May 12, 2010 by using roadway tubes at six locations along this roadway segment. See [Appendix A](#) for a map showing the locations and [Appendix C](#) for the speed statistics taken from the roadway tubes. The tubes collected data such as the speed of vehicles and the number of vehicles that traveled Eldron Boulevard NE and SE during the time of data collection.

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Average Daily Traffic (ADT) for the roadway is shown in the table below in units of vehicles per day (VPD):

Segment		Adopted LOS	Capacity (Daily)	ADT	LOS
From	To				
Americana Boulevard	Malabar Road	C	9,100	1,858	C
Malabar Road	Jupiter Boulevard SE	C	9,100	5,017	C
Jupiter Boulevard SE	Breakwater Street SE	C	9,100	9,270	D
Breakwater Street SE	Raleigh Road SE	C	9,100	7,142	C
Raleigh Road SE	Bayside Lakes Boulevard	C	9,100	5,992	C

As shown in the table above, the roadway level of service (LOS) C is adopted in the City's Comprehensive Plan. However, based on "Table 4-1 Generalized Annual Average Daily Volumes for Florida's Urbanized Areas" published by the Florida Department of Transportation (FDOT) ([Appendix E](#)), the daily capacity for this type of roadway at LOS C is 9,100 VPD. The segment between Jupiter Boulevard SE and Breakwater Street SE exceeded the LOS C by 120 VPD, so it is designated as a LOS D.

The 85th percentile criterion was used for establishing the baseline for the proposed speed, and then other factors, such as the field and site conditions, were considered. The 85th percentile speed is the speed at or below which 85 percent of the observed vehicles are traveling.

The 85th percentile speed is then compared to the existing speed limit and the geometric design speed. The geometric design speed for the straight portion is greater than 50 MPH since the roadway vertical alignment is flat.

The plats were used to gather the roadway alignment design parameters for the curves. The geometric design speed for the curves was then back calculated by using the laws of vehicle dynamics, assuming no superelevation, and using a friction factor of 0.16.

After the design speeds were calculated, the speeds were verified in the field with the ball bank indicator test per the guidelines of the FDOT Manual on Uniform Traffic Studies, Chapter 11. Readings of 12 degrees for speeds 25 MPH through 30 MPH are usually accepted limits beyond which riding discomfort will be excessive and loss of vehicle control may occur. Below is a table that shows the location of the curves, the radii of the curves taken from the plat, the design speeds, and the average speeds obtained with the ball bank indicator test having readings of 12 degrees or less. The last column is the sign required per the Manual on Uniform Traffic Control Devices (MUTCD).

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Location of Curve	Radius (ft)	Design Speed (MPH)	Ball Bank Indicator Test Speed (MPH)	Required Sign Per MUTCD
Just south of Americana Blvd NE	440	30	25	W1-1a (25)
Between Malabar Rd & Jupiter Blvd	400	30	25	W1-3 (25)
Between Raleigh Rd & Bayside Lakes Blvd	650 (Smallest)	40	N/A	W1-2

It should be noted that the curves located between Malabar Road and Jupiter Boulevard are reverse curves with a tangent distance of about 458 feet between the curves. Per the MUTCD, Turn Warning (W1-1) signs are required when the advisory speed is 30 MPH or less and Reverse Turn Warning (W1-3) signs are required when the tangent distance between the curves is less than 600 feet. Also, the curves between Raleigh Road and Bayside Lakes Boulevard had different radii, so the smallest radius (650 feet) was used for the design speed calculation.

Using the 85th percentile criterion, the baseline speed limits varied between 35 MPH and 45 MPH. However, the goal of the study is to provide consistent speed limits on collector roadways, while also providing safe travel for vehicles and pedestrians. See the table below for the speed data.

Speed Data Collection Locations		Existing Speed Limit (MPH)	Geometric Design Speed (MPH)	85th Percentile Speed (MPH)		Speed Limit Based on 85 th Percentile
From	To			NB	SB	Combined
Americana Boulevard NE	Malabar Road	30	>50	39.4	37.8	40
Malabar Road	Jupiter Boulevard	30	>50	36.7	43.4*	35**
Jupiter Boulevard	Breakwater Street	40	>50	42.7	45.0	40***
Breakwater Street	Raleigh Road	40	>50	45.9	38.7	40**
Raleigh Road	Bayside Lakes Boulevard	30	40	36.2	34.9	35

*Note: Although the 85th percentile was traveling 43.4 MPH in the southbound direction, vehicles would need to slow down to travel safely around the "S" curve.

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

****Note:** For the roadway segments that had different 85th percentile speeds between the northbound and southbound directions, it is recommended to use the lower of the two speeds

*******Due to the highly residential area, field and site conditions, and engineering judgment, 45 MPH is not recommended. The highest speed limit recommended would be 40 MPH.

Engineering judgment was used for the north portion of the roadway near the Americana Boulevard NE intersection. The speed limit for that portion should be set at 35 MPH due to the location of the curve and the short distance (less end of 500 feet) from the stop sign at the Americana Boulevard NE intersection.

RECOMMENDATION

In summary, based upon the analysis of field conditions, crash records, and speed data, it is recommended to increase the speed limits on Eldron Boulevard NE and SE between Americana Boulevard NE and Bayside Lakes Boulevard in accordance with the table below.

Speed Limit Segments		Existing Speed Limit (MPH)	Recommended Speed Limit (MPH)
From	To		
Americana Boulevard NE	Cycle Street NE	30	35 W1-1a* signs (25 MPH) at curve
Cycle Street NE	Malabar Road	30	40
Malabar Road	Jupiter Boulevard SE	30	35 W1-3** signs (25 MPH) at curve
Jupiter Boulevard SE	Raleigh Road SE	40	40
Raleigh Road SE	Bayside Lakes Boulevard	30	35 W1-2 signs at curves

The speed data collected showed the 85th percentile speeds to be between 34.9 MPH and 45.9 MPH; however, it is not recommended to set the speed limit higher than 40 MPH due to the densely populated residential neighborhoods surrounding the roadway.

Speed Limit Study

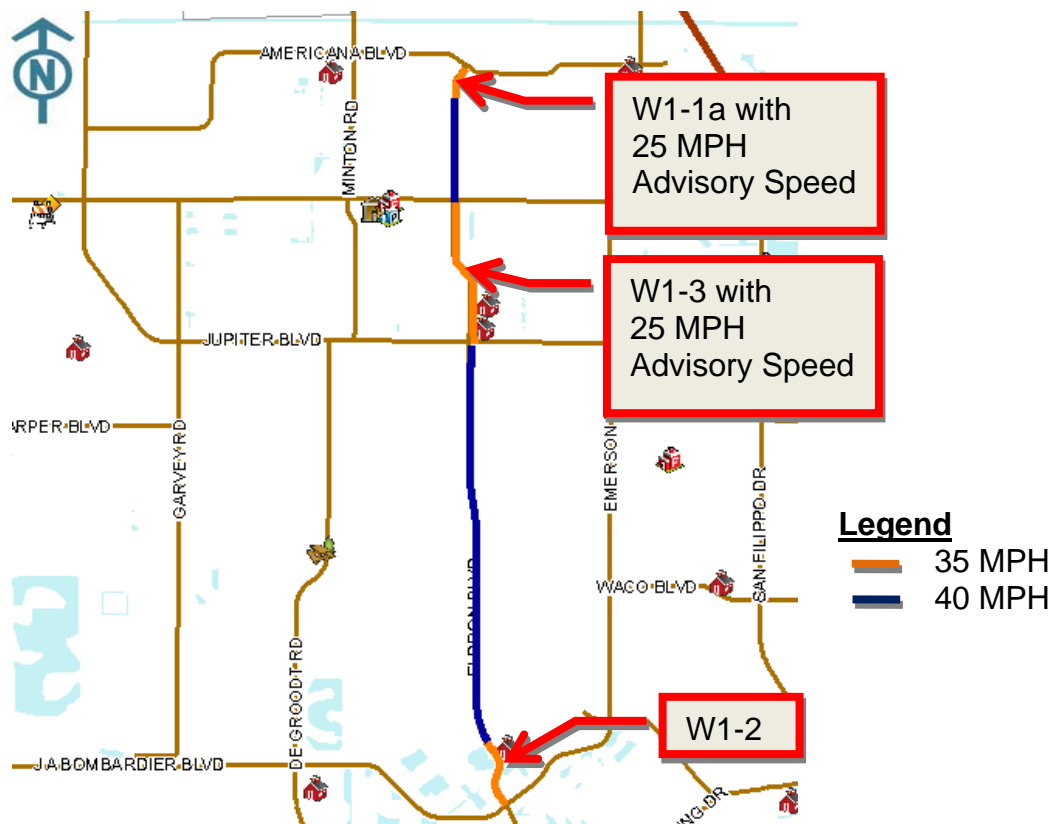
Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

It should be noted that there is a horizontal curve between Americana Boulevard NE and Cycle Street NE that requires a curve warning sign with an advisory speed of 25 MPH. Also, due to the proximity of the curve to the Americana Boulevard NE intersection and engineering judgment, it is recommended to set the speed limit for that segment to 35 MPH. The distance from the curve to the stop sign at the Americana Boulevard NE intersection is less than 500 feet.

The reverse curve between Malabar Road and Jupiter Boulevard SE requires a reverse turn sign with an advisory speed of 25 MPH.

The adopted LOS for collector roads in the City is C according to the City's Comprehensive Plan. However, the segment between Breakwater Street NE and Jupiter Boulevard is LOS D with 9,270 vehicles per day, or approximately 2 % over the limit for LOS C.

See the map below for the recommended speed limits for the various segments. The blue line indicates 40 MPH and the orange line indicate 35 MPH. The location of the curve warning signs and their respective advisory speeds are shown on the map as well.



Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

APPENDIX A

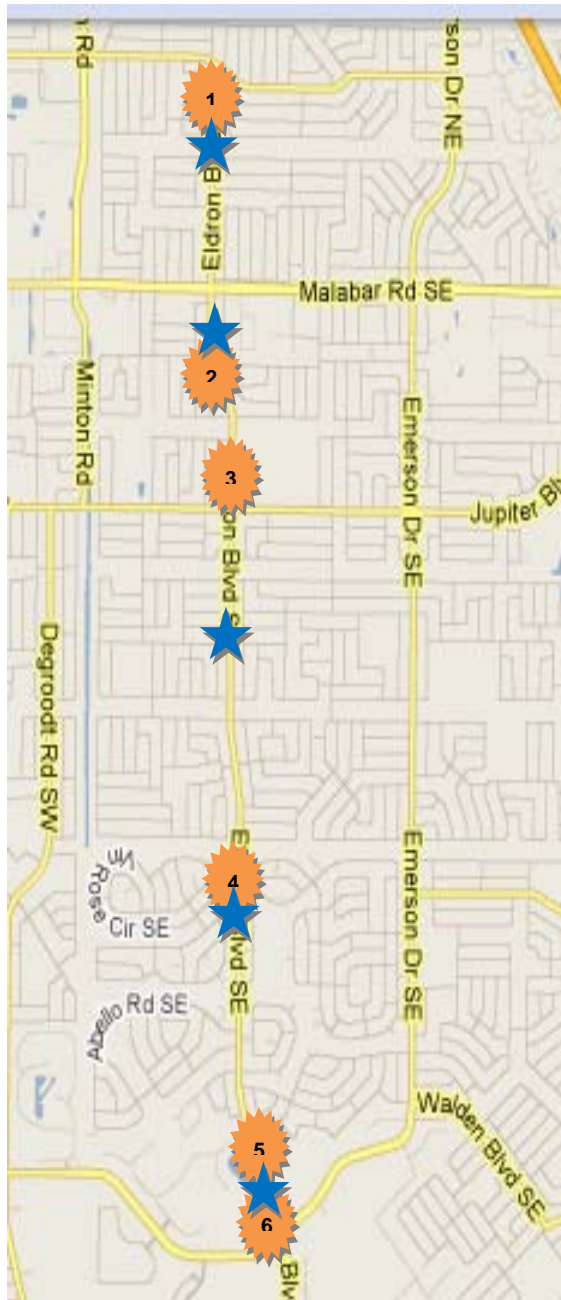
Traffic Counter Locations Map

and

Pictures of Eldron Boulevard NE and SE (Typical)

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

**Traffic Counter Locations Map and
Pictures of Eldron Boulevard NE and SE (Typical)**



1 Eldron Blvd NE facing north at Eva St. NE



2 Eldron Blvd SE facing south near Dolphin St. SE



3 Eldron Blvd SE facing south in front of Southwest Middle School at Bartha St. SE

Legend



Traffic Counter location



Picture with corresponding number

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

Pictures of Eldron Boulevard SE (Typical)



4

Eldron Blvd SE facing north at Vin Rose Circle/Koutnik Road SE



5

Eldron Blvd SE facing south at Raleigh Road SE



6

Eldron Blvd SE facing south Odyssey Charter School

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

APPENDIX B

Establishing Speed Limits Policy (Council Approved 1/8/09)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Policy – Establishing Speed Zones/Limits

Definitions

1. **Arterial Road** – The primary function of arterial corridors is to move moderate to large volumes of traffic relatively long distances. Arterials often connect widely separated rural and urban communities. Requirements for speed and level of service are usually quite high. Access should be well controlled and, where possible, limited to other arterials and collector roads. Arterials are used to move traffic around neighborhoods and should form a continuous network designed for a free flow of through traffic. See Exhibit A for a map of arterial roadways.
2. **Collector Roads** – The connecting link between local streets and arterials to provide intra-neighborhood access. Traffic characteristics generally consist of relatively short trip lengths, moderate speeds and volumes. Access is of secondary significance, and should be limited to local streets, other collectors and major traffic generators. Collectors should penetrate neighborhoods without forming a continuous network, thus discouraging through traffic which is better served by arterials. See Exhibit A for a map of collector roadways.
3. **Local Street** – The primary function of a local street is to serve the adjacent property by providing initial access to the highway network. These facilities are characterized by short trip lengths, low speeds and small traffic volumes. Through traffic on these facilities should be discouraged. See Exhibit A for a map of local streets.

Policy

The speed limit on City-owned arterial and collector roadways shall be determined by the City Council upon review of an engineering and traffic investigation prepared under the direction and/or review of the City Engineer or designee or under the direction of a licensed professional engineer registered in the State of Florida. The City Engineer or designee is responsible for final review of the proposed speed limits and preparing the recommendation for Council action.

The speed limit on local streets in residential districts shall be 30 MPH per Florida State Statute, Chapter 316, unless a previous speed zone study warranted otherwise. Lowering the speed zone in residential districts (to 20 MPH or 25 MPH) may be accomplished pursuant to an engineering and traffic investigation prepared under the direction and/or review of the City Engineer or designee or under the direction of a licensed professional engineer registered in the State of Florida. The City Engineer or

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

designee is responsible for final review of the proposed speed limits and preparing the recommendation for Council action.

Pursuant to a review and analysis prepared under the direction of a licensed professional engineer registered in the State of Florida, the City Council may authorize the City Manager or designee to request speed limit review by either Brevard County or the State of Florida Department of Transportation (FDOT) for those roadways under their respective jurisdictions.

Speed limits in private subdivisions or developments shall be established at the time of subdivision approval by the City Council. Modifications to previously-established speed limits on private roadways may be requested by the owner(s) of such roadways upon application to the Growth Management Department. The application shall include an engineering and traffic investigation pursuant to the Florida State Statutes, Chapter 316, and shall be prepared by a licensed professional engineer registered in the State of Florida. The City Engineer or designee is responsible for final review of the proposed speed limits and preparing the recommendation for Council action.

School Speed Zones are governed by Florida State Statute 316.1895 and the Florida Department of Transportation published Topic Number 750-010-027-h on May 3, 2006 titled, "Establishing School Zones and School Crossings."

Engineering and Traffic Investigations

Any proposed alteration of speed limits on City-owned roadways must be based on engineering and traffic investigation prepared under the direction and/or review of the City Engineer or designee or under the direction of a licensed professional engineer registered in the State of Florida. Such proposed recommendation and final report shall be circulated for interdepartmental review by the City Engineer or designee and presented to the City Council for final action.

The Florida Department of Transportation (FDOT) manual "Speed Zoning for Highways, Roads and Streets in Florida" includes procedures and practices for performing the engineering and traffic investigations related to speed zoning. Other manuals that may be used are the Manual on Uniform Traffic Studies (MUTS) and the Manual on Uniform Traffic Control Devices (MUTCD).

