

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Agenda Central Florida Expressway Authority OPERATIONS COMMITTEE

**October 6, 2014
9:00 a.m.
Starling Conference Room 352**

- A. CALL TO ORDER / INTRODUCTIONS** – *Charles Ramdatt, Operations Committee Chairman*
- B. PUBLIC COMMENT**
Pursuant to Florida Statute 286.0114 (2013) the Operations Committee will allow public comment on any matter either identified on this meeting agenda as requiring action, or anticipated to come before the Committee for action in reasonable proximity to this meeting. Speakers shall be limited to three minutes per person and the assignment of one person's time to another or designation of group spokesperson shall be allowed at the discretion of the Committee Chairman.
- C. APPROVAL OF OCTOBER 22, 2013 MINUTES** – *Charles Ramdatt, Operations Committee Chairman* **(Tab 1)**
- D. BRIEFING ON TOLL OPERATIONS** – *David Wynne, Director of Toll Operations* **(Tab 2)**
- E. CUSTOMER OPINION SURVEY** – *Michelle Maikisch, Director of Public Affairs and Communication* **(Tab 3)**
- F. SPEED LIMIT ADJUSTMENT FOR S.R. 417 AND S.R. 429** - *Corey Quinn, Director of Expressway Operations* **(Tab 4)**
- G. OTHER BUSINESS**
- H. ADJOURNMENT**

TAB 1



MINUTES
ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY
OPERATIONS COMMITTEE MEETING
October 22, 2013

Committee Members Present:

R. Scott Batterson, P.E., Committee Chairman and Board Vice Chairman
Noranne Downs, P.E., Board Member

Committee Member Absent:

Sandy Hostetter, Community Member

Also Present:

Joseph A. Berenis, Deputy Executive Director of Engineering, Operations, Construction & Maintenance
Laura Kelley, Deputy Executive Director of Finance & Administration
David Wynne, Director of Toll Operations
Joann Chizlett, Director of IT
Michelle Maikisch, Director of Public Affairs & Communication
Stephen W. Austin, Atkins
Nathan Silva, Atkins
Hugh Miller, CDM Smith
Rebekah Hammond, FDOT/FTE
Darleen Mazzillo, Recording Secretary/Executive Assistant

CALL TO ORDER

The meeting was called to order at 4:30 p.m. by Committee Chairman Scott Batterson.

PUBLIC COMMENT

There was no public comment.

APPROVAL OF MINUTES

A motion was made by Ms. Downs and seconded by Mr. Batterson approve the June 4, 2013 Operations Committee minutes as presented. The motion carried unanimously; Ms. Hostetter was not present.

2040 MASTER PLAN BRIEFING

Steve Austin and Nathan Silva of Atkins presented an overview of the 2040 Master Plan Study (handout attached).

Currently we are in Phase 1 – data collection. We are meeting with stakeholders (cities, counties, agencies, landholders). We are also meeting with Board members. Phase 1 will take until the end of the year. Phase 2 will begin in early 2014.

We anticipate completion of the Master Plan by May 2014.

DISCUSSION ABOUT E-PASS MIGRATION WORKSHOP

Laura Kelley gave an update on the migration of E-PASS accounts to SunPass. We will have to address the migration eventually as part of the Centralized Customer Service Center process (July 2015). However, the Turnpike has requested that we migrate our accounts earlier to facilitate their discussions with other states as they move toward nationwide interoperability.

The migration issue is a very complex process with financial and legal implications. Ms. Kelley proposed that we have a Board workshop in the December/January time frame.

Mr. Batterson and Ms. Downs were in agreement to have a Board workshop to address the migration issue. Ms. Downs suggested that we invite the Executive Director of the Turnpike to hear their perspective.

DISCUSSION REGARDING ELIMINATION OF OOCEA DISCOUNT PROGRAM

At the last meeting, the Operations Committee directed David Wynne to come up with options for elimination of the discount program in conjunction with the Centralized Customer Service Center (CCSS) or E-PASS accounts migration.

Mr. Wynne explained two options: 1) eliminate the entire discount all at once or, 2) phase out the discount program over time. Mr. Wynne's recommendation is to eliminate the entire discount at the time we move to the CCSS or migrate the accounts.

The committee members decided to bring this issue to the Board.

UPDATE ON CUSTOMER OPINION SURVEY

Michelle Maikisch reported that the Customer Opinion Survey was launched last week. The survey was done electronically with a sample size of 10,000. We have received 1,300 responses, with a 96% satisfaction rate so far. Our goal is a 90% satisfaction rate. October 31 is the deadline to respond.

In addition to the Customer Opinion Survey, we are conducting a separate E-PASS survey by email blast. We have received 9,200 responses so far.

The results of the Customer Opinion Survey will be presented to the Board in January.

OTHER BUSINESS

Hugh Miller of CDM Smith, the Authority's Traffic & Revenue Consultant, was introduced to the committee members.

NEXT MEETING

It was decided to have the next meeting in January after the Executive Director is hired.

ADJOURNMENT

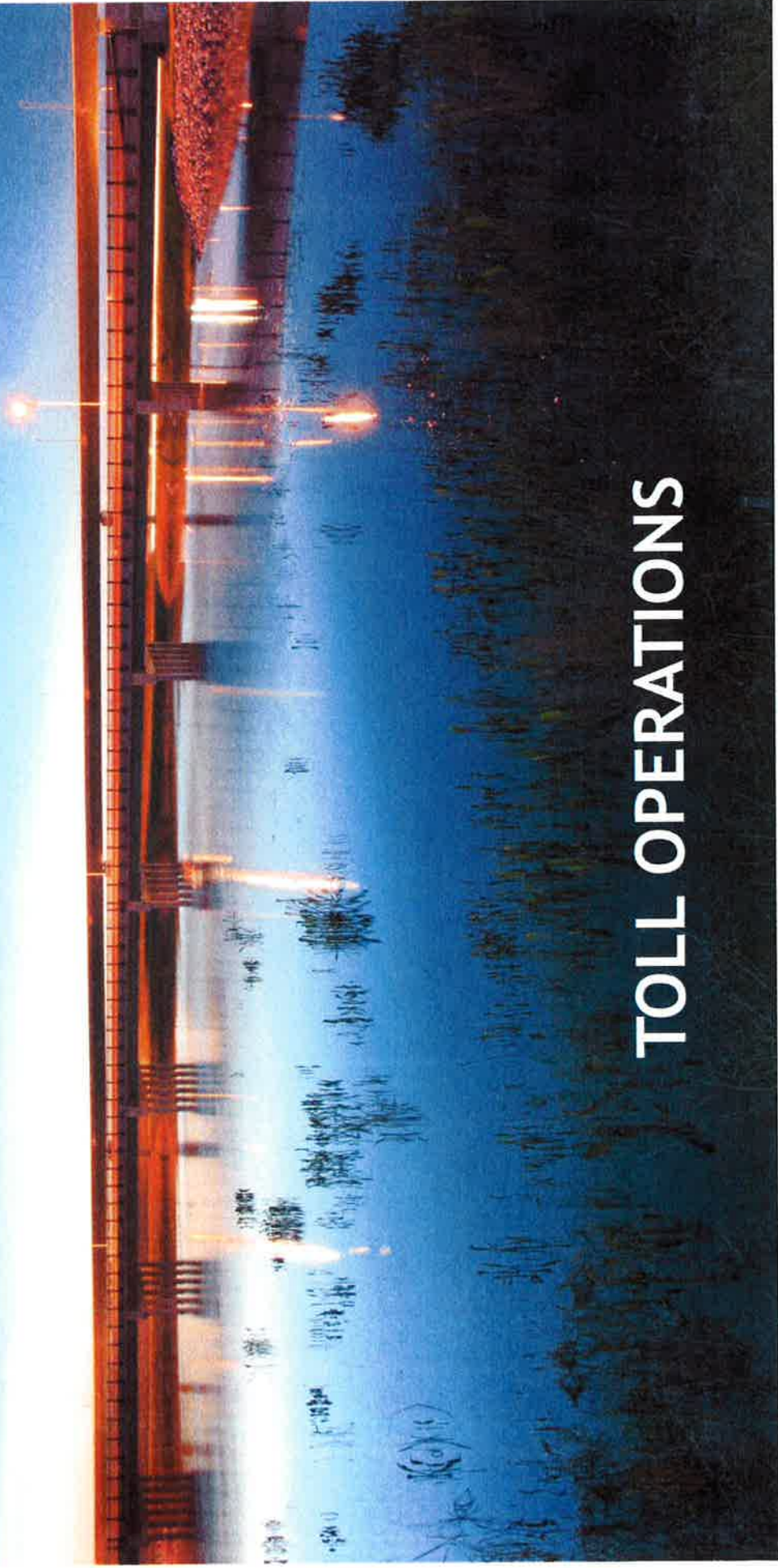
Mr. Batterson adjourned the meeting at 5:15 p.m.

Pursuant to the Florida Public Records Law and OOCEA Records Management Policy, audio tapes of all Board and applicable Committee meetings are maintained and available upon request to the Records Management Liaison Officer at publicrecords@oocea.com or 4974 ORL Tower Road, Orlando, FL 32807. Additionally, video tapes of Board meetings commencing July 25, 2012 are available at the OOCEA website, www.oocea.com.

TAB 2

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

TOLL OPERATIONS



CFX TOLL OPERATION STAFF

CFX Staff of 4

- E-PASS
 - Contractor - Xerox - Staff of 71
- Violation Enforcement Systems (VES)
 - Contractor - Xerox, Sub PRWT - Staff of 47
- Cash Collection
 - Contractor - Florida Toll Services - Staff of 337
- Toll System Hardware Maintenance
 - Contractor - Transcore - Staff of 16

Total: ~475



CFX SYSTEM OVERVIEW

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

- CFX system miles - 109
- Total tolling lanes - 307
- Mainline plazas - 14 & Goldenrod Plaza
- Ramp plazas - 64
- Open Road Tolling (ORT) lanes
- Florida Interoperable Transponder Brands
 - E-PASS, SunPass and LeeWay



AREA OF OPERATIONS

- E-PASS - Electronic Collection
- Cash Collection
- Special Projects
- Violation Enforcement Systems (VES)
- Toll System Hardware Maintenance





E-PASS OPERATIONS

85% of CFX
transactions are
electronic



- E-PASS Accounts - 287,615
- E-PASS Transponders - 524,757
- E-PASS Service Centers
 - Call Center & Back Office - CFX 2nd Floor
 - Walk-in Locations
 - 762 S. Goldenrod Road (SR 408 & Goldenrod)
 - 8919 W. Colonial Drive (SR 408 & Good Homes)



2014 E-PASS STATISTICS



- New Accounts - 13,019
- One Time Payments - 151,314
- Account Information Changes - 381,278
- Incoming Email - 27,481
- Incoming Calls - 227,943 (Avg. Wait 1:26)
- Outgoing Letters - 295,041

➤➤ 2014 CASH OPERATIONS STATISTICS

- Customer face of CFX
- Customers processed - 24,517,584
- 12% of all tolls processed





SPECIAL PROJECTS

- **Airport Parking - GOAA**
 - Pay with transponder
- **Rental Cars**
 - Third party providers for all major companies
 - Primarily image based tolling
- **Law Enforcement**
 - FHP vehicle equipped with cameras



»» 2014 SPECIAL PROJECTS STATISTICS

- **Airport Parking**
 - Process 35% of all airport parking charges
 - Parking transactions - 733,098
- **Rental Car**
 - Rental fees collected - \$756,000 FY 2014
 - Rental transactions - 2,840,736

>>> VIOLATION BUSINESS RULES

- Unpaid Toll Notice (UTN)
 - Invoice 30 days to pay
- Final Violation Notice (FVN)
 - Additional 15 days to pay
- Registration Hold
 - Stops customer from renewing registration
- Uniform Traffic Citation (UTC)
 - Requires payment or court hearing

Page 1 of 2

Reference # 0005 Val 1

Issue Date: 06/11/2014
Last Date: 06/30/2014
Invoice Path:
Total Due: \$5.20

Unpaid Toll Notice (UTN)