Based upon the speed data collected, field conditions (such as road geometry, geographic area, traffic signals, adjacent land use, road conditions, etc.), engineering judgment, and other factors discussed in the FDOT, MUTS and MUTCD manuals, the City Engineer or designee will evaluate the speed zone and furnish a technical report

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

indicating how the proposed speed limit was established. The report should include all factors that influenced the proposed speed limit, such as the speed data collected, the numerical limits, field conditions, engineering judgment, etc.

The City Engineer and the Public Works Director shall jointly maintain the official records regarding the established speed limits on City-owned roadways including the investigative report, the date of Council action, the area affected and the location of speed limit signs.

Speed zones shall be evaluated and reviewed when traffic counts show a significant change in travel patterns, when crash rates in a particular segment increase, when the surrounding land use changes, and/or when the City Engineer, or designee, determine that the speed zone should be evaluated and reviewed.

Development Review

The design speed for proposed arterial and/or collector roadways that are constructed in conjunction with development must be reviewed by the City Engineer, or designee, and must be based on FDOT standards and engineering judgment.

The design speed for all private and public local streets shall be 30MPH, unless otherwise justified by the engineer of record.

Following review by the City Engineer or designee, the recommended speed limits should be presented to the City Council concurrent with their consideration of the development plan, and entered into the records upon approval.

References

- Florida State Statutes Chapter 316
 - 316.003 – Definitions
 - 316.183 – Unlawful Speed
 - 316.189 – Establishment of Municipal and County Speed Zones
- FDOT Manual Number 750-010-002, “Speed Zoning for Highways, Roads, and Streets in Florida”
- Manual on Uniform Traffic Studies (MUTS)
 - Chapter 11 – Safe Curve Speed Study
 - Chapter 13 – Vehicle Spot Speed Study
- Manual on Uniform Traffic Control Devices (MUTCD), Chapter 2 – Signs
- City of Palm Bay Code of Ordinance, 70.01 – Adoption of Florida Uniform Traffic Control Law

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

APPENDIX C

Speed Statistics

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

City of Palm Bay Traffic Operations
Speed Statistics

SpeedStat-124 -- English (ENU)

Datasets:

Site: [Eldron] ELdron Between Brookedge and Delmonico
Direction: 7 - North bound A>B, South bound B>A. Lane: 0
Survey Duration: 11:57 Wednesday, April 28, 2010 => 14:06 Wednesday, May 12, 2010
File: Eldron 1 12May2010.EC0 (Plus)
Identifier: T271E54M MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 11:57 Wednesday, April 28, 2010 => 14:06 Wednesday, May 12, 2010
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 5 - 100 mph.
Direction: North (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (Scheme F2)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 7382 / 14450 (51.09%)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Speed Statistics

SpeedStat-124

Site: Eldron.ONS
Description: ELdron Between Brookedge and Delmonico
Filter time: 11:57 Wednesday, April 28, 2010 => 14:06 Wednesday, May 12, 2010
Scheme: Vehicle classification (Scheme F2)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(N) Sp(5,100) Headway(>0)

Vehicles = 7382

Posted speed limit = 30 mph, Exceeding = 5822 (78.87%), Mean Exceeding = 36.05 mph

Maximum = 81.3 mph, Minimum = 11.6 mph, Mean = 33.9 mph

85% Speed = 39.4 mph, 95% Speed = 42.7 mph, Median = 34.0 mph

10 mph Pace = 29 - 39, Number in Pace = 4932 (66.81%)

Variance = 32.77, Standard Deviation = 5.72 mph

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - 5	0 0.0%	0 0.0%	7382 100.0%	0.00	0.00	0.00
5 - 10	0 0.0%	0 0.0%	7382 100.0%	0.00	0.00	0.00
10 - 15	10 0.1%	10 0.1%	7372 99.9%	0.00	0.00	0.00
15 - 20	84 1.1%	94 1.3%	7288 98.7%	0.00	0.00	0.00
20 - 25	374 5.1%	468 6.3%	6914 93.7%	0.00	0.00	0.00
25 - 30	1092 14.8%	1560 21.1%	5822 78.9%	0.00	0.00	0.00
30 - 35	2708 36.7%	4268 57.8%	3114 42.2%	0.00	0.00	0.00
35 - 40	2191 29.7%	6459 87.5%	923 12.5%	0.00	0.00	0.00
40 - 45	751 10.2%	7210 97.7%	172 2.3%	0.00	0.00	0.00
45 - 50	138 1.9%	7348 99.5%	34 0.5%	0.00	0.00	0.00
50 - 55	22 0.3%	7370 99.8%	12 0.2%	0.00	0.00	0.00
55 - 60	7 0.1%	7377 99.9%	5 0.1%	0.00	0.00	0.00
60 - 65	2 0.0%	7379 100.0%	3 0.0%	0.00	0.00	0.00
65 - 70	1 0.0%	7380 100.0%	2 0.0%	0.00	0.00	0.00
70 - 75	0 0.0%	7380 100.0%	2 0.0%	0.00	0.00	0.00
75 - 80	0 0.0%	7380 100.0%	2 0.0%	0.00	0.00	0.00
80 - 85	2 0.0%	7382 100.0%	0 0.0%	0.00	0.00	0.00
85 - 90	0 0.0%	7382 100.0%	0 0.0%	0.00	0.00	0.00
90 - 95	0 0.0%	7382 100.0%	0 0.0%	0.00	0.00	0.00
95 - 100	0 0.0%	7382 100.0%	0 0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00

Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

Limit	Below	Above
0 30 (PSL)	1560 21.1%	5822 78.9%

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

City of Palm Bay Traffic Operations
Speed Statistics

SpeedStat-124 -- English (ENU)

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Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 5 - 100 mph.
Direction: South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (Scheme F2)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 7059 / 14450 (48.85%)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Speed Statistics

SpeedStat-124

Site: Eldron.ONS
Description: ELdron Between Brookedge and Delmonico
Filter time: 11:57 Wednesday, April 28, 2010 => 14:06 Wednesday, May 12, 2010
Scheme: Vehicle classification (Scheme F2)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(S) Sp(5,100) Headway(>0)

Vehicles = 7059

Posted speed limit = 30 mph, Exceeding = 5084 (72.02%), Mean Exceeding = 35.29 mph

Maximum = 81.3 mph, Minimum = 6.7 mph, Mean = 32.8 mph

85% Speed = 37.8 mph, 95% Speed = 40.9 mph, Median = 32.9 mph

10 mph Pace = 28 - 38, Number in Pace = 4781 (67.73%)

Variance = 29.11, Standard Deviation = 5.40 mph

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - 5	0 0.0%	0 0.0%	7059 100.0%	0.00	0.00	0.00
5 - 10	5 0.1%	5 0.1%	7054 99.9%	0.00	0.00	0.00
10 - 15	10 0.1%	15 0.2%	7044 99.8%	0.00	0.00	0.00
15 - 20	61 0.9%	76 1.1%	6983 98.9%	0.00	0.00	0.00
20 - 25	462 6.5%	538 7.6%	6521 92.4%	0.00	0.00	0.00
25 - 30	1437 20.4%	1975 28.0%	5084 72.0%	0.00	0.00	0.00
30 - 35	2707 38.3%	4682 66.3%	2377 33.7%	0.00	0.00	0.00
35 - 40	1853 26.3%	6535 92.6%	524 7.4%	0.00	0.00	0.00
40 - 45	434 6.1%	6969 98.7%	90 1.3%	0.00	0.00	0.00
45 - 50	79 1.1%	7048 99.8%	11 0.2%	0.00	0.00	0.00
50 - 55	4 0.1%	7052 99.9%	7 0.1%	0.00	0.00	0.00
55 - 60	4 0.1%	7056 100.0%	3 0.0%	0.00	0.00	0.00
60 - 65	1 0.0%	7057 100.0%	2 0.0%	0.00	0.00	0.00
65 - 70	1 0.0%	7058 100.0%	1 0.0%	0.00	0.00	0.00
70 - 75	0 0.0%	7058 100.0%	1 0.0%	0.00	0.00	0.00
75 - 80	0 0.0%	7058 100.0%	1 0.0%	0.00	0.00	0.00
80 - 85	1 0.0%	7059 100.0%	0 0.0%	0.00	0.00	0.00
85 - 90	0 0.0%	7059 100.0%	0 0.0%	0.00	0.00	0.00
90 - 95	0 0.0%	7059 100.0%	0 0.0%	0.00	0.00	0.00
95 - 100	0 0.0%	7059 100.0%	0 0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00

Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

Limit	Below	Above
0 30 (PSL)	1975 28.0%	5084 72.0%

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

City of Palm Bay Traffic Operations
Speed Statistics

SpeedStat-133 -- English (ENU)

Datasets:

Site: [Eldron] Eldron north of Looney between Looney and Decordre
Direction: 7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration: 12:02 Wednesday, April 28, 2010 => 14:09 Wednesday, May 12, 2010
File: Eldron 5 12May2010.EC0 (Plus)
Identifier: P5424PTS MC56-L4 [MC55] (c)Microcom 19Sep03
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 12:02 Wednesday, April 28, 2010 => 14:09 Wednesday, May 12, 2010
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 5 - 100 mph.
Direction: North (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (Scheme F2)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 19939 / 39418 (50.58%)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Speed Statistics

SpeedStat-133

Site: Eldron.ONS
Description: Eldron north of Looney between Looney and Decordre
Filter time: 12:02 Wednesday, April 28, 2010 => 14:09 Wednesday, May 12, 2010
Scheme: Vehicle classification (Scheme F2)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(N) Sp(5,100) Headway(>0)

Vehicles = 19939

Posted speed limit = 30 mph, Exceeding = 15356 (77.01%), Mean Exceeding = 34.50 mph

Maximum = 61.8 mph, Minimum = 5.2 mph, Mean = 32.5 mph

85% Speed = 36.7 mph, 95% Speed = 39.4 mph, Median = 32.9 mph

10 mph Pace = 28 - 38, Number in Pace = 15531 (77.89%)

Variance = 26.01, Standard Deviation = 5.10 mph

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - 5	0	0.0%	19939 100.0%	0.00	0.00	0.00
5 - 10	6	0.0%	19933 100.0%	0.00	0.00	0.00
10 - 15	197	1.0%	19736 99.0%	0.00	0.00	0.00
15 - 20	529	2.7%	19207 96.3%	0.00	0.00	0.00
20 - 25	615	3.1%	18592 93.2%	0.00	0.00	0.00
25 - 30	3236	16.2%	15356 77.0%	0.00	0.00	0.00
30 - 35	9441	47.3%	5915 29.7%	0.00	0.00	0.00
35 - 40	5139	25.8%	776 3.9%	0.00	0.00	0.00
40 - 45	712	3.6%	19875 99.7%	0.00	0.00	0.00
45 - 50	50	0.3%	14 0.1%	0.00	0.00	0.00
50 - 55	13	0.1%	19938 100.0%	0.00	0.00	0.00
55 - 60	0	0.0%	1 0.0%	0.00	0.00	0.00
60 - 65	1	0.0%	0 0.0%	0.00	0.00	0.00
65 - 70	0	0.0%	0 0.0%	0.00	0.00	0.00
70 - 75	0	0.0%	0 0.0%	0.00	0.00	0.00
75 - 80	0	0.0%	0 0.0%	0.00	0.00	0.00
80 - 85	0	0.0%	0 0.0%	0.00	0.00	0.00
85 - 90	0	0.0%	0 0.0%	0.00	0.00	0.00
90 - 95	0	0.0%	0 0.0%	0.00	0.00	0.00
95 - 100	0	0.0%	0 0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00

Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

Limit	Below	Above
0 30 (PSL)	4583 23.0%	15356 77.0%

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

City of Palm Bay Traffic Operations
Speed Statistics

SpeedStat-133 -- English (ENU)

Datasets:

Site: [Eldron] Eldron north of Looney between Looney and Decordre
Direction: 7 - North bound A>B, South bound B>A. Lane: 0
Survey Duration: 12:02 Wednesday, April 28, 2010 => 14:09 Wednesday, May 12, 2010
File: Eldron 5 12May2010.EC0 (Plus)
Identifier: P5424PTS MC56-L4 [MC55] (c)Microcom 19Sep03
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 12:02 Wednesday, April 28, 2010 => 14:09 Wednesday, May 12, 2010
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 5 - 100 mph.
Direction: South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (Scheme F2)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 19378 / 39418 (49.16%)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Speed Statistics

SpeedStat-133

Site: Eldron.ONS
Description: Eldron north of Looney between Looney and Decordre
Filter time: 12:02 Wednesday, April 28, 2010 => 14:09 Wednesday, May 12, 2010
Scheme: Vehicle classification (Scheme F2)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(S) Sp(5,100) Headway(>0)

Vehicles = 19378
 Posted speed limit = 30 mph, Exceeding = 17673 (91.20%), Mean Exceeding = 38.99 mph
 Maximum = 82.2 mph, Minimum = 6.8 mph, Mean = 37.6 mph
 85% Speed = 43.4 mph, 95% Speed = 46.8 mph, Median = 38.0 mph
 10 mph Pace = 33 - 43, Number in Pace = 12680 (65.44%)
 Variance = 43.66, Standard Deviation = 6.61 mph

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - 5	0 0.0%	0 0.0%	19378 100.0%	0.00	0.00	0.00
5 - 10	12 0.1%	12 0.1%	19366 99.9%	0.00	0.00	0.00
10 - 15	92 0.5%	104 0.5%	19274 99.5%	0.00	0.00	0.00
15 - 20	521 2.7%	625 3.2%	18753 96.8%	0.00	0.00	0.00
20 - 25	282 1.5%	907 4.7%	18471 95.3%	0.00	0.00	0.00
25 - 30	798 4.1%	1705 8.8%	17673 91.2%	0.00	0.00	0.00
30 - 35	3689 19.0%	5394 27.8%	13984 72.2%	0.00	0.00	0.00
35 - 40	7097 36.6%	12491 64.5%	6887 35.5%	0.00	0.00	0.00
40 - 45	5005 25.8%	17496 90.3%	1882 9.7%	0.00	0.00	0.00
45 - 50	1560 8.1%	19056 98.3%	322 1.7%	0.00	0.00	0.00
50 - 55	267 1.4%	19323 99.7%	55 0.3%	0.00	0.00	0.00
55 - 60	34 0.2%	19357 99.9%	21 0.1%	0.00	0.00	0.00
60 - 65	13 0.1%	19370 100.0%	8 0.0%	0.00	0.00	0.00
65 - 70	4 0.0%	19374 100.0%	4 0.0%	0.00	0.00	0.00
70 - 75	3 0.0%	19377 100.0%	1 0.0%	0.00	0.00	0.00
75 - 80	0 0.0%	19377 100.0%	1 0.0%	0.00	0.00	0.00
80 - 85	1 0.0%	19378 100.0%	0 0.0%	0.00	0.00	0.00
85 - 90	0 0.0%	19378 100.0%	0 0.0%	0.00	0.00	0.00
90 - 95	0 0.0%	19378 100.0%	0 0.0%	0.00	0.00	0.00
95 - 100	0 0.0%	19378 100.0%	0 0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00
 Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

Limit	Below	Above
0 30 (PSL)	1705 8.8%	17673 91.2%

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

City of Palm Bay Traffic Operations
Speed Statistics

SpeedStat-127 -- English (ENU)

Datasets:

Site: [Eldron] Eldron between Algiers and Barcelona
Direction: 7 - North bound A>B, South bound B>A. Lane: 0
Survey Duration: 12:05 Wednesday, April 28, 2010 => 13:54 Wednesday, May 12, 2010
File: Eldron 3 12May2010.EC0 (Plus)
Identifier: T941T6W9 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 12:05 Wednesday, April 28, 2010 => 13:54 Wednesday, May 12, 2010
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 5 - 100 mph.
Direction: North (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (Scheme F2)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 20029 / 39464 (50.75%)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Speed Statistics

SpeedStat-127

Site: Eldron.ONS
Description: Eldron between Algiers and Barcelona
Filter time: 12:05 Wednesday, April 28, 2010 => 13:54 Wednesday, May 12, 2010
Scheme: Vehicle classification (Scheme F2)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(N) Sp(5,100) Headway(>0)

Vehicles = 20029

Posted speed limit = 30 mph, Exceeding = 14764 (73.71%), Mean Exceeding = 34.28 mph

Maximum = 91.3 mph, Minimum = 8.2 mph, Mean = 32.3 mph

85% Speed = 36.5 mph, 95% Speed = 38.9 mph, Median = 32.4 mph

10 mph Pace = 28 - 38, Number in Pace = 15594 (77.86%)