Vehicle	License	Violation Date/Time	Toll Amount	Fee Amount
DEARBORN, MI	1G	06/20/14 5:19:27 PM	\$1.00	\$0.00
UNL155 (MI)	1	06/20/14 5:19:27 PM	\$1.00	\$0.00
Subtotal:			\$2.00	\$0.00
Discounted Fee:				\$3.20
Total Due:				\$3.20

Reference # 000591

Unpaid Toll Notice (UTN)

Vehicle	License	Violation Date/Time	Toll Amount	Fee Amount
DEARBORN, MI	1G	06/20/14 5:19:27 PM	\$1.00	\$0.00
UNL155 (MI)	1	06/20/14 5:19:27 PM	\$1.00	\$0.00
Subtotal:			\$2.00	\$0.00
Discounted Fee:				\$3.20
Total Due:				\$3.20

Barcode



2014 VIOLATION STATISTICS

- Images Reviewed - 21,009,882
- Calls Received - 83,363
- UTNs Issued - 695,205
- FVN Letters Issued - 269,957
- UTCs Issued- 18,722
- Violation Rate - FY 2014
 - Gross 4.29%
 - Net 2.04% - Decreases based on collections

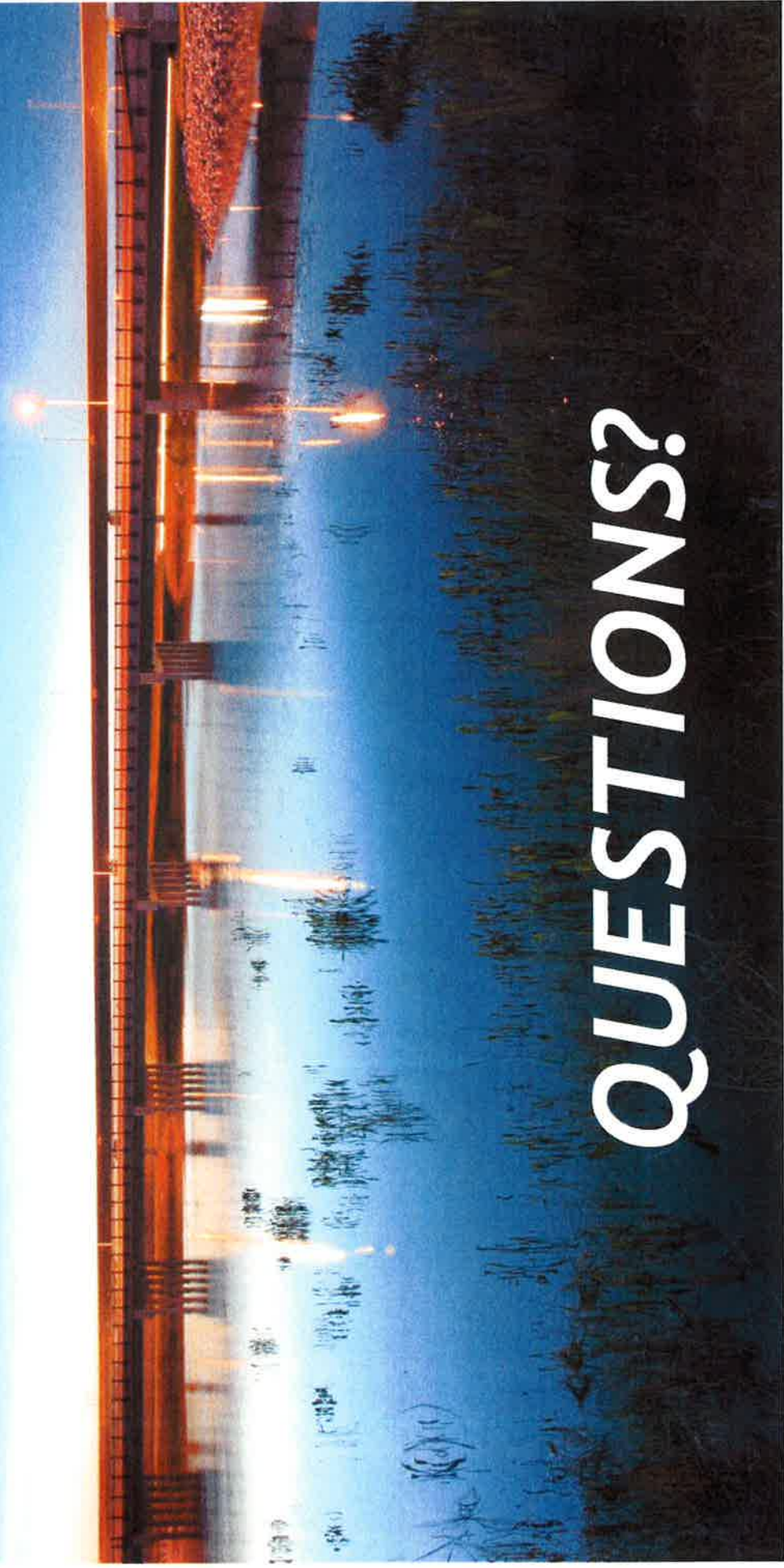


»» TOLL SYSTEM MAINTENANCE

- Perform preventative maintenance daily
- System provides notifications of issues
- Respond to issues within 2 hours
- Repair identified issues within 4 hours
- Primary causes of maintenance issues
 - Coin Machines - vandalism & coin quality
 - Electronics - lightning

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

QUESTIONS?