Variance = 20.08, Standard Deviation = 4.48 mph

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - 5	0 0.0%	0 0.0%	20029 100.0%	0.00	0.00	0.00
5 - 10	4 0.0%	4 0.0%	20025 100.0%	0.00	0.00	0.00
10 - 15	31 0.2%	35 0.2%	19994 99.8%	0.00	0.00	0.00
15 - 20	202 1.0%	237 1.2%	19792 98.8%	0.00	0.00	0.00
20 - 25	863 4.3%	1100 5.5%	18929 94.5%	0.00	0.00	0.00
25 - 30	4165 20.8%	5265 26.3%	14764 73.7%	0.00	0.00	0.00
30 - 35	9550 47.7%	14815 74.0%	5214 26.0%	0.00	0.00	0.00
35 - 40	4602 23.0%	19417 96.9%	612 3.1%	0.00	0.00	0.00
40 - 45	545 2.7%	19962 99.7%	67 0.3%	0.00	0.00	0.00
45 - 50	56 0.3%	20018 99.9%	11 0.1%	0.00	0.00	0.00
50 - 55	6 0.0%	20024 100.0%	5 0.0%	0.00	0.00	0.00
55 - 60	2 0.0%	20026 100.0%	3 0.0%	0.00	0.00	0.00
60 - 65	1 0.0%	20027 100.0%	2 0.0%	0.00	0.00	0.00
65 - 70	1 0.0%	20028 100.0%	1 0.0%	0.00	0.00	0.00
70 - 75	0 0.0%	20028 100.0%	1 0.0%	0.00	0.00	0.00
75 - 80	0 0.0%	20028 100.0%	1 0.0%	0.00	0.00	0.00
80 - 85	0 0.0%	20028 100.0%	1 0.0%	0.00	0.00	0.00
85 - 90	0 0.0%	20028 100.0%	1 0.0%	0.00	0.00	0.00
90 - 95	1 0.0%	20029 100.0%	0 0.0%	0.00	0.00	0.00
95 - 100	0 0.0%	20029 100.0%	0 0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00

Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

Limit	Below	Above
0 30 (PSL)	5265 26.3%	14764 73.7%

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

City of Palm Bay Traffic Operations
Speed Statistics

SpeedStat-127 -- English (ENU)

Datasets:

Site: [Eldron] Eldron between Algiers and Barcelona
Direction: 7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration: 12:05 Wednesday, April 28, 2010 => 13:54 Wednesday, May 12, 2010
File: Eldron 3 12May2010.EC0 (Plus)
Identifier: T941T6W9 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 12:05 Wednesday, April 28, 2010 => 13:54 Wednesday, May 12, 2010
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 5 - 100 mph.
Direction: South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (Scheme F2)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 19394 / 39464 (49.14%)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Speed Statistics

SpeedStat-127

Site: Eldron.ONS
Description: Eldron between Algiers and Barcelona
Filter time: 12:05 Wednesday, April 28, 2010 => 13:54 Wednesday, May 12, 2010
Scheme: Vehicle classification (Scheme F2)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(S) Sp(5,100) Headway(>0)

Vehicles = 19394

Posted speed limit = 30 mph, Exceeding = 16112 (83.08%), Mean Exceeding = 35.01 mph

Maximum = 91.3 mph, Minimum = 8.7 mph, Mean = 33.7 mph

85% Speed = 37.8 mph, 95% Speed = 40.3 mph, Median = 33.6 mph

10 mph Pace = 29 - 39, Number in Pace = 15418 (79.50%)

Variance = 19.08, Standard Deviation = 4.37 mph

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - 5	0 0.0%	0 0.0%	19394 100.0%	0.00	0.00	0.00
5 - 10	3 0.0%	3 0.0%	19391 100.0%	0.00	0.00	0.00
10 - 15	31 0.2%	34 0.2%	19360 99.8%	0.00	0.00	0.00
15 - 20	82 0.4%	116 0.6%	19278 99.4%	0.00	0.00	0.00
20 - 25	417 2.2%	533 2.7%	18861 97.3%	0.00	0.00	0.00
25 - 30	2749 14.2%	3282 16.9%	16112 83.1%	0.00	0.00	0.00
30 - 35	8840 45.6%	12122 62.5%	7272 37.5%	0.00	0.00	0.00
35 - 40	6147 31.7%	18269 94.2%	1125 5.8%	0.00	0.00	0.00
40 - 45	1010 5.2%	19279 99.4%	115 0.6%	0.00	0.00	0.00
45 - 50	89 0.5%	19368 99.9%	26 0.1%	0.00	0.00	0.00
50 - 55	13 0.1%	19381 99.9%	13 0.1%	0.00	0.00	0.00
55 - 60	7 0.0%	19388 100.0%	6 0.0%	0.00	0.00	0.00
60 - 65	5 0.0%	19393 100.0%	1 0.0%	0.00	0.00	0.00
65 - 70	0 0.0%	19393 100.0%	1 0.0%	0.00	0.00	0.00
70 - 75	0 0.0%	19393 100.0%	1 0.0%	0.00	0.00	0.00
75 - 80	0 0.0%	19393 100.0%	1 0.0%	0.00	0.00	0.00
80 - 85	0 0.0%	19393 100.0%	1 0.0%	0.00	0.00	0.00
85 - 90	0 0.0%	19393 100.0%	1 0.0%	0.00	0.00	0.00
90 - 95	1 0.0%	19394 100.0%	0 0.0%	0.00	0.00	0.00
95 - 100	0 0.0%	19394 100.0%	0 0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00

Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

Limit	Below	Above
0 30 (PSL)	3282 16.9%	16112 83.1%

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

City of Palm Bay Traffic Operations
Speed Statistics

SpeedStat-130 -- English (ENU)

Datasets:

Site: [Eldron] Eldron between Sherman and Cocoa
Direction: 7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration: 12:07 Wednesday, April 28, 2010 => 14:02 Wednesday, May 12, 2010
File: Eldron 4 12May2010.EC0 (Plus)
Identifier: U333T1B1 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 12:07 Wednesday, April 28, 2010 => 14:02 Wednesday, May 12, 2010
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 5 - 100 mph.
Direction: North (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (Scheme F2)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 36607 / 72171 (50.72%)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Speed Statistics

SpeedStat-130

Site: Eldron.ONS
Description: Eldron between Sherman and Cocoa
Filter time: 12:07 Wednesday, April 28, 2010 => 14:02 Wednesday, May 12, 2010
Scheme: Vehicle classification (Scheme F2)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(N) Sp(5,100) Headway(>0)

Vehicles = 36607

Posted speed limit = 30 mph, Exceeding = 34021 (92.94%), Mean Exceeding = 39.44 mph

Maximum = 88.4 mph, Minimum = 5.1 mph, Mean = 38.5 mph

85% Speed = 42.7 mph, 95% Speed = 45.2 mph, Median = 38.9 mph

10 mph Pace = 34 - 44, Number in Pace = 28601 (78.13%)

Variance = 26.12, Standard Deviation = 5.11 mph

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - 5	0	0.0%	36607 100.0%	0.00	0.00	0.00
5 - 10	11	0.0%	36596 100.0%	0.00	0.00	0.00
10 - 15	45	0.1%	36551 99.8%	0.00	0.00	0.00
15 - 20	115	0.3%	36436 99.5%	0.00	0.00	0.00
20 - 25	749	2.0%	35687 97.5%	0.00	0.00	0.00
25 - 30	1666	4.6%	34021 92.9%	0.00	0.00	0.00
30 - 35	3621	9.9%	30400 83.0%	0.00	0.00	0.00
35 - 40	15811	43.2%	14589 39.9%	0.00	0.00	0.00
40 - 45	12540	34.3%	2049 5.6%	0.00	0.00	0.00
45 - 50	1874	5.1%	175 0.5%	0.00	0.00	0.00
50 - 55	145	0.4%	30 0.1%	0.00	0.00	0.00
55 - 60	19	0.1%	11 0.0%	0.00	0.00	0.00
60 - 65	5	0.0%	6 0.0%	0.00	0.00	0.00
65 - 70	3	0.0%	3 0.0%	0.00	0.00	0.00
70 - 75	1	0.0%	2 0.0%	0.00	0.00	0.00
75 - 80	1	0.0%	1 0.0%	0.00	0.00	0.00
80 - 85	0	0.0%	1 0.0%	0.00	0.00	0.00
85 - 90	1	0.0%	0 0.0%	0.00	0.00	0.00
90 - 95	0	0.0%	0 0.0%	0.00	0.00	0.00
95 - 100	0	0.0%	0 0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00

Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

Limit	Below	Above
0 30 (PSL)	2586 7.1%	34021 92.9%

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

City of Palm Bay Traffic Operations
Speed Statistics

SpeedStat-130 -- English (ENU)

Datasets:

Site: [Eldron] Eldron between Sherman and Cocoa
Direction: 7 - North bound A>B, South bound B>A. Lane: 0
Survey Duration: 12:07 Wednesday, April 28, 2010 => 14:02 Wednesday, May 12, 2010
File: Eldron 4 12May2010.EC0 (Plus)
Identifier: U333T1B1 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 12:07 Wednesday, April 28, 2010 => 14:02 Wednesday, May 12, 2010
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 5 - 100 mph.
Direction: South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (Scheme F2)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 35485 / 72171 (49.17%)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Speed Statistics

SpeedStat-130

Site: Eldron.ONS
Description: Eldron between Sherman and Cocoa
Filter time: 12:07 Wednesday, April 28, 2010 => 14:02 Wednesday, May 12, 2010
Scheme: Vehicle classification (Scheme F2)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(S) Sp(5,100) Headway(>0)

Vehicles = 35485

Posted speed limit = 30 mph, Exceeding = 33513 (94.44%), Mean Exceeding = 40.97 mph

Maximum = 85.4 mph, Minimum = 5.1 mph, Mean = 40.1 mph

85% Speed = 45.0 mph, 95% Speed = 47.6 mph, Median = 40.7 mph

10 mph Pace = 36 - 46, Number in Pace = 25793 (72.69%)

Variance = 30.91, Standard Deviation = 5.56 mph

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - 5	0 0.0%	0 0.0%	35485 100.0%	0.00	0.00	0.00
5 - 10	14 0.0%	14 0.0%	35471 100.0%	0.00	0.00	0.00
10 - 15	49 0.1%	63 0.2%	35422 99.8%	0.00	0.00	0.00
15 - 20	92 0.3%	155 0.4%	35330 99.6%	0.00	0.00	0.00
20 - 25	422 1.2%	577 1.6%	34908 98.4%	0.00	0.00	0.00
25 - 30	1395 3.9%	1972 5.6%	33513 94.4%	0.00	0.00	0.00
30 - 35	3015 8.5%	4987 14.1%	30498 85.9%	0.00	0.00	0.00
35 - 40	10260 28.9%	15247 43.0%	20238 57.0%	0.00	0.00	0.00
40 - 45	14803 41.7%	30050 84.7%	5435 15.3%	0.00	0.00	0.00
45 - 50	4708 13.3%	34758 98.0%	727 2.0%	0.00	0.00	0.00
50 - 55	616 1.7%	35374 99.7%	111 0.3%	0.00	0.00	0.00
55 - 60	81 0.2%	35455 99.9%	30 0.1%	0.00	0.00	0.00
60 - 65	17 0.0%	35472 100.0%	13 0.0%	0.00	0.00	0.00
65 - 70	9 0.0%	35481 100.0%	4 0.0%	0.00	0.00	0.00
70 - 75	1 0.0%	35482 100.0%	3 0.0%	0.00	0.00	0.00
75 - 80	2 0.0%	35484 100.0%	1 0.0%	0.00	0.00	0.00
80 - 85	0 0.0%	35484 100.0%	1 0.0%	0.00	0.00	0.00
85 - 90	1 0.0%	35485 100.0%	0 0.0%	0.00	0.00	0.00
90 - 95	0 0.0%	35485 100.0%	0 0.0%	0.00	0.00	0.00
95 - 100	0 0.0%	35485 100.0%	0 0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00

Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

Limit	Below	Above
0 30 (PSL)	1972 5.6%	33513 94.4%

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

City of Palm Bay Traffic Operations
Speed Statistics

SpeedStat-139 -- English (ENU)

Datasets:

Site: [Eldron] Eldron between VinRose and Ainsley
Direction: 7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration: 12:09 Wednesday, April 28, 2010 => 14:13 Wednesday, May 12, 2010
File: Eldron 8 12May2010.EC0 (Plus)
Identifier: T833W979 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 12:09 Wednesday, April 28, 2010 => 14:13 Wednesday, May 12, 2010
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 5 - 100 mph.
Direction: North (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (Scheme F2)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 25684 / 50337 (51.02%)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Speed Statistics

SpeedStat-139

Site: Eldron.ONS
Description: Eldron between VinRose and Ainsley
Filter time: 12:09 Wednesday, April 28, 2010 => 14:13 Wednesday, May 12, 2010
Scheme: Vehicle classification (Scheme F2)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(N) Sp(5,100) Headway(>0)

Vehicles = 25684

Posted speed limit = 40 mph, Exceeding = 14175 (55.19%), Mean Exceeding = 44.46 mph

Maximum = 81.1 mph, Minimum = 7.4 mph, Mean = 39.6 mph

85% Speed = 45.9 mph, 95% Speed = 48.8 mph, Median = 40.7 mph

10 mph Pace = 37 - 47, Number in Pace = 15297 (59.56%)

Variance = 46.14, Standard Deviation = 6.79 mph

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - 5	0 0.0%	0 0.0%	25684 100.0%	0.00	0.00	0.00
5 - 10	3 0.0%	3 0.0%	25681 100.0%	0.00	0.00	0.00
10 - 15	16 0.1%	19 0.1%	25665 99.9%	0.00	0.00	0.00
15 - 20	85 0.3%	104 0.4%	25580 99.6%	0.00	0.00	0.00
20 - 25	571 2.2%	675 2.6%	25009 97.4%	0.00	0.00	0.00
25 - 30	2140 8.3%	2815 11.0%	22869 89.0%	0.00	0.00	0.00
30 - 35	3176 12.4%	5991 23.3%	19693 76.7%	0.00	0.00	0.00
35 - 40	5518 21.5%	11509 44.8%	14175 55.2%	0.00	0.00	0.00
40 - 45	8924 34.7%	20433 79.6%	5251 20.4%	0.00	0.00	0.00
45 - 50	4400 17.1%	24833 96.7%	851 3.3%	0.00	0.00	0.00
50 - 55	735 2.9%	25568 99.5%	116 0.5%	0.00	0.00	0.00
55 - 60	91 0.4%	25659 99.9%	25 0.1%	0.00	0.00	0.00
60 - 65	19 0.1%	25678 100.0%	6 0.0%	0.00	0.00	0.00
65 - 70	3 0.0%	25681 100.0%	3 0.0%	0.00	0.00	0.00
70 - 75	2 0.0%	25683 100.0%	1 0.0%	0.00	0.00	0.00
75 - 80	0 0.0%	25683 100.0%	1 0.0%	0.00	0.00	0.00
80 - 85	1 0.0%	25684 100.0%	0 0.0%	0.00	0.00	0.00
85 - 90	0 0.0%	25684 100.0%	0 0.0%	0.00	0.00	0.00
90 - 95	0 0.0%	25684 100.0%	0 0.0%	0.00	0.00	0.00
95 - 100	0 0.0%	25684 100.0%	0 0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00

Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

Limit	Below	Above
0 40 (PSL)	11509 44.8%	14175 55.2%

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

City of Palm Bay Traffic Operations
Speed Statistics

SpeedStat-139 -- English (ENU)

Datasets:

Site: [Eldron] Eldron between VinRose and Ainsley
Direction: 7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration: 12:09 Wednesday, April 28, 2010 => 14:13 Wednesday, May 12, 2010
File: Eldron 8 12May2010.EC0 (Plus)
Identifier: T833W979 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 12:09 Wednesday, April 28, 2010 => 14:13 Wednesday, May 12, 2010
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 5 - 100 mph.
Direction: South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (Scheme F2)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 24589 / 50337 (48.85%)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Speed Statistics

SpeedStat-139

Site: Eldron.ONS
Description: Eldron between VinRose and Ainsley
Filter time: 12:09 Wednesday, April 28, 2010 => 14:13 Wednesday, May 12, 2010
Scheme: Vehicle classification (Scheme F2)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(S) Sp(5,100) Headway(>0)

Vehicles = 24589

Posted speed limit = 40 mph, Exceeding = 1999 (8.13%), Mean Exceeding = 41.82 mph

Maximum = 66.5 mph, Minimum = 7.4 mph, Mean = 34.2 mph

85% Speed = 38.7 mph, 95% Speed = 40.7 mph, Median = 34.9 mph

10 mph Pace = 30 - 40, Number in Pace = 17747 (72.17%)

Variance = 23.58, Standard Deviation = 4.86 mph

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - 5	0	0 0.0%	24589 100.0%	0.00	0.00	0.00
5 - 10	1	1 0.0%	24588 100.0%	0.00	0.00	0.00
10 - 15	6	7 0.0%	24582 100.0%	0.00	0.00	0.00
15 - 20	71	78 0.3%	24511 99.7%	0.00	0.00	0.00
20 - 25	1088	1166 4.7%	23423 95.3%	0.00	0.00	0.00
25 - 30	3774	4940 20.1%	19649 79.9%	0.00	0.00	0.00
30 - 35	7157	12097 49.2%	12492 50.8%	0.00	0.00	0.00
35 - 40	10493	22590 91.9%	1999 8.1%	0.00	0.00	0.00
40 - 45	1876	24466 99.5%	123 0.5%	0.00	0.00	0.00
45 - 50	109	24575 99.9%	14 0.1%	0.00	0.00	0.00
50 - 55	10	24585 100.0%	4 0.0%	0.00	0.00	0.00
55 - 60	2	24587 100.0%	2 0.0%	0.00	0.00	0.00
60 - 65	0	24587 100.0%	2 0.0%	0.00	0.00	0.00
65 - 70	2	24589 100.0%	0 0.0%	0.00	0.00	0.00
70 - 75	0	24589 100.0%	0 0.0%	0.00	0.00	0.00
75 - 80	0	24589 100.0%	0 0.0%	0.00	0.00	0.00
80 - 85	0	24589 100.0%	0 0.0%	0.00	0.00	0.00
85 - 90	0	24589 100.0%	0 0.0%	0.00	0.00	0.00
90 - 95	0	24589 100.0%	0 0.0%	0.00	0.00	0.00
95 - 100	0	24589 100.0%	0 0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00

Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

Limit	Below	Above
40 (PSL)	22590 91.9%	1999 8.1%

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

City of Palm Bay Traffic Operations
Speed Statistics

SpeedStat-136 -- English (ENU)

Datasets:

Site: [Eldron] Eldron between Odyssey Charter School and Publix
Direction: 7 - North bound A>B, South bound B>A. Lane: 0
Survey Duration: 12:16 Wednesday, April 28, 2010 => 13:57 Wednesday, May 12, 2010
File: Eldron 7 12May2010.EC0 (Plus)
Identifier: T2273NS5 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 12:16 Wednesday, April 28, 2010 => 13:57 Wednesday, May 12, 2010
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 5 - 100 mph.
Direction: North (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (Scheme F2)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 21126 / 41544 (50.85%)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Speed Statistics

SpeedStat-136

Site: Eldron.ONS
Description: Eldron between Odyssey Charter School and Publix
Filter time: 12:16 Wednesday, April 28, 2010 => 13:57 Wednesday, May 12, 2010
Scheme: Vehicle classification (Scheme F2)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(N) Sp(5,100) Headway(>0)

Vehicles = 21126
Posted speed limit = 30 mph, **Exceeding** = 16342 (77.35%), **Mean Exceeding** = 34.16 mph
Maximum = 62.7 mph, **Minimum** = 9.5 mph, **Mean** = 32.7 mph
85% Speed = 36.2 mph, **95% Speed** = 38.7 mph, **Median** = 32.7 mph
10 mph Pace = 28 - 38, **Number in Pace** = 17514 (82.90%)
Variance = 14.80, **Standard Deviation** = 3.85 mph

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - 5	0 0.0%	0 0.0%	21126 100.0%	0.00	0.00	0.00
5 - 10	1 0.0%	1 0.0%	21125 100.0%	0.00	0.00	0.00
10 - 15	10 0.0%	11 0.1%	21115 99.9%	0.00	0.00	0.00
15 - 20	29 0.1%	40 0.2%	21086 99.8%	0.00	0.00	0.00
20 - 25	404 1.9%	444 2.1%	20682 97.9%	0.00	0.00	0.00
25 - 30	4340 20.5%	4784 22.6%	16342 77.4%	0.00	0.00	0.00
30 - 35	10876 51.5%	15660 74.1%	5466 25.9%	0.00	0.00	0.00
35 - 40	4850 23.0%	20510 97.1%	616 2.9%	0.00	0.00	0.00
40 - 45	549 2.6%	21059 99.7%	67 0.3%	0.00	0.00	0.00
45 - 50	55 0.3%	21114 99.9%	12 0.1%	0.00	0.00	0.00
50 - 55	8 0.0%	21122 100.0%	4 0.0%	0.00	0.00	0.00
55 - 60	2 0.0%	21124 100.0%	2 0.0%	0.00	0.00	0.00
60 - 65	2 0.0%	21126 100.0%	0 0.0%	0.00	0.00	0.00
65 - 70	0 0.0%	21126 100.0%	0 0.0%	0.00	0.00	0.00
70 - 75	0 0.0%	21126 100.0%	0 0.0%	0.00	0.00	0.00
75 - 80	0 0.0%	21126 100.0%	0 0.0%	0.00	0.00	0.00
80 - 85	0 0.0%	21126 100.0%	0 0.0%	0.00	0.00	0.00
85 - 90	0 0.0%	21126 100.0%	0 0.0%	0.00	0.00	0.00
90 - 95	0 0.0%	21126 100.0%	0 0.0%	0.00	0.00	0.00
95 - 100	0 0.0%	21126 100.0%	0 0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00
Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

Limit	Below	Above
0 30 (PSL)	4784 22.6%	16342 77.4%

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

City of Palm Bay Traffic Operations
Speed Statistics

SpeedStat-136 -- English (ENU)

Datasets:

Site: [Eldron] Eldron between Odyssey Charter School and Publix
Direction: 7 - North bound A>B, South bound B>A. Lane: 0
Survey Duration: 12:16 Wednesday, April 28, 2010 => 13:57 Wednesday, May 12, 2010
File: Eldron 7 12May2010.EC0 (Plus)
Identifier: T2273NS5 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 12:16 Wednesday, April 28, 2010 => 13:57 Wednesday, May 12, 2010
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 5 - 100 mph.
Direction: South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (Scheme F2)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 20374 / 41544 (49.04%)

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

Speed Statistics

SpeedStat-136

Site: Eldron.ONS
Description: Eldron between Odyssey Charter School and Publix
Filter time: 12:16 Wednesday, April 28, 2010 => 13:57 Wednesday, May 12, 2010
Scheme: Vehicle classification (Scheme F2)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(S) Sp(5,100) Headway(>0)

Vehicles = 20374

Posted speed limit = 30 mph, Exceeding = 13320 (65.38%), Mean Exceeding = 33.38 mph

Maximum = 62.7 mph, Minimum = 8.1 mph, Mean = 31.4 mph

85% Speed = 34.9 mph, 95% Speed = 37.1 mph, Median = 31.3 mph

10 mph Pace = 26 - 36, Number in Pace = 17210 (84.47%)

Variance = 13.61, Standard Deviation = 3.69 mph

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - 5	0 0.0%	0 0.0%	20374 100.0%	0.00	0.00	0.00
5 - 10	5 0.0%	5 0.0%	20369 100.0%	0.00	0.00	0.00
10 - 15	9 0.0%	14 0.1%	20360 99.9%	0.00	0.00	0.00
15 - 20	46 0.2%	60 0.3%	20314 99.7%	0.00	0.00	0.00
20 - 25	788 3.9%	848 4.2%	19526 95.8%	0.00	0.00	0.00
25 - 30	6206 30.5%	7054 34.6%	13320 65.4%	0.00	0.00	0.00
30 - 35	10293 50.5%	17347 85.1%	3027 14.9%	0.00	0.00	0.00
35 - 40	2771 13.6%	20118 98.7%	256 1.3%	0.00	0.00	0.00
40 - 45	232 1.1%	20350 99.9%	24 0.1%	0.00	0.00	0.00
45 - 50	22 0.1%	20372 100.0%	2 0.0%	0.00	0.00	0.00
50 - 55	1 0.0%	20373 100.0%	1 0.0%	0.00	0.00	0.00
55 - 60	0 0.0%	20373 100.0%	1 0.0%	0.00	0.00	0.00
60 - 65	1 0.0%	20374 100.0%	0 0.0%	0.00	0.00	0.00
65 - 70	0 0.0%	20374 100.0%	0 0.0%	0.00	0.00	0.00
70 - 75	0 0.0%	20374 100.0%	0 0.0%	0.00	0.00	0.00
75 - 80	0 0.0%	20374 100.0%	0 0.0%	0.00	0.00	0.00
80 - 85	0 0.0%	20374 100.0%	0 0.0%	0.00	0.00	0.00
85 - 90	0 0.0%	20374 100.0%	0 0.0%	0.00	0.00	0.00
90 - 95	0 0.0%	20374 100.0%	0 0.0%	0.00	0.00	0.00
95 - 100	0 0.0%	20374 100.0%	0 0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00

Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

Limit	Below	Above
0 30 (PSL)	7054 34.6%	13320 65.4%

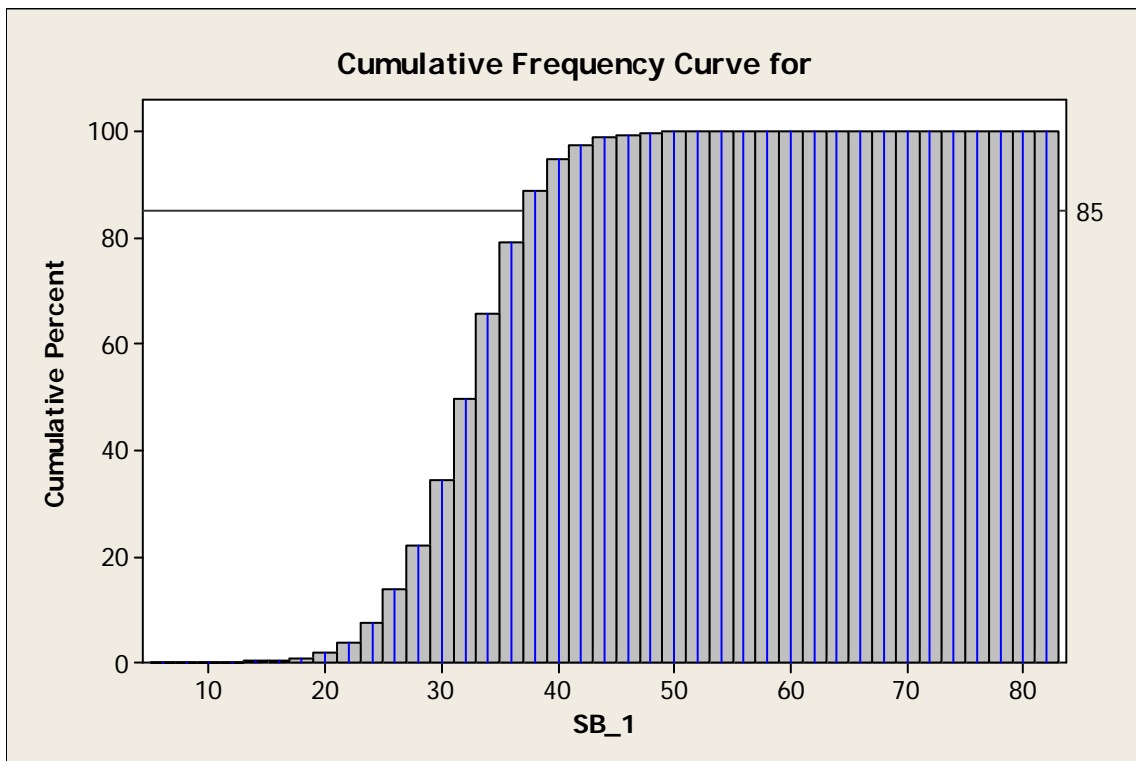
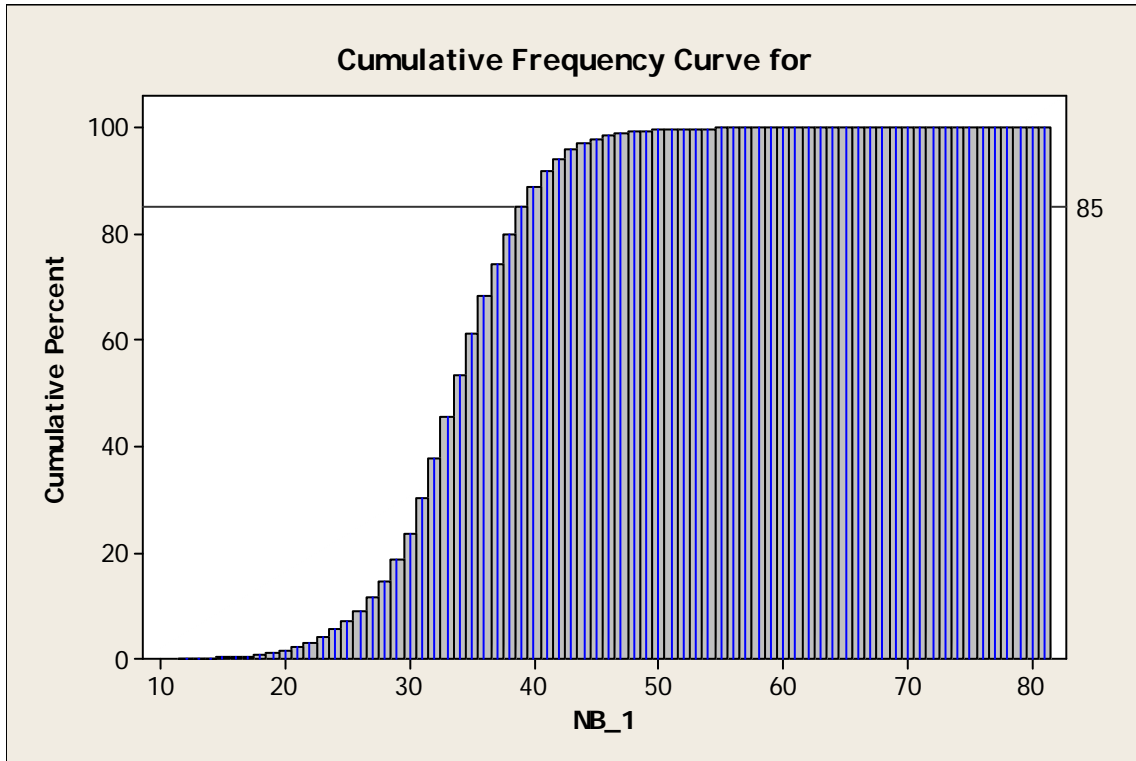
Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

APPENDIX D

Data Curves

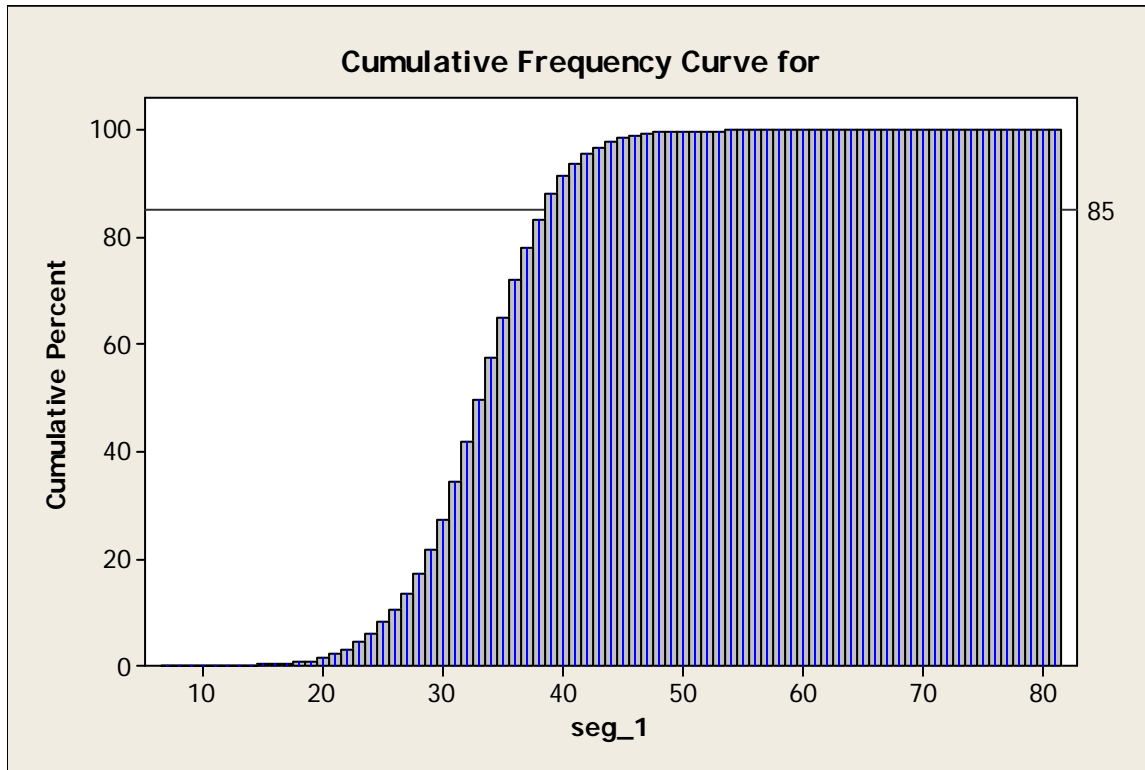
Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