TAB 3

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Voice of Our Customers



COMMUNICATION:

PUBLIC INVOLVEMENT & BEYOND

AUDIENCES—

- Current/Potential Customers
- Public/Media
- Board Members
- Internal Staff

MESSAGES—

- Promote Agency
- Build Trust through Transparency
- Communicate Value - Savings, Safety & Job Creation

EVERYDAY FEEDBACK

We hear from our customers every day via:

- Customer service representatives
- Road Rangers
- Service Centers
- Email (info@CFXWay.com)
- Social Media
- Public Outreach



CUSTOMER OPINION SURVEY

Conducted every 2 years to gather opinions of E-PASS and cash customers

Report to Florida Transportation Commission

AnswerSearch Inc. - October 2013

- Online, printed surveys distributed at toll plazas
- \$50 E-PASS credits
- 1,576 responses



UNOFFICIAL SURVEY

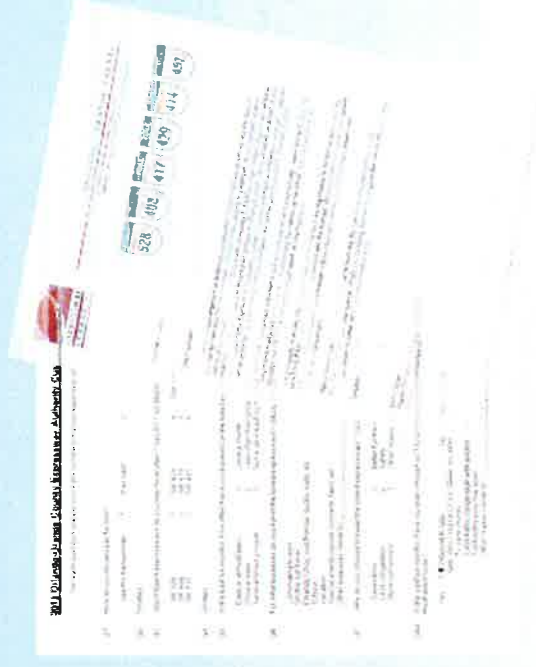
Emailed to remaining 200,000+ E-PASS customers

- 28,111 responses
- Opportunity to receive E-PASS credits
- Thousands of comments and questions currently being addressed by PIO

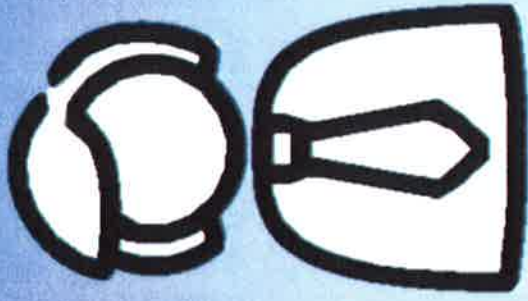


KEY FINDINGS

1. Time savings are important
2. High satisfaction with the E-PASS program
3. High likelihood of recommending E-PASS
4. Prefer tolls over taxes
5. CFX roads are:
 - Faster than others
 - Well maintained
 - Safer



WHO ARE OUR CUSTOMERS?