Segment 1: Americana Boulevard NE to Malabar Road



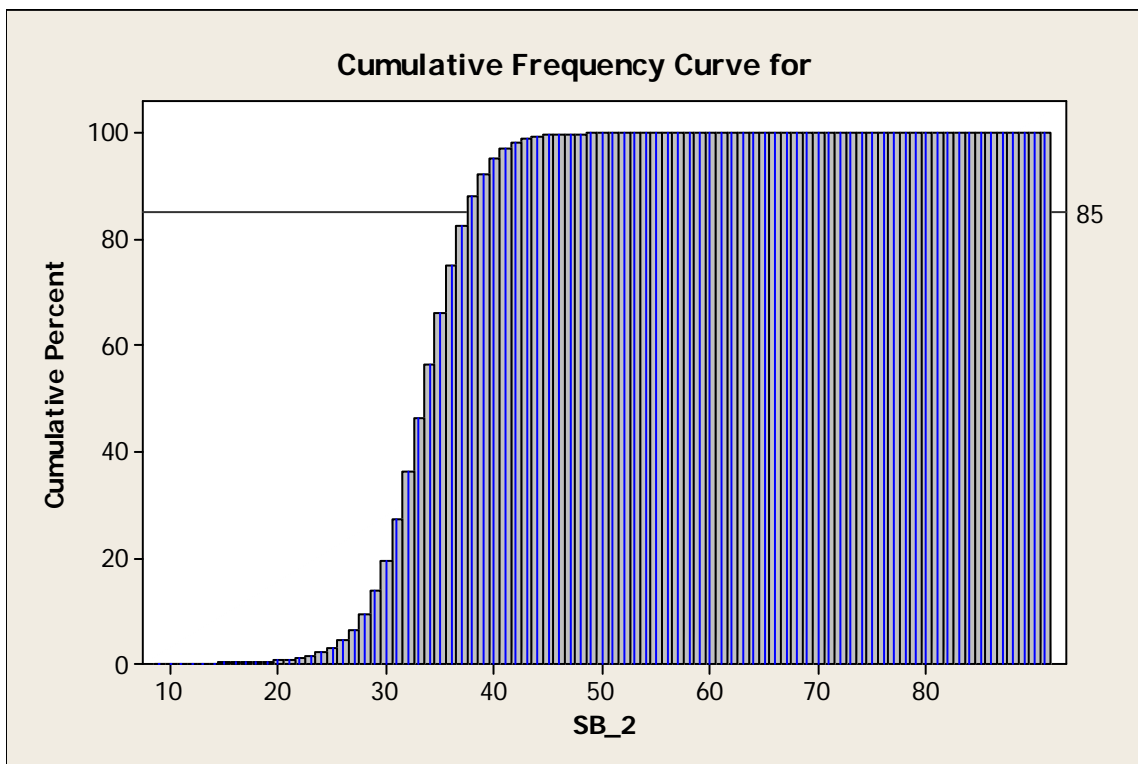
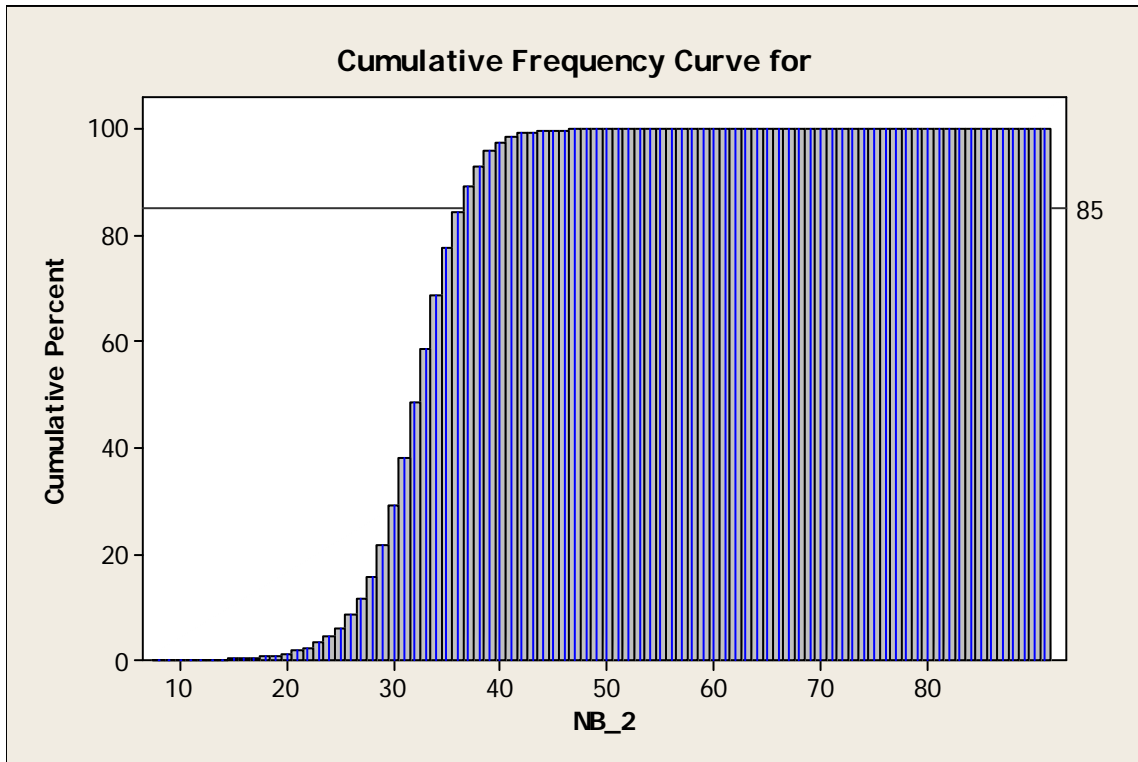
Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard



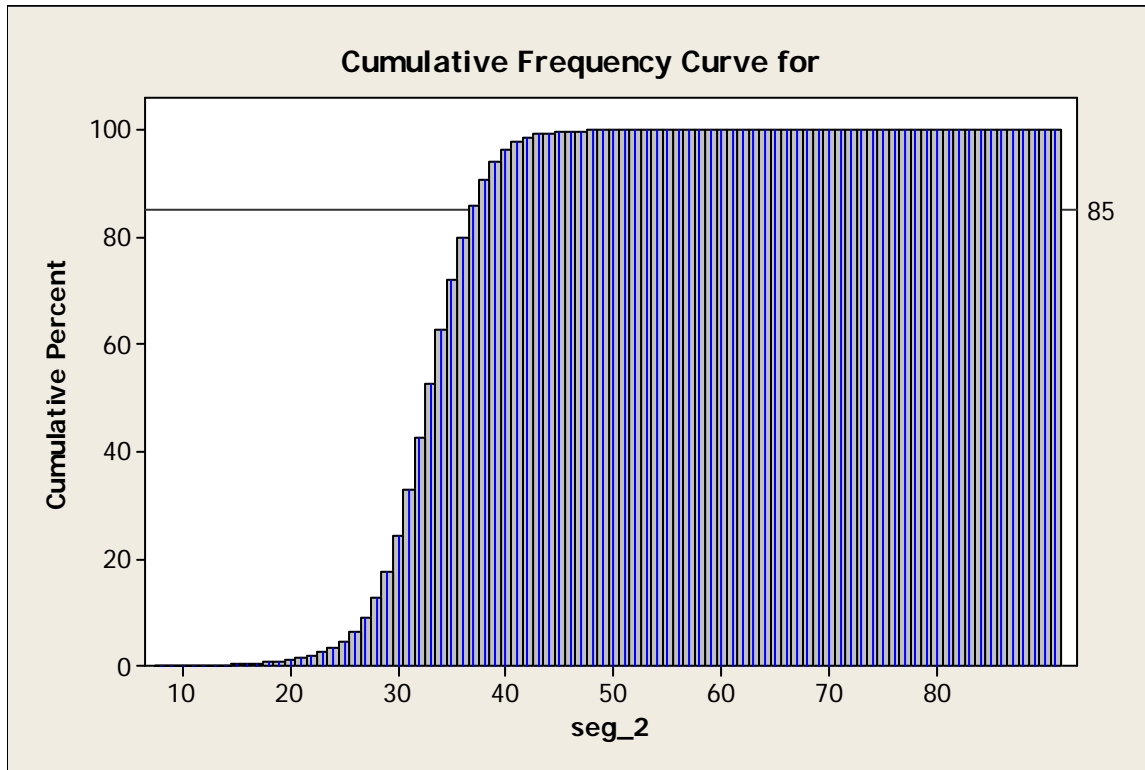
Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

Segment 2: Malabar Road to Jupiter Boulevard SE



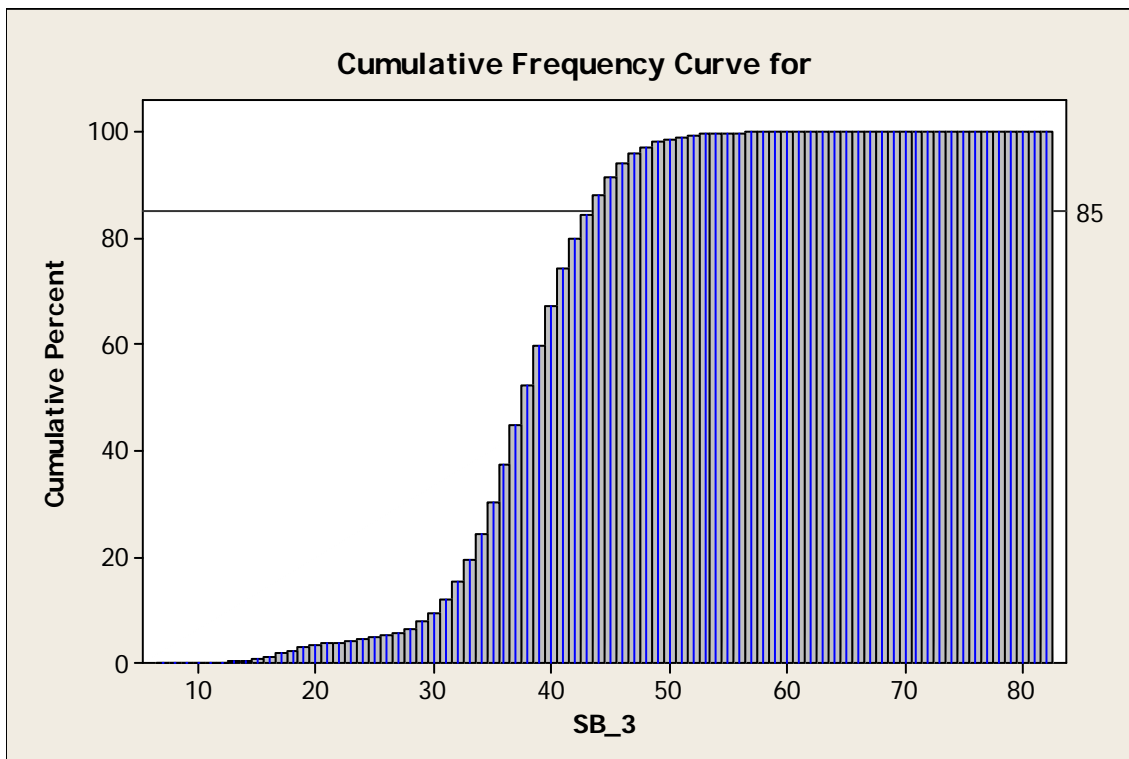
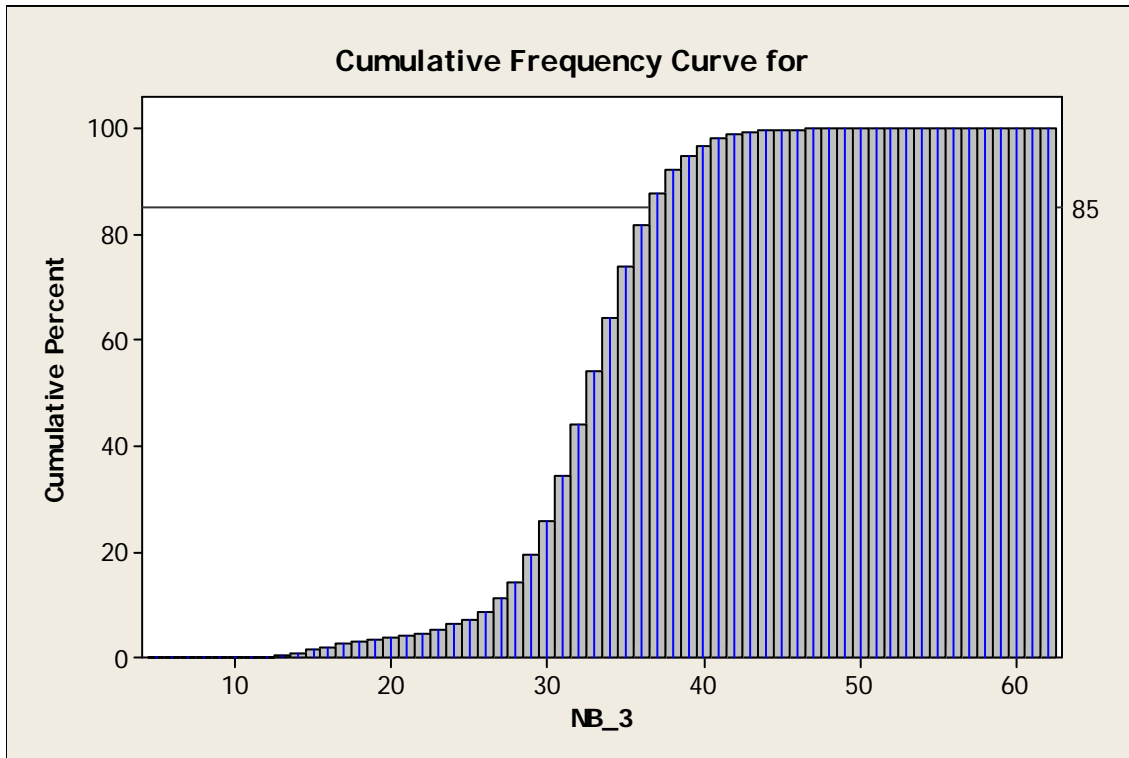
Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

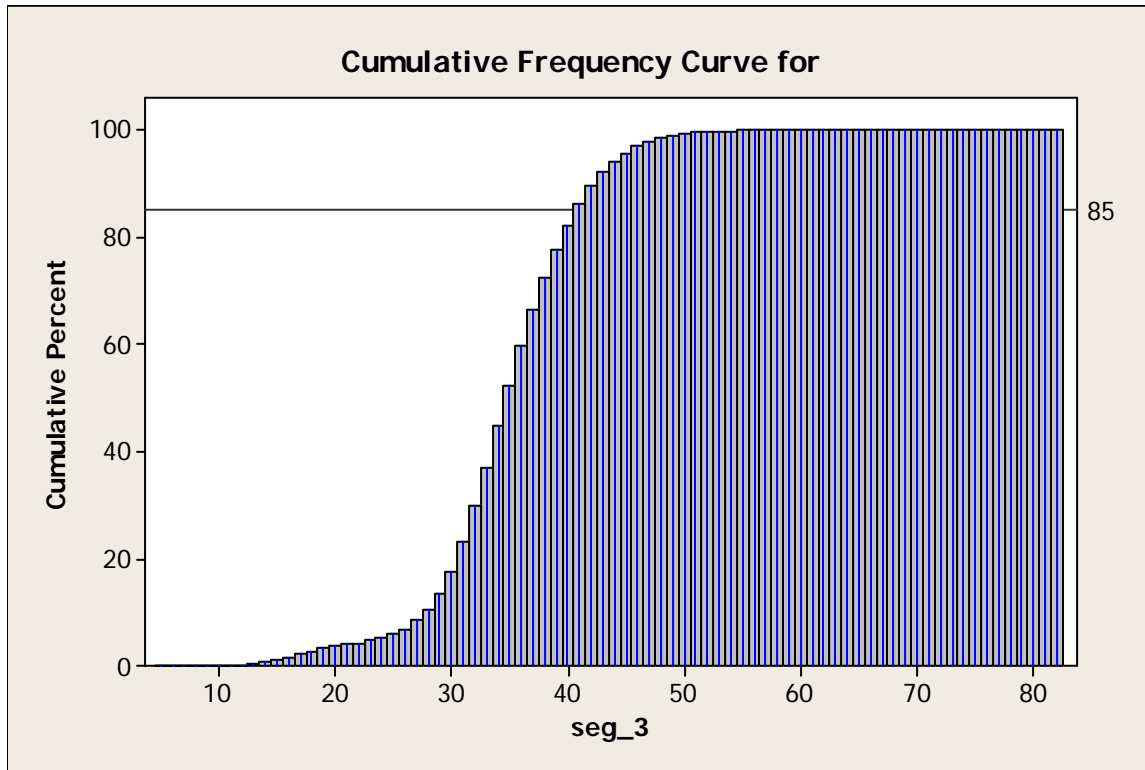


Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

Segment 3: Jupiter Boulevard SE to Malabar Road (curve)

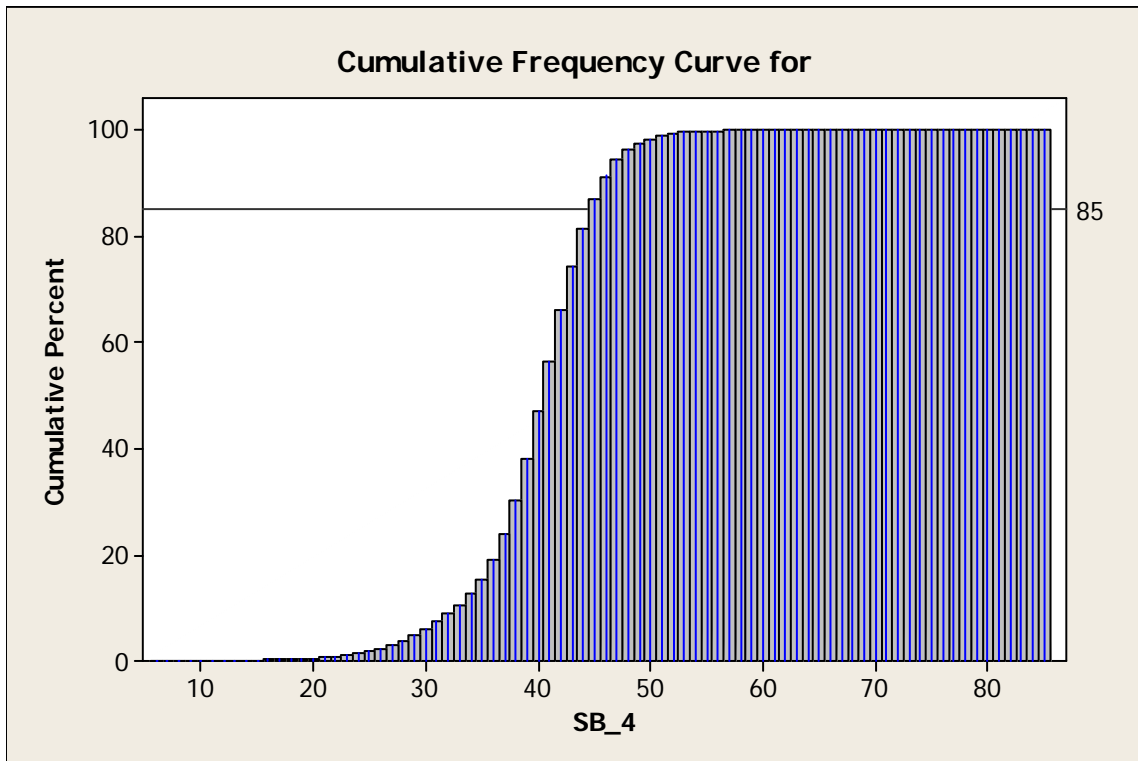
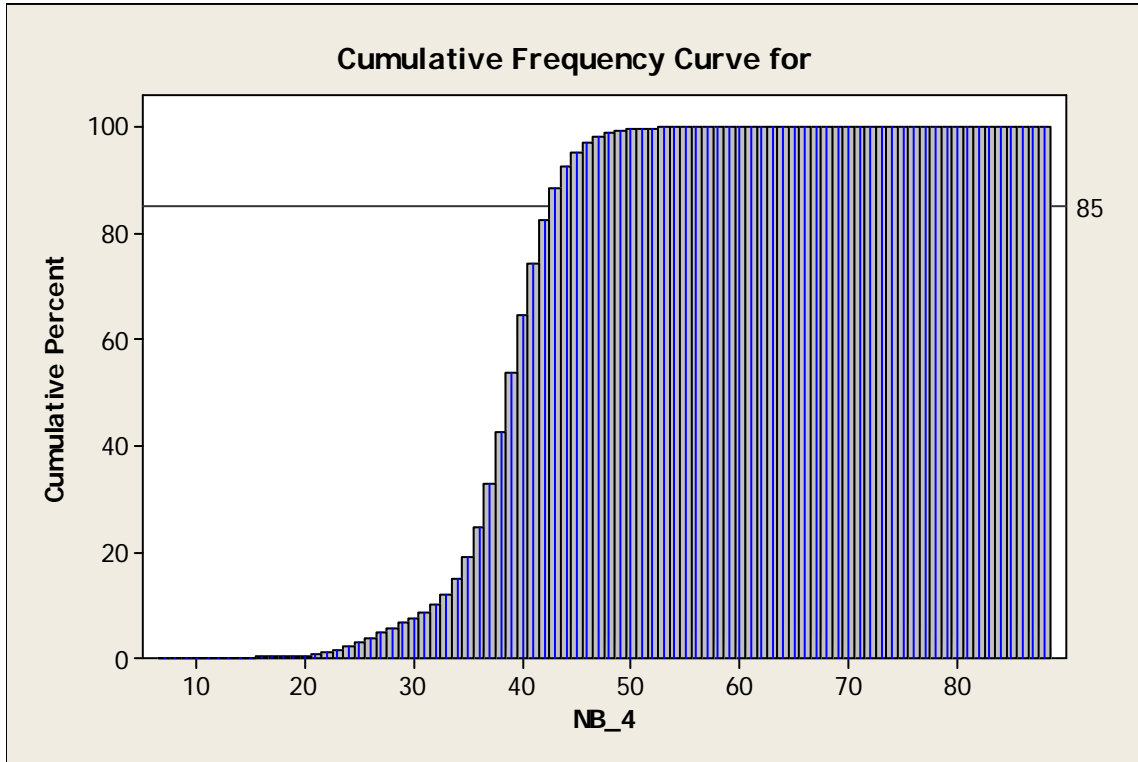


Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

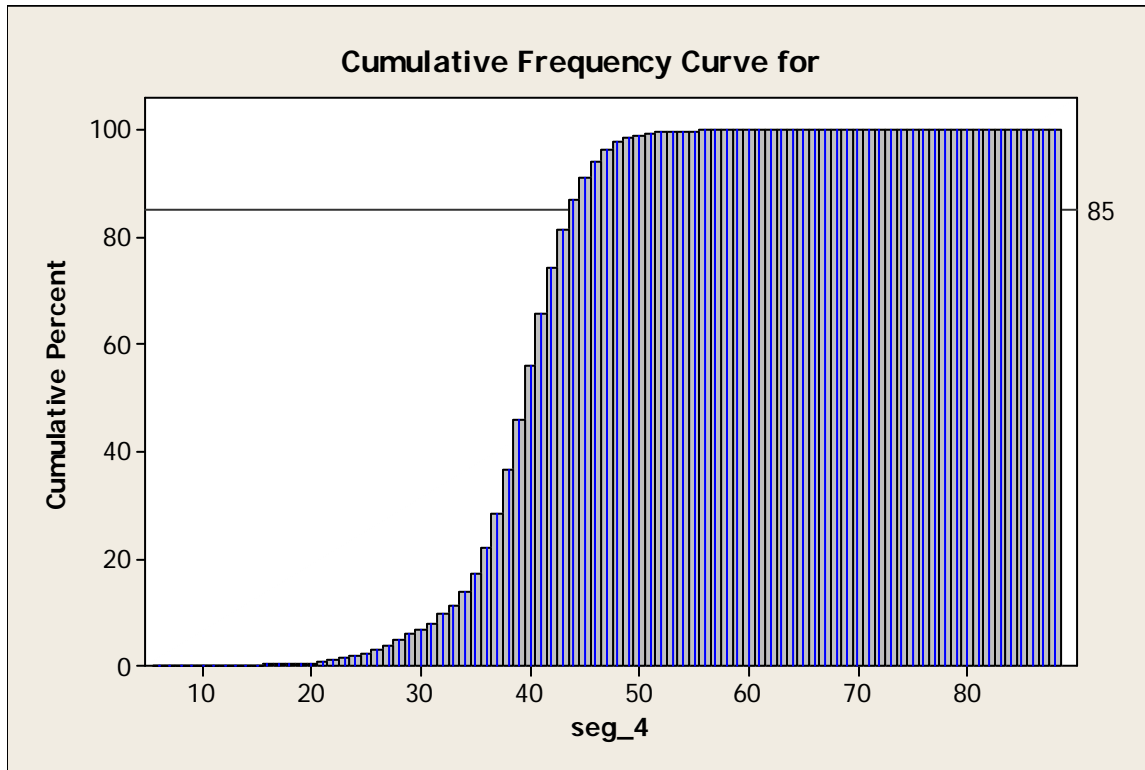


Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

Segment 4: Jupiter Boulevard SE to Breakwater Street

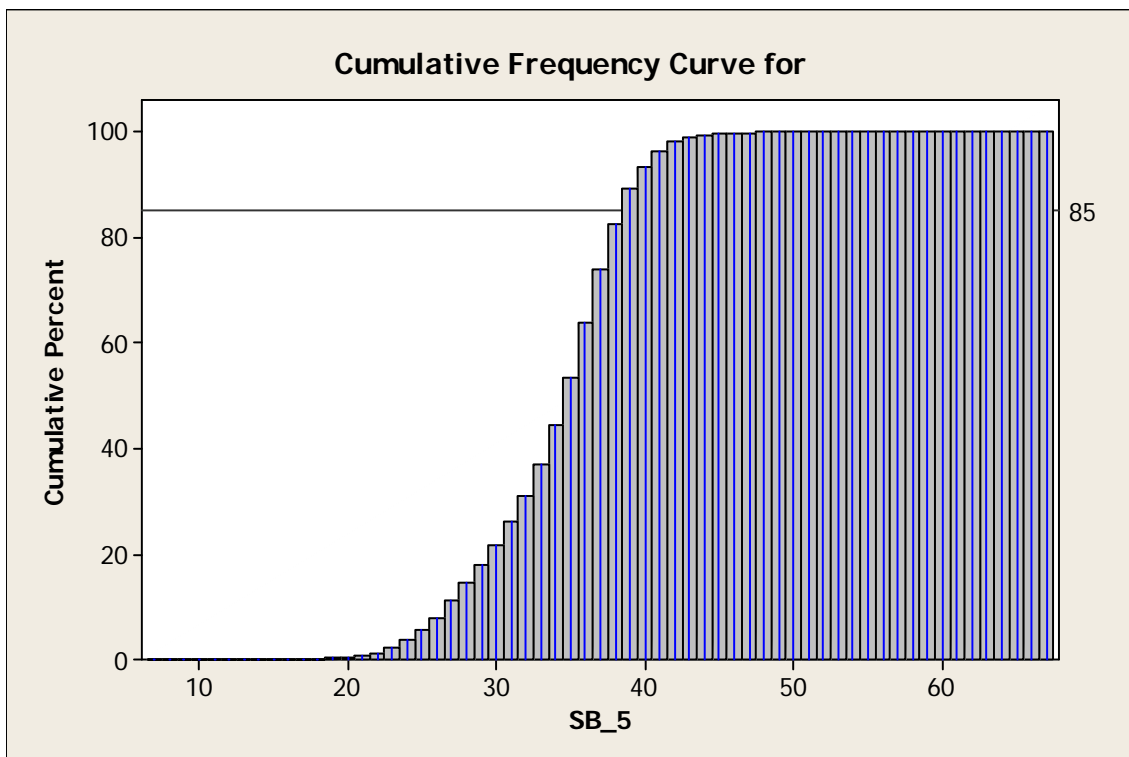
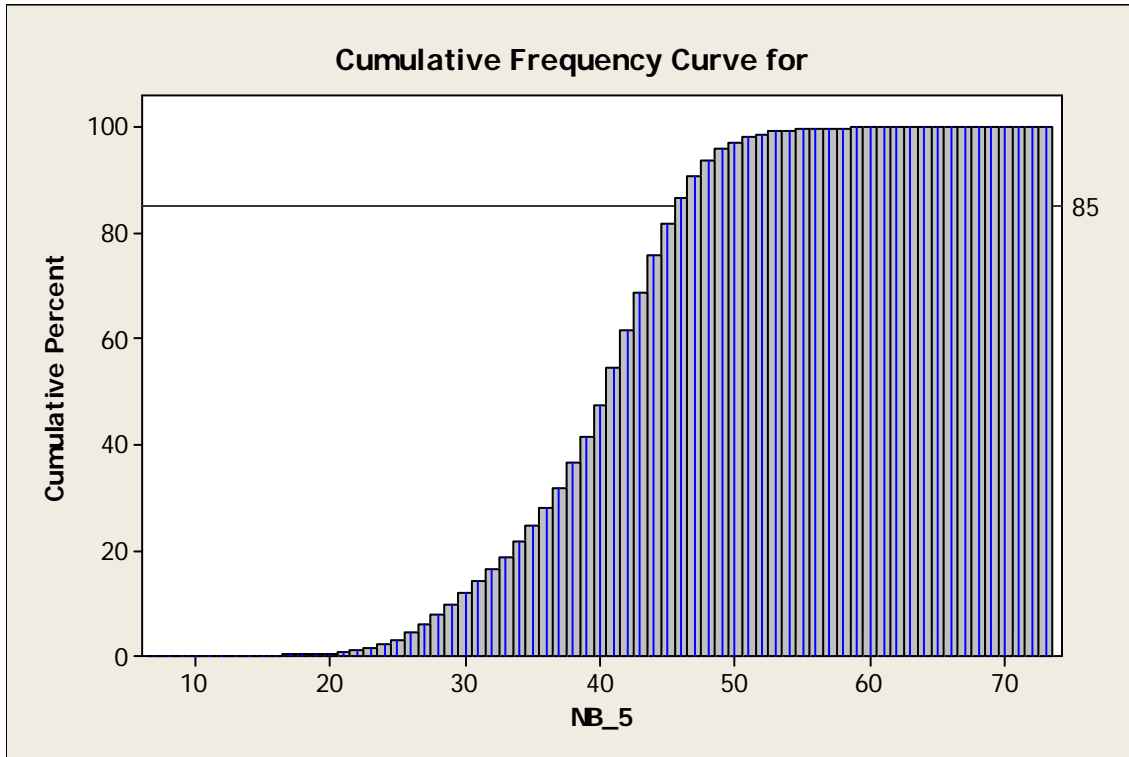


Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard



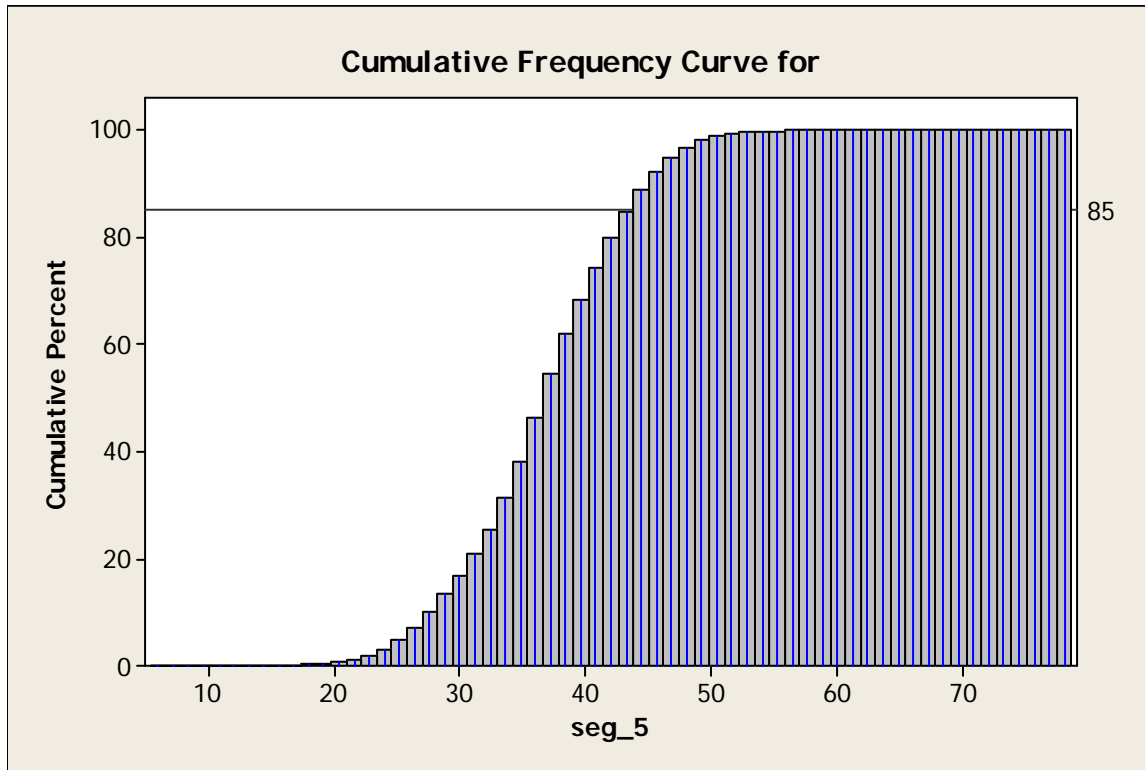
Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

Segment 5: Breakwater Street to Raleigh Road



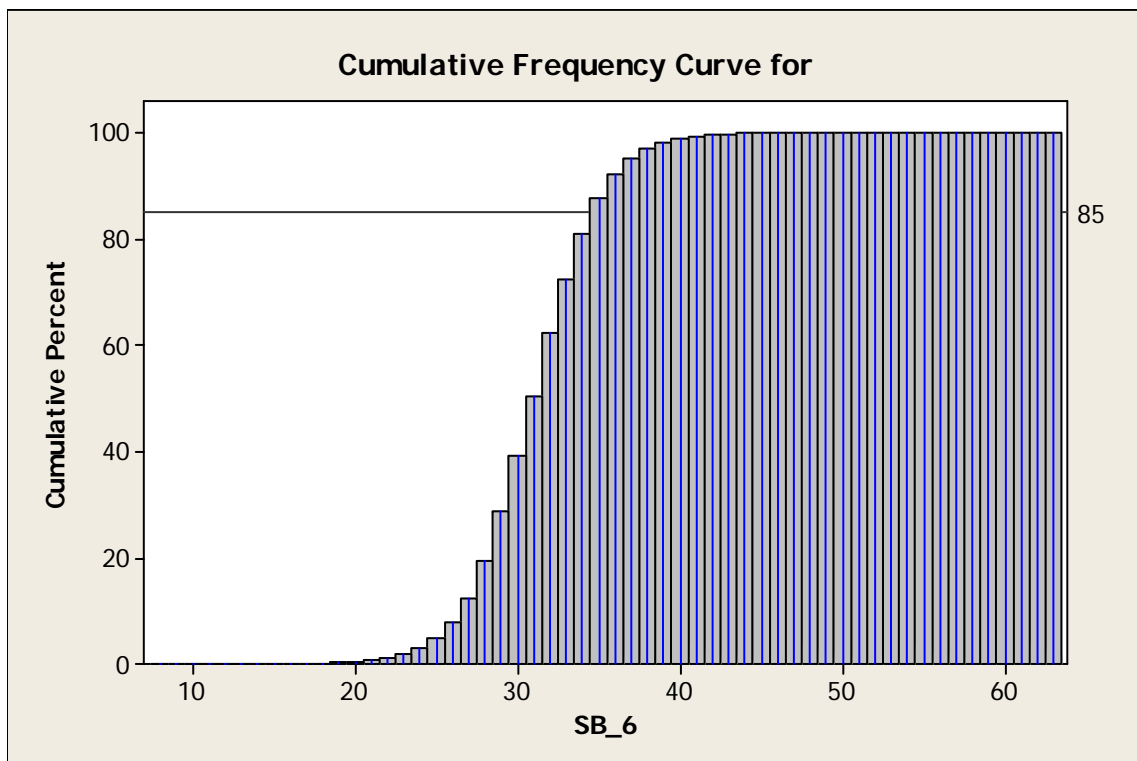
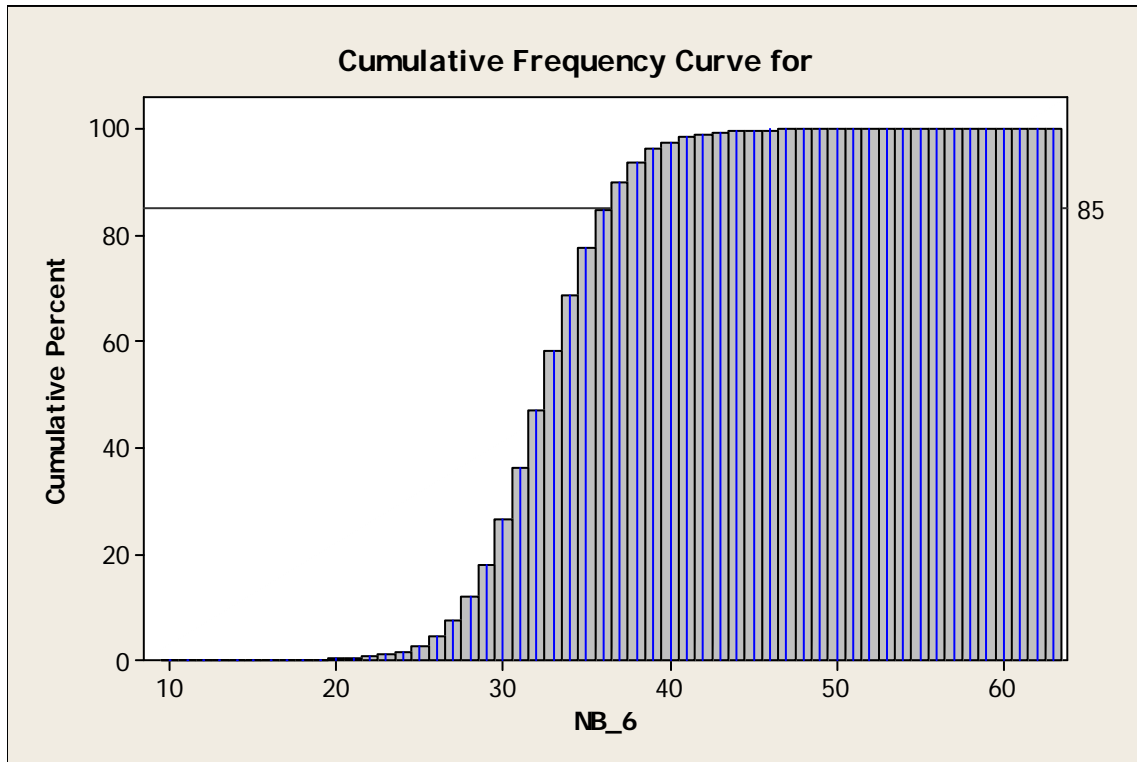
Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

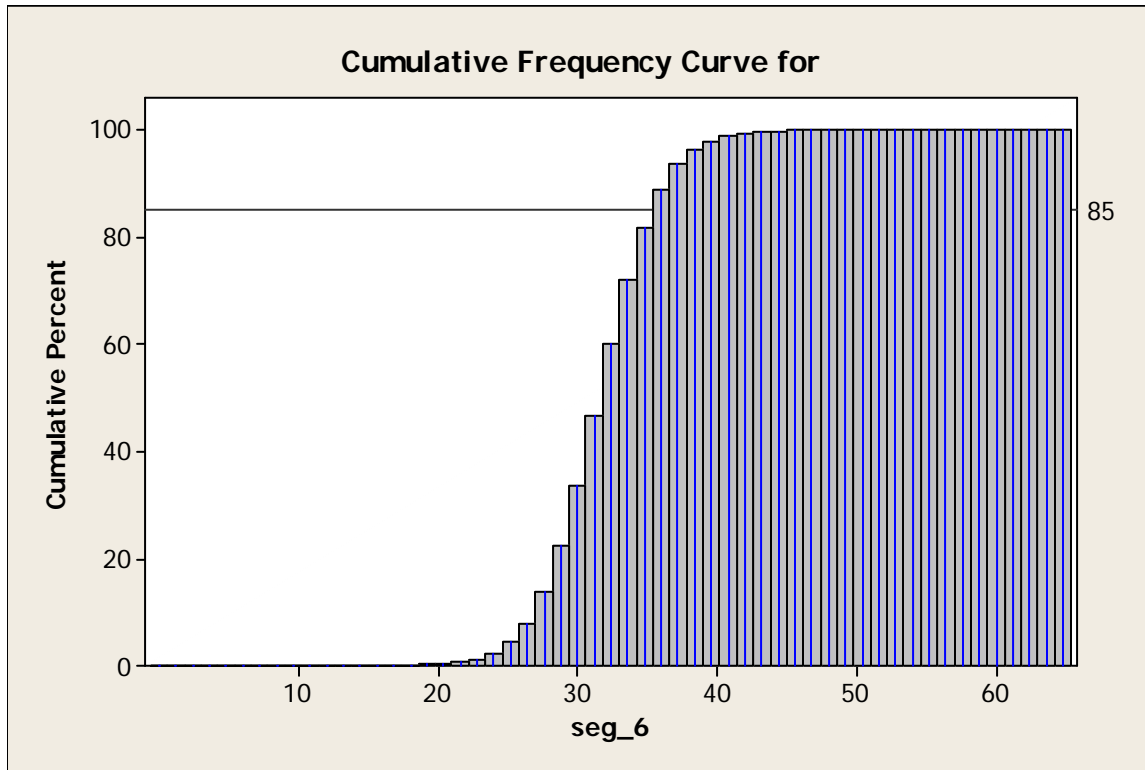


Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

Segment 6: Raleigh Road to Bayside Lakes Boulevard



Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard



Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

APPENDIX E

FDOT Table 4-1 – Average Daily Volumes

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

TABLE 4 - 1
GENERALIZED ANNUAL AVERAGE DAILY VOLUMES FOR FLORIDA'S
URBANIZED AREAS*

UNINTERRUPTED FLOW HIGHWAYS						FREEWAYS					
Level of Service						Interchange spacing ≥ 2 mi. apart					
Lanes Divided	A	B	C	D	E	Lanes	A	B	C	D	E
2 Undivided	2,200	7,600	15,000	21,300	27,100	4	23,800	39,600	55,200	67,100	74,600
4 Divided	20,400	33,000	47,800	61,800	70,200	6	36,900	61,100	85,300	103,600	115,300
6 Divided	30,500	49,500	71,600	92,700	105,400	8	49,900	82,700	115,300	140,200	156,000
STATE TWO-WAY ARTERIALS						Interchange spacing < 2 mi. apart					
Class I (>0.00 to 1.99 signalized intersections per mile)						Level of Service					
Lanes Divided	A	B	C	D	E	Lanes	A	B	C	D	E
2 Undivided	***	4,200	13,800	16,400	16,900	4	22,000	36,000	52,000	67,200	76,500
4 Divided	4,800	29,300	34,700	35,700	***	6	34,800	56,500	81,700	105,800	120,200
6 Divided	7,300	44,700	52,100	53,500	***	8	47,500	77,000	111,400	144,300	163,900
8 Divided	9,400	58,000	66,100	67,800	***	10	60,200	97,500	141,200	182,600	207,600
Class II (2.00 to 4.50 signalized intersections per mile)						Level of Service					
Lanes Divided	A	B	C	D	E	12	72,900	118,100	170,900	221,100	251,200
2 Undivided	***	1,900	11,200	15,400	16,300	BICYCLE MODE (Note: Level of service for the bicycle mode in this table is based on roadway geometrics at 40 mph posted speed and traffic conditions, not number of bicyclists using the facility.) (Multiply motorized vehicle volumes shown below by number of directional roadway lanes to determine two-way maximum service volumes.)					
4 Divided	***	4,100	26,000	32,700	34,500						
6 Divided	***	6,500	40,300	49,200	51,800						
8 Divided	***	8,500	53,300	63,800	67,000						
Class III (more than 4.5 signalized intersections per mile and not within primary city central business district of an urbanized area over 750,000)						Level of Service					
Lanes Divided	A	B	C	D	E	Paved Shoulder/ Bicycle Lane Coverage Level of Service					
2 Undivided	***	***	5,300	12,600	15,500						
4 Divided	***	***	12,400	28,900	32,800						
6 Divided	***	***	19,500	44,700	49,300						
8 Divided	***	***	25,800	58,700	63,800	PEDESTRIAN MODE (Note: Level of service for the pedestrian mode in this table is based on roadway geometrics at 40 mph posted speed and traffic conditions, not number of pedestrians using the facility.) (Multiply motorized vehicle volumes shown below by number of directional roadway lanes to determine two-way maximum service volumes.)					
Class IV (more than 4.5 signalized intersections per mile and within primary city central business district of an urbanized area over 750,000)											
Lanes Divided	A	B	C	D	E						
2 Undivided	***	***	5,200	13,700	15,000						
4 Divided	***	***	12,300	30,300	31,700	Level of Service					
6 Divided	***	***	19,100	45,800	47,600						
8 Divided	***	***	25,900	59,900	62,200	BUS MODE (Scheduled Fixed Route) Level of Service (Buses per hour) (Note: Buses per hour shown are only for the peak hour in the single direction of the higher traffic flow.)					
NON-STATE ROADWAYS											
Major City/County Roadways											
Lanes Divided	A	B	C	D	E						
2 Undivided	***	***	9,100	14,600	15,600	Level of Service					
4 Divided	***	***	21,400	31,100	32,900						
6 Divided	***	***	33,400	46,800	49,300	ARTERIAL/NON-STATE ROADWAY ADJUSTMENTS (alter corresponding volume by the indicated percent)					
Other Signalized Roadways (signalized intersection analysis)											
Lanes Divided	A	B	C	D	E						
2 Undivided	***	***	4,800	10,000	12,600						
4 Divided	***	***	11,100	21,700	25,200	ONE-WAY FACILITIES Multiply the corresponding two-directional volumes in this table by 0.6.					
Source: Florida Department of Transportation Systems Planning Office 605 Suwannee Street, MS 19 Tallahassee, FL 32399-0450 http://www.dot.state.fl.us/planning/systems/sm/1os/default.htm											
Date: 05/17/07											
* Values shown are presented as two-way annual average daily volumes for levels of service and are for the automobile/truck modes unless specifically stated. Although presented as daily volumes, they actually represent peak hour direction conditions with applicable K and D factors applied. This table does not constitute a standard and should be used only for general planning applications. The computer models from which this table is derived should be used for more specific planning applications. The table and deriving computer models should not be used for corridor or intersection design, where more refined techniques exist. Level of service letter grade thresholds are probably not comparable across modes and, therefore, cross modal comparisons should be made with caution. Furthermore, combining levels of service of different modes into one overall roadway level of service is not recommended. Calculations are based on planning applications of the Highway Capacity Manual, Bicycle LOS Model, Pedestrian LOS Model and Transit Capacity and Quality of Service Manual, respectively for the automobile/truck, bicycle, pedestrian and bus modes. ** Cannot be achieved using table input value defaults. *** Not applicable for that level of service letter grade. For automobile/truck modes, volumes greater than level of service D become F because intersection capacities have been reached. For bicycle and pedestrian modes, the level of service letter grade (including F) is not achievable, because there is no maximum vehicle volume threshold using table input value defaults.											