MALE

E-PASS: 52%

CASH: 45%

VS



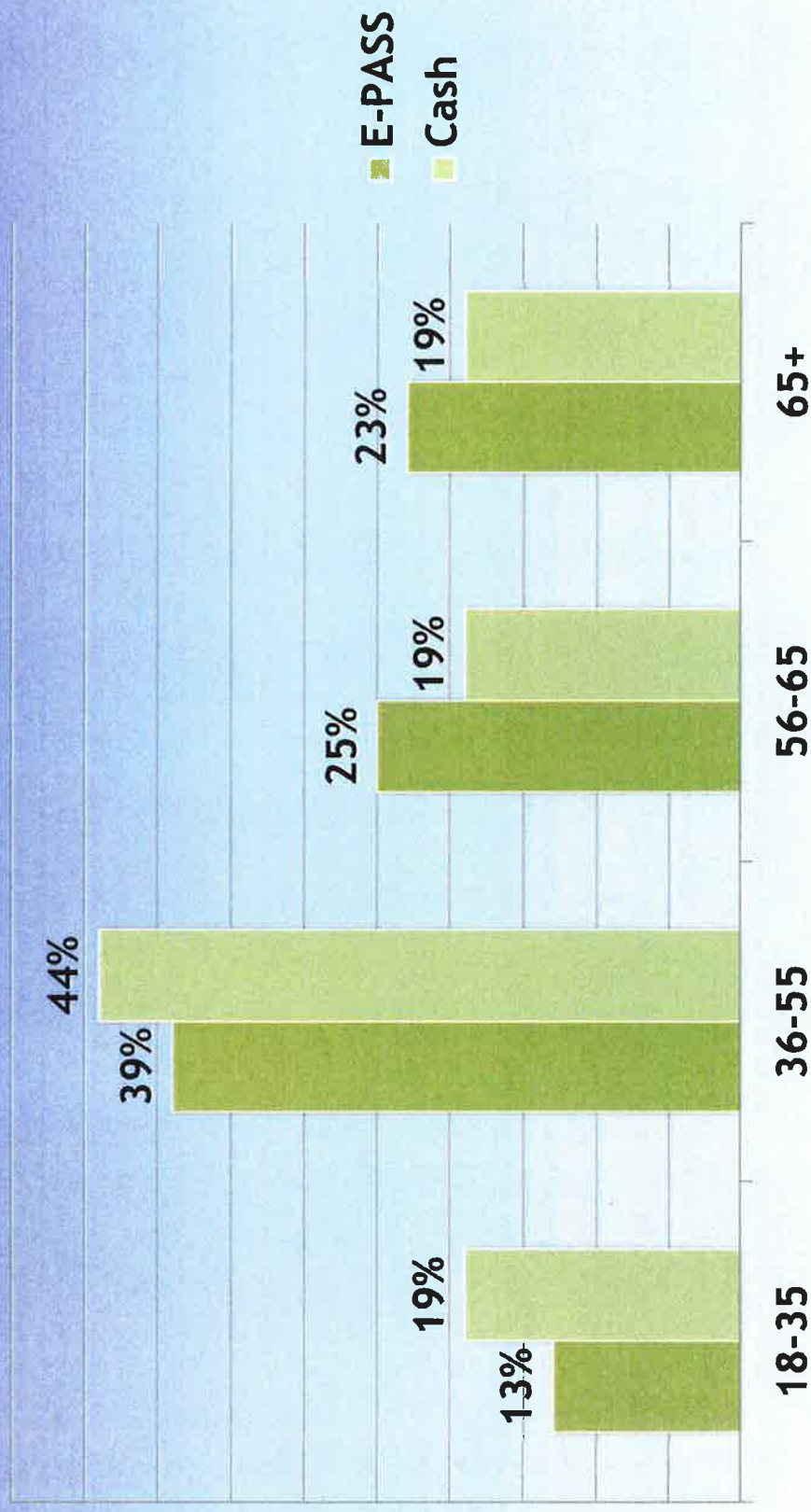
FEMALE

E-PASS: 48%

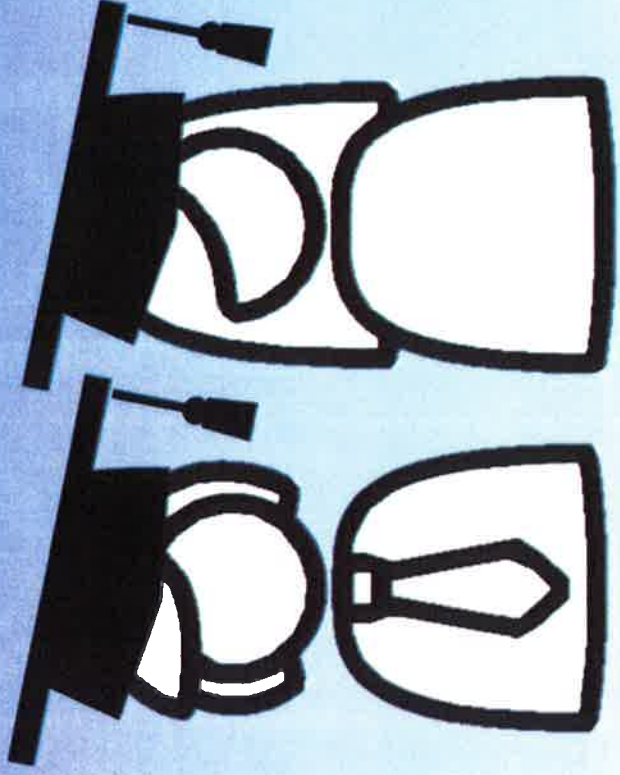
CASH: 55%

WHO ARE OUR CUSTOMERS?

AVERAGE AGE: 53



WHO ARE OUR CUSTOMERS?