Speed Limit Study
Eldron Boulevard NE & SE Between
Americana Boulevard NE and Bayside Lakes Boulevard

APPENDIX F

Crash Record Summary

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

INTERSECTING STREET	Total Crashes	TYPE OF CRASH						CONTRIBUTING CAUSE							
		Rear End	Right Turn	Left Turn	Side Swipe	Angle	Run off Road	Other	Careless Driving	FTYROW	Improper Lane Change	Excess Speed	Other		
MALABAR	3	1			1		1						2		
DOLPHIN	1					1									
BUZBY	1	1													
JUPITER	4	3	1									1		1	2
BALI	2	2													1
BLUEFIELDS	2	2													
BRICKELL	2			1	1								2		
COCOA	2				1	1							1		
BRANTLEY	2	2													
COLLINGS	1	1													
ORTEGA	1	1													
BREAKWATER	1								1					1	
VIN ROSE	1								1					1	
ABELLO	2	2												2	
DAVIDSON	2	2												2	
ARANGO	1								1						
BAYSIDE LAKES	2	1							1						
MISC STREETS	6	3												2	2
MISC ADDRESSES	2		1					1							
Totals	38	21	1	2	2	6	3	3	17	13	1	1	6		

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION:		Eldron					S.R NO. :					
INTERSECTING ROUTE:		MALABAR					M.P. :		ENGINEER: Ofosu			
STUDY PERIOD FRO		1-Jun-06			TO:		28-Jul-10		COUNTY: BREVARD			
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
70	1/20/2009	TUE	8:30 AM	SIDE SWIPE			\$3,000	DAY	DRY	FTYRW		
47	1/29/2010	FRI	9:19 AM	REAR END		1	\$8,000	DAY	DRY	CARELESS DRIVING		
33	7/22/2010	THU	4:37 PM	HEAD ON			\$4,000	DAY	DRY	FTYRW		
TOTAL					0	1	\$15,000					
CRASH TYPES												
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
3	0	1	2	0	0	0	0	1	1	0	1	0
	0%	33%	67%	0%	0%	0%	0%	33%	33%	0%	33%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY	DRIVING	DRIVING						
	0	0	0	3	0	1	2	0	0	0	0	0
#VALUE!	0%	0%	0%	100%	0%	33%	67%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION:		Eldron				S.R NO. :						
INTERSECTING ROUTE:		DOLPHIN				M.P. :			ENGINEER: Ofosu			
STUDY PERIOD FRO		1-Jun-06		TO:		28-Jul-10		COUNTY:		BREVARD		
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
41	4/21/2010	WED	6:06 AM	RAN OFF ROAD			\$300	NIGHT	WET	CARELESS DRIVING		
TOTAL					0	0	\$300					
CRASH TYPES												
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
1	0	0	1	0	0	0	0	0	0	1	0	0
	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY	DRIVING	DRIVING						
	0	1	1	0	0	1	0	0	0	0	0	0
#VALUE!	0%	100%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION:		Eldron			S.R NO. :							
INTERSECTING ROUTE:		BUZBY			M.P. :				ENGINEER:		Ofosu	
STUDY PERIOD FRO		1-Jun-06		TO:		28-Jul-10		COUNTY:		BREVARD		
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
54	11/13/2009	FRI	8:26 AM	REAR END		1	\$3,500	DAY	DRY	CARELESS DRIVING		
TOTAL					0	1	\$3,500					
CRASH TYPES												
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
1	0	1	0	0	0	0	0	1	0	0	0	0
	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY								
	0	0	0	1	0	1	0	0	0	0	0	0
#VALUE!	0%	0%	0%	100%	0%	100%	0%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION:		Eldron					S.R NO. :					
INTERSECTING ROUTE:		JUPITER					M.P. :		ENGINEER: Ofosu			
STUDY PERIOD FRO		1-Jun-06			TO:		28-Jul-10		COUNTY: BREVARD			
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
68	1/30/2009	FRI	11:21 PM	RIGHT TURN			\$2,000	NIGHT	DRY	IMPR. LANE CHANGE		
58	9/13/2009	SUN	3:47 PM	REAR END			\$1,500	DAY	WET	EXCESS SPEED		
48	1/22/2010	FRI	7:19 AM	REAR END			\$1,000	DAY	DRY	OTHER		
36	5/17/2010	MON	5:15 PM	REAR END			\$1,500	DAY	DRY	OTHER		
TOTAL					0	0	\$6,000					
CRASH TYPES												
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
4	0	0	4	0	0	0	1	3	0	0	0	0
	0%	0%	100%	0%	0%	0%	25%	75%	0%	0%	0%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY								
	0	1	1	3	0	0	0	1	0	0	1	2
#VALUE!	0%	25%	25%	75%	0%	0%	0%	25%	0%	0%	25%	50%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY													
LOCATION: Eldron						S.R NO. :							
INTERSECTING ROUTE: BALI						M.P. :			ENGINEER: Ofosu				
STUDY PERIOD FRO 1-Jun-06						TO: 28-Jul-10			COUNTY: BREVARD				
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE			
69	1/30/2009	FRI	4:27 PM	REAR END			\$4,000	DAY	DRY	OTHER			
37	5/10/2010	MON	3:51 PM	REAR END			\$9,000	DAY	DRY	CARELESS DRIVING			
TOTAL					0	0	\$13,000						
CRASH TYPES													
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER	
2	0	0	2	0	0	0	0	2	0	0	0	0	
	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	
CONTRIBUTING CAUSE													
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER	
	DAY	NIGHT	WET	DRY									
	0	0	0	2	0	1	0	0	0	0	0	1	
#VALUE!	0%	0%	0%	100%	0%	50%	0%	0%	0%	0%	0%	50%	

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION:		Eldron					S.R NO. :					
INTERSECTING ROUTE:		BLUEFIELDS					M.P. :		ENGINEER: Ofosu			
STUDY PERIOD FRO		1-Jun-06			TO:		28-Jul-10		COUNTY: BREVARD			
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
67	3/2/2009	MON	6:48 PM	REAR END		1	\$4,000	NIGHT	DRY	CARELESS DRIVING		
103	3/10/2010	WED	4:34 PM	REAR END			\$1,500	DAY	DRY	CARELESS DRIVING		
TOTAL					0	1	\$5,500					
CRASH TYPES												
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
2	0	1	1	0	0	0	0	2	0	0	0	0
	0%	50%	50%	0%	0%	0%	0%	100%	0%	0%	0%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRV	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY								
	0	1	0	2	0	2	0	0	0	0	0	0
#VALUE!	0%	50%	0%	100%	0%	100%	0%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION:		Eldron			S.R NO. :							
INTERSECTING ROUTE:		BRICKELL			M.P. :		ENGINEER:		Ofosu			
STUDY PERIOD FRO		1-Jun-06		TO:		28-Jul-10		COUNTY:		BREVARD		
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
38	5/5/2010	WED	8:16 PM	SIDE SWIPE			\$1,000	NIGHT	DRY	FTYRW		
34	7/10/2010	SAT	5:05 PM	LEFT TURN			\$13,000	DAY	DRY	FTYRW		
TOTAL					0	0	\$14,000					
				CRASH TYPES								
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
2	0	0	2	0	0	1	0	0	1	0	0	0
	0%	0%	100%	0%	0%	50%	0%	0%	50%	0%	0%	0%
				CONTRIBUTING CAUSE								
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY	DRIVING	DRIVING	FTYRW	CHANGE				
	0	1	0	2	0	0	2	0	0	0	0	0
#VALUE!	0%	50%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION:		Eldron				S.R NO. :						
INTERSECTING ROUTE:		COCOA				M.P. :		ENGINEER: Ofosu				
STUDY PERIOD FRO		1-Jun-06		TO:		28-Jul-10		COUNTY: BREVARD				
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	VET DRY	CONTRIBUTING CAUSE		
64	5/9/2009	SAT	5:59 PM	RAN OFF ROAD			\$2,000	DAY	DRY	CARELESS DRIVING		
51	12/14/2009	MON	1:17 PM	ANGLE		1	\$10,000	DAY	DRY	FTYRW		
TOTAL					0	1	\$12,000					
				CRASH TYPES								
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
2	0	1	1	0	1	0	0	0	0	1	0	0
	0%	50%	50%	0%	50%	0%	0%	0%	0%	50%	0%	0%
				CONTRIBUTING CAUSE								
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY								
#VALUE!	0	0	0	2	0	1	1	0	0	0	0	0
	0%	0%	0%	100%	0%	50%	50%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION: Eldron				S.R NO. :								
INTERSECTING ROUTE: BRANTLEY				M.P. :				ENGINEER: Ofosu				
STUDY PERIOD FRO 1-Jun-06				TO: 28-Jul-10				COUNTY: BREVARD				
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
65	5/7/2009	THU	3:35 PM	REAR END			\$2,000	DAY	DRY	CARELESS DRIVING		
61	8/19/2009	WED	4:56 PM	REAR END			\$1,000	DAY	DRY	CARELESS DRIVING		
TOTAL					0	0	\$3,000					
CRASH TYPES												
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
2	0	0	2	0	0	0	0	2	0	0	0	0
	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY								
#VALUE!	0	0	0	2	0	2	0	0	0	0	0	0
	0%	0%	0%	100%	0%	100%	0%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION: Eldron						S.R NO. :						
INTERSECTING ROUTE: COLLINGS						M.P. :			ENGINEER: Ofosu			
STUDY PERIOD FRO 1-Jun-06						TO: 28-Jul-10			COUNTY: BREYARD			
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
59	8/29/2009	SAT	12:26 PM	REAR END			\$2,000	DAY	DRY	CARELESS DRIVING		
TOTAL					0	0	\$2,000					
CRASH TYPES												
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
1	0	0	1	0	0	0	0	1	0	0	0	0
	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY								
	0	0	0	1	0	1	0	0	0	0	0	0
#VALUE!	0%	0%	0%	100%	0%	100%	0%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION:		Eldron			S.R NO. :							
INTERSECTING ROUTE:		ORTEGA			M.P. :		ENGINEER:		Ofosu			
STUDY PERIOD FRO		1-Jun-06			TO:		28-Jul-10		COUNTY:		BREVARD	
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
6	8/26/2009	WED	4:39 PM	REAR END			\$1,500	DAY	DRY	CARELESS DRIVING		
TOTAL					0	0	\$1,500					
TOTAL CRASHES				CRASH TYPES								
FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER	
1	0	1	0	0	0	0	1	0	0	0	0	
0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRV	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY	DRIVING	DRIVING						
	0	0	0	1	0	1	0	0	0	0	0	0
#VALUE!	0%	0%	0%	100%	0%	100%	0%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION:		Eldron				S.R NO. :						
INTERSECTING ROUTE:		BREAKWATER				M.P. :		ENGINEER: Ofosu				
STUDY PERIOD FRO		1-Jun-06		TO:		28-Jul-10		COUNTY: BREVARD				
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
42	4/10/2010	SAT	1:28 PM	ANGLE		1	\$15,000	DAY	DRY	FTYRW		
TOTAL					0	1	\$15,000					
CRASH TYPES												
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
1	0	1	0	0	1	0	0	0	0	0	0	0
	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY								
	0	0	0	1	0	0	1	0	0	0	0	0
#VALUE!	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION: Eldron						S.R NO. :						
INTERSECTING ROUTE: VIN ROSE						M.P. :			ENGINEER: Ofosu			
STUDY PERIOD FRO 1-Jun-06			TO: 28-Jul-10			COUNTY: BREYARD						
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
63	5/26/2009	TUE	1:40 PM	ANGLE			\$10,500	DAY	DRY	FTYRW		
TOTAL					0	0	\$10,500					
CRASH TYPES												
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
1	0	0	1	0	1	0	0	0	0	0	0	0
	0%	0%	100%	0%	100%	0%	0%	0%	0%	0%	0%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY								
1	0	0	1	0	0	0	1	0	0	0	0	0
#VALUE!	100%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%

Speed Limit Study
 Eldron Boulevard NE & SE Between
 Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION: Eldron				S.R NO. :								
INTERSECTING ROUTE: ABELLO				M.P. :				ENGINEER: Ofosu				
STUDY PERIOD FRO 1-Jun-06				TO: 28-Jul-10				COUNTY: BREVARD				
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
66	4/17/2009	FRI	4:54 PM	REAR END			\$3,000	DAY	DRY	CARELESS DRIVING		
55	10/12/2009	MON	3:54 PM	REAR END			\$700	DAY	DRY	CARELESS DRIVING		
TOTAL					0	0	\$3,700					
CRASH TYPES												
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
2	0	0	2	0	0	0	0	2	0	0	0	0
	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRV	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY								
#VALUE!	0	0	0	2	0	2	0	0	0	0	0	0
	0%	0%	0%	100%	0%	100%	0%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION:		Eldron				S.R NO. :						
INTERSECTING ROUTE:		DAVIDSON				M.P. :		ENGINEER: Ofosu				
STUDY PERIOD FRO		1-Jun-06		TO:		28-Jul-10		COUNTY: BREVARD				
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	VET DRY	CONTRIBUTING CAUSE		
57	9/26/2009	SAT	12:07 PM	REAR END			\$1,500	DAY	DRY	CARELESS DRIVING		
56	9/30/2009	WED	5:23 PM	REAR END			\$7,000	DAY	DRY	CARELESS DRIVING		
TOTAL					0	0	\$7,000					
				CRASH TYPES								
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
1	0	0	1	0	0	0	0	1	0	0	0	0
	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRV	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY								
#VALUE!	0	0	0	1	0	1	0	0	0	0	0	0
	0%	0%	0%	100%	0%	100%	0%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between

Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION:			Eldron				S.R NO. :					
INTERSECTING ROUTE:			ARANGO				M.P. :			ENGINEER:		
STUDY PERIOD FRO			1-Jun-06		TO:		28-Jul-10		COUNTY:			BREVARD
CRASH REF. NO.		DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE	
35		7/1/2010	THU	5:44 PM	ANGLE			\$23,500	DAY	DRY	FTYRW	
TOTAL						0	0	\$23,500				
CRASH TYPES												
TOTAL	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
1	0	0	1	0	1	0	0	0	0	0	0	0
	0%	0%	100%	0%	100%	0%	0%	0%	0%	0%	0%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY								
	0	0	0	1	0	0	1	0	0	0	0	0
#VALUE!	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY												
LOCATION:		Eldron					S.R NO. :					
INTERSECTING ROUTE:		BAYSIDE LAKES					M.P. :		ENGINEER: Ofosu			
STUDY PERIOD FRO		1-Jun-06			TO:		28-Jul-10		COUNTY: BREVARD			
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE		
46	2/20/2010	SAT	10:16 AM	REAR END			\$1,500	DAY	DRY	OTHER		
40	4/23/2010	FRI	7:40 AM	ANGLE			\$5,000	DAY	DRY	FTYRW		
TOTAL					0	0	\$6,500					
CRASH TYPES												
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER
2	0	0	2	0	1	0	0	1	0	0	0	0
	0%	0%	100%	0%	50%	0%	0%	50%	0%	0%	0%	0%
CONTRIBUTING CAUSE												
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER
	DAY	NIGHT	WET	DRY	DRIVING	DRIVING						
	0	0	0	2	0	0	1	0	0	0	0	1
#VALUE!	0%	0%	0%	100%	0%	0%	50%	0%	0%	0%	0%	50%

Speed Limit Study

Eldron Boulevard NE & SE Between Americana Boulevard NE and Bayside Lakes Boulevard

COLLISION SUMMARY													
LOCATION: Eldron				S.R NO. :									
INTERSECTING ROUTE: MISC STREETS				M.P. :				ENGINEER: Ofosu					
STUDY PERIOD FRO 1-Jun-06				TO: 28-Jul-10				COUNTY: BREVARD					
CRASH REF. NO.	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURY	PROPERTY DAMAGE	DAY NIGHT	WET DRY	CONTRIBUTING CAUSE			
53	11/17/2009	TUE	6:02 PM	REAR END			\$750	NIGHT	DRY	CARELESS DRIVING			
50	12/21/2009	MON	3:39 PM	PED/BIKE		1	\$1,200	DAY	DRY	FTYRW			
49	12/31/2009	THU	2:23 PM	OTHER			\$9,000	DAY	DRY	CARELESS DRIVING			
45	3/9/2010	TUE	2:24 PM	REAR END			\$5,000	DAY	DRY	OTHER			
43	4/4/2010	SUN	12:54 AM	OTHER		1	\$9,000	NIGHT	DRY	FTYRW			
39	4/29/2010	THU	12:33 PM	REAR END		1	\$3,000	DAY	DRY	OTHER			
TOTAL					0	3	\$27,950						
CRASH TYPES													
TOTAL CRASHES	FATAL	INJURY	PROP. DAMAGE	PED/BIKE	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	RAN OFF ROAD	HEAD ON	OTHER	
6	0	3	3	1	0	0	0	3	0	0	0	2	
	0%	50%	50%	17%	0%	0%	0%	50%	0%	0%	0%	33%	
CONTRIBUTING CAUSE													
ONE VEHICLE	TIME OF DAY		ROAD CONDITION		NO IMPR. DRIVING	CARELESS DRIVING	FTYRW	IMPR. LANE CHANGE	DUI	DISREG. TRAFF SIGNAL	EXCESS SPEED	OTHER	
	DAY	NIGHT	WET	DRY									
#VALUE!	0	2	0	6	0	2	2	0	0	0	0	2	
	0%	33%	0%	100%	0%	33%	33%	0%	0%	0%	0%	33%	