EDUCATION

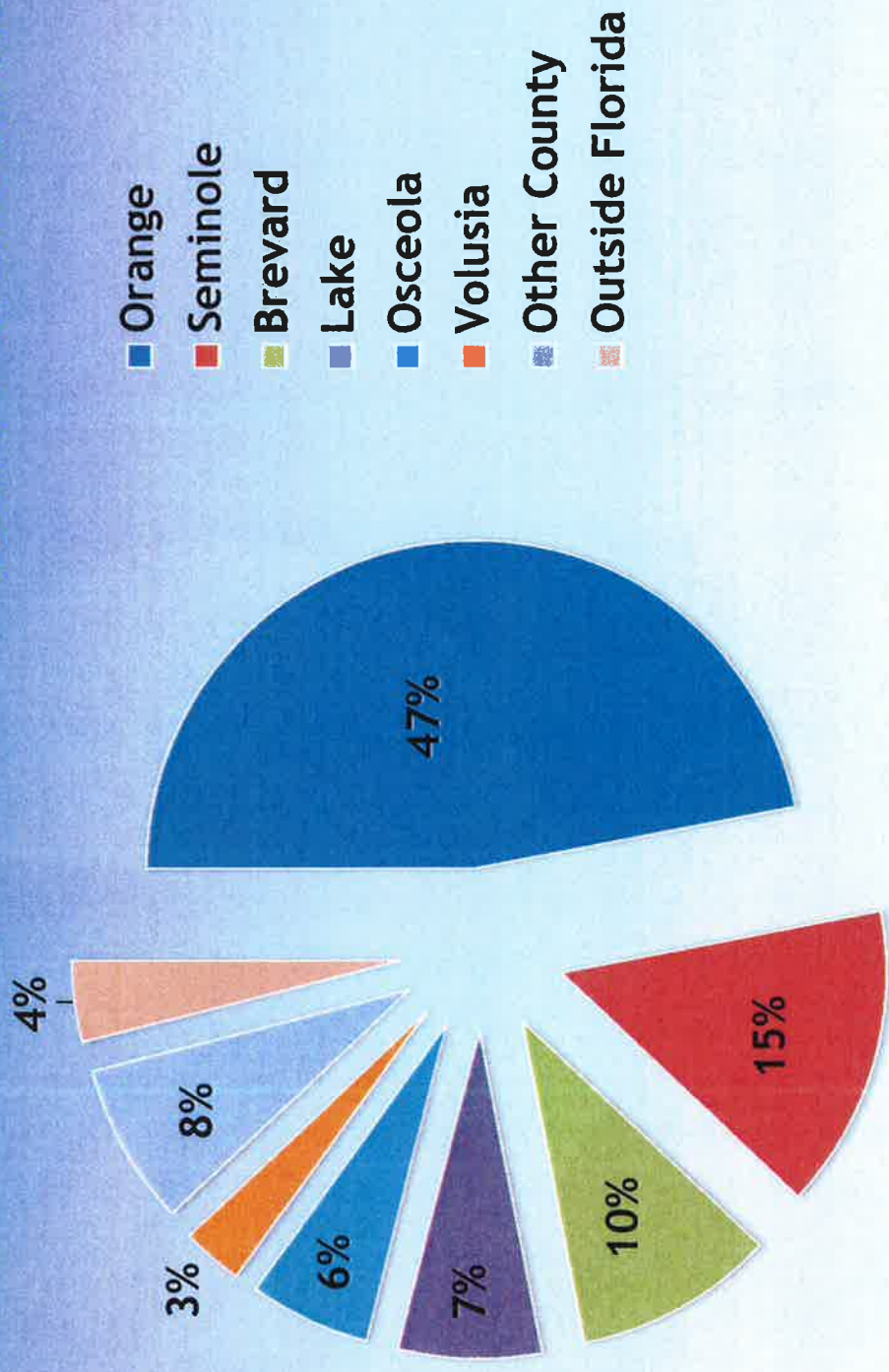
56%: College or Higher

30%: Some College

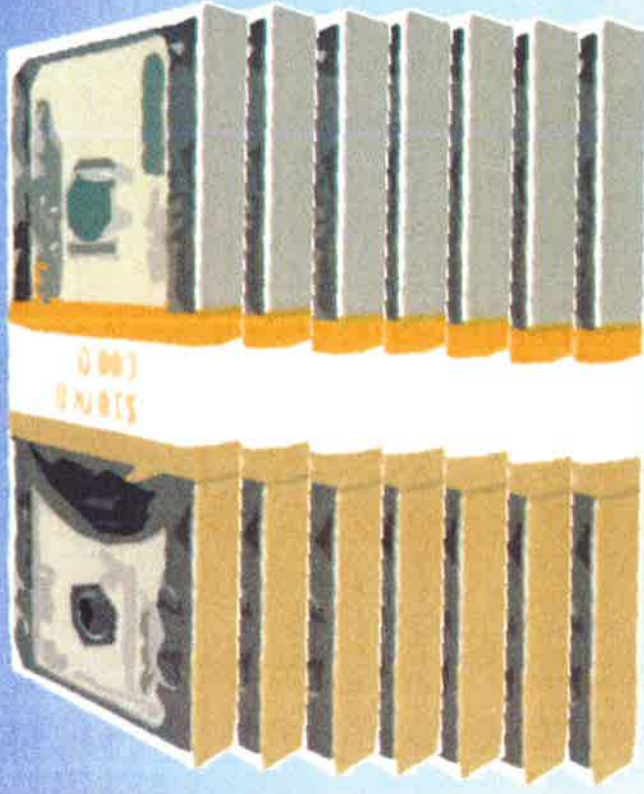
13% High School

WHO ARE OUR CUSTOMERS?

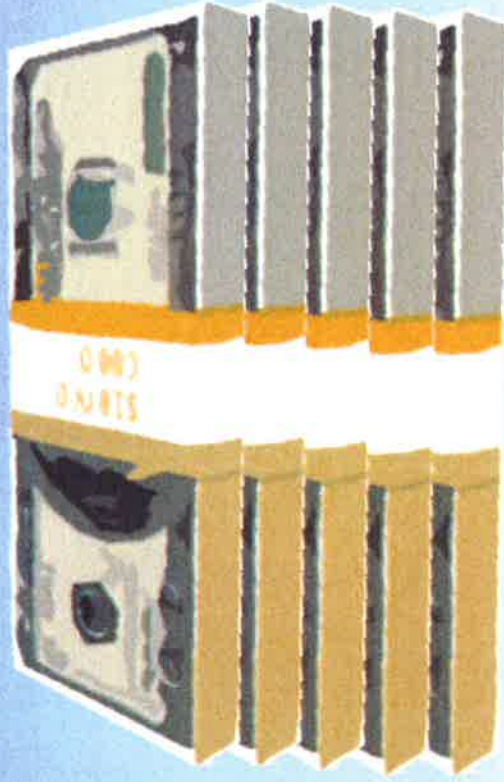
COUNTY OF RESIDENCE



WHO ARE OUR CUSTOMERS?

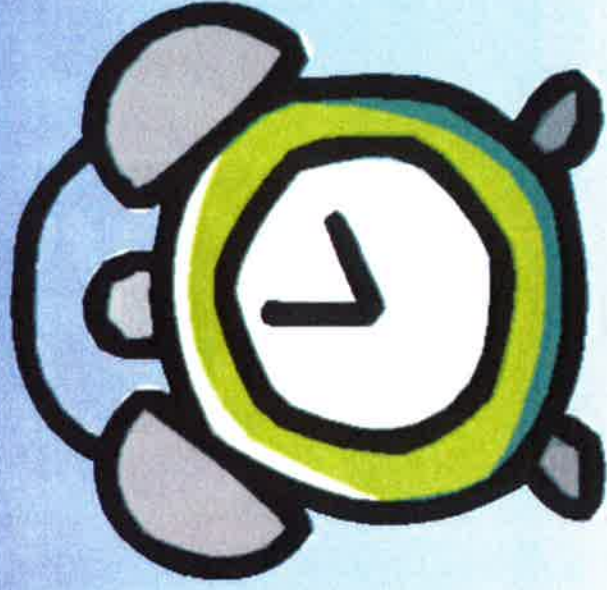


E-PASS: \$77.9K



CASH: \$555.5K

WHY DO THEY CHOOSE US?



90% - Save Time

Other Reasons:

- Convenience
- Less Congestion
- Safety

WHY DO THEY CHOOSE US?

PAY
TOLL

75%

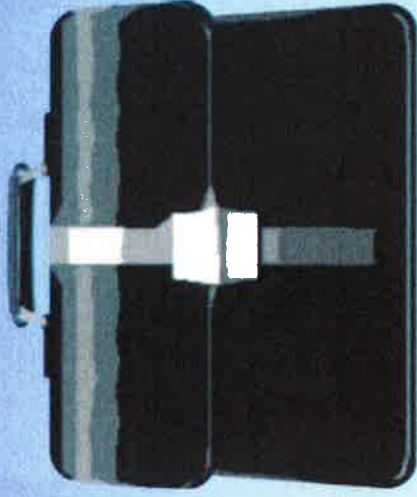
VS

PAY
TAX

25%

WHY DO THEY TRAVEL EXPRESSWAYS?

**Check all that apply*



52% WORK

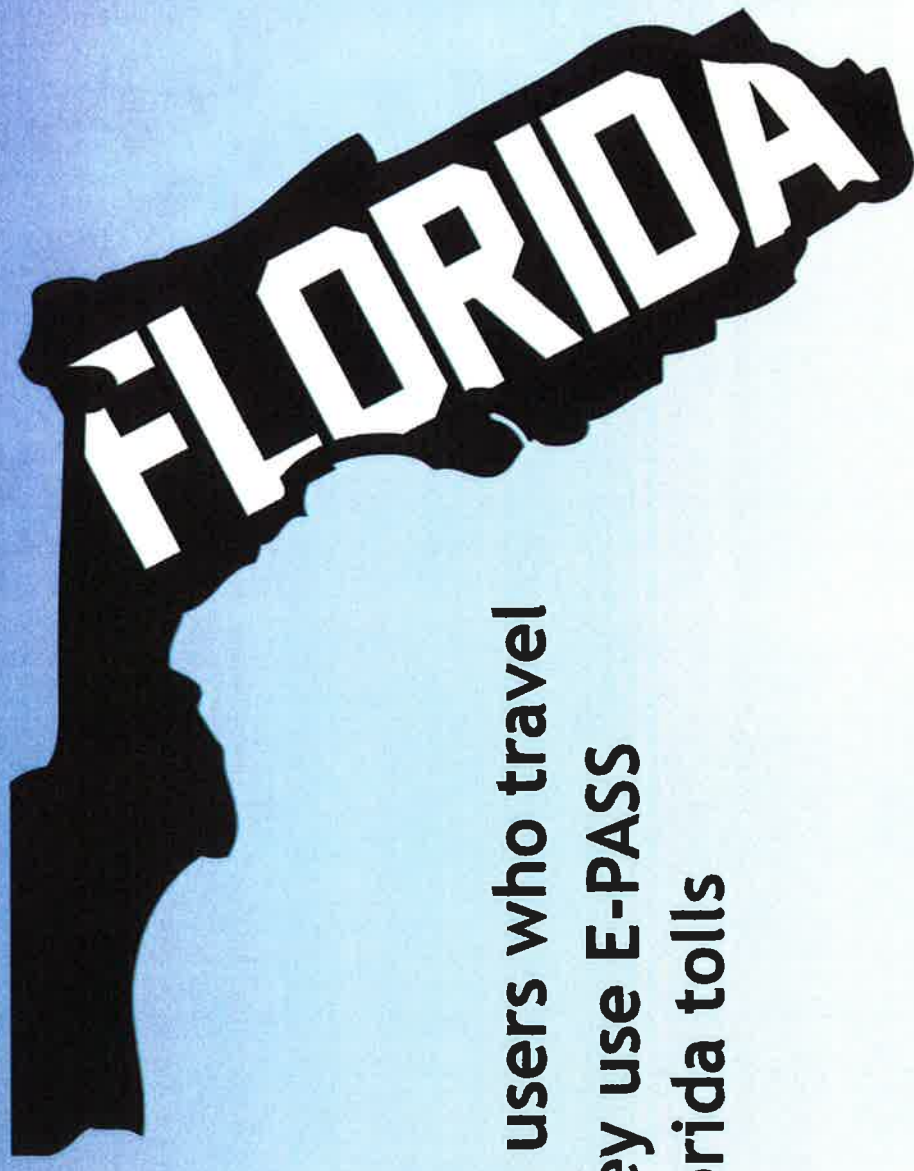
Commuting on-the-job



65% PERSONAL

Errands
Special Events
Vacation
School

WHY DO THEY TRAVEL EXPRESSWAYS?

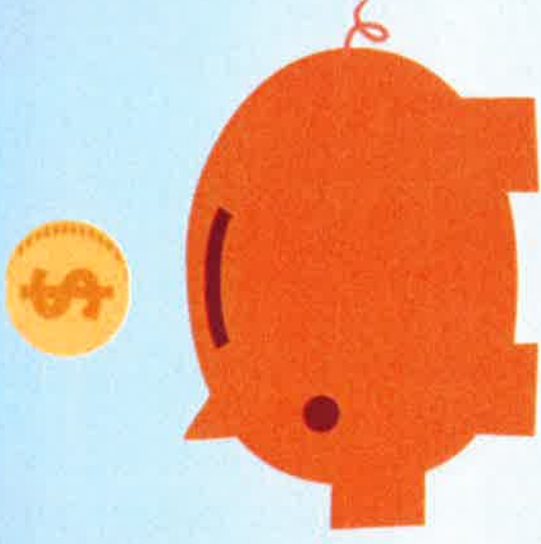


70% of E-PASS users who travel
for work say they use E-PASS
to pay other Florida tolls

WHY DO THEY AVOID EXPRESSWAYS?

41% sometimes take an alternate route, even when the expressway is the most direct

- 83% say it's to save money
- Cash users are more likely to avoid



WHAT DO THEY THINK OF E-PASS?

99.7% agree that using E-PASS saves time

93% agree that using E-PASS is safer

93% agree that E-PASS provides good value



WHAT DO THEY THINK OF E-PASS?

94% of people who
visit our website use it
to check their E-PASS
account



The screenshot shows the E-PASS login interface. At the top left is the E-PASS logo. Below it, the text 'Login' is followed by 'Required fields are marked with *'. There are two input fields: 'Username' and 'Password', both marked with a red asterisk. Below the 'Username' field is a link that says 'Forgot your Username?'. Below the 'Password' field is a link that says 'Forgot your Password?'. To the right of these fields is a 'Login' button. Below the login fields, there are three lines of text: 'Don't have a Password? Enter your PIN in the password field.', 'Don't have a Username? Click Here', and 'Don't have an E-PASS Account? Get E-PASS Now!'.

E-PASS

Login
Required fields are marked with *

Username *
[Forgot your Username?](#)

Password *
[Forgot your Password?](#)

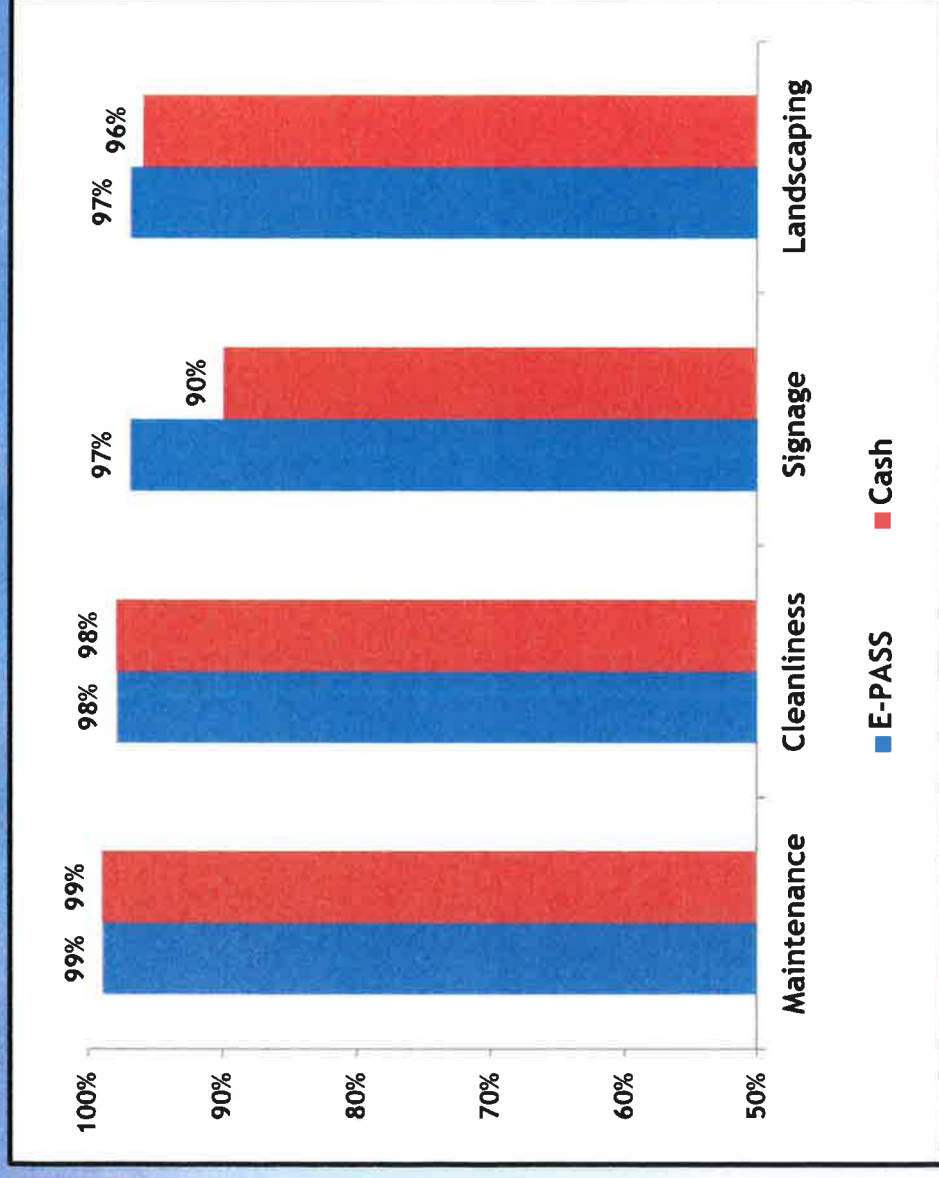
Login

Don't have a Password? Enter your PIN in the password field.

Don't have a Username? [Click Here](#)

Don't have an E-PASS Account? [Get E-PASS Now!](#)

WHAT DO THEY THINK OF OUR EXPRESSWAY?



“Please indicate how much you agree or disagree with the following statements.

The tolled expressways...”

WHAT DO THEY THINK OF US?

96% say toll
collectors are friendly
and treat each person
as valued customer



ARE THEY ONLINE?

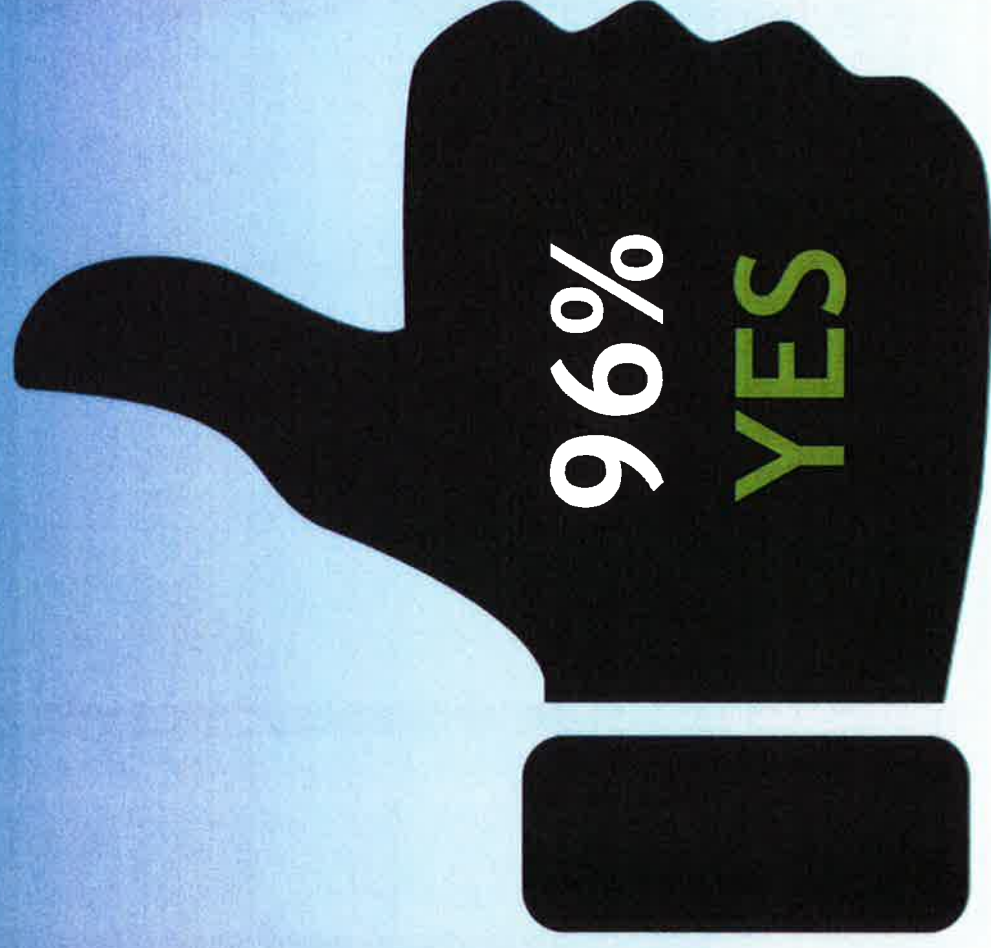
4% of respondents
who use social media
follow CFX



66% were unaware
that we use social
media



ARE THEY SATISFIED CUSTOMERS?



CENTRAL FLORIDA EXPRESSWAY AUTHORITY

QUESTIONS?



TAB 4

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Proposed Speed Limit Adjustment on SR 417 and SR 429



October 9, 2014

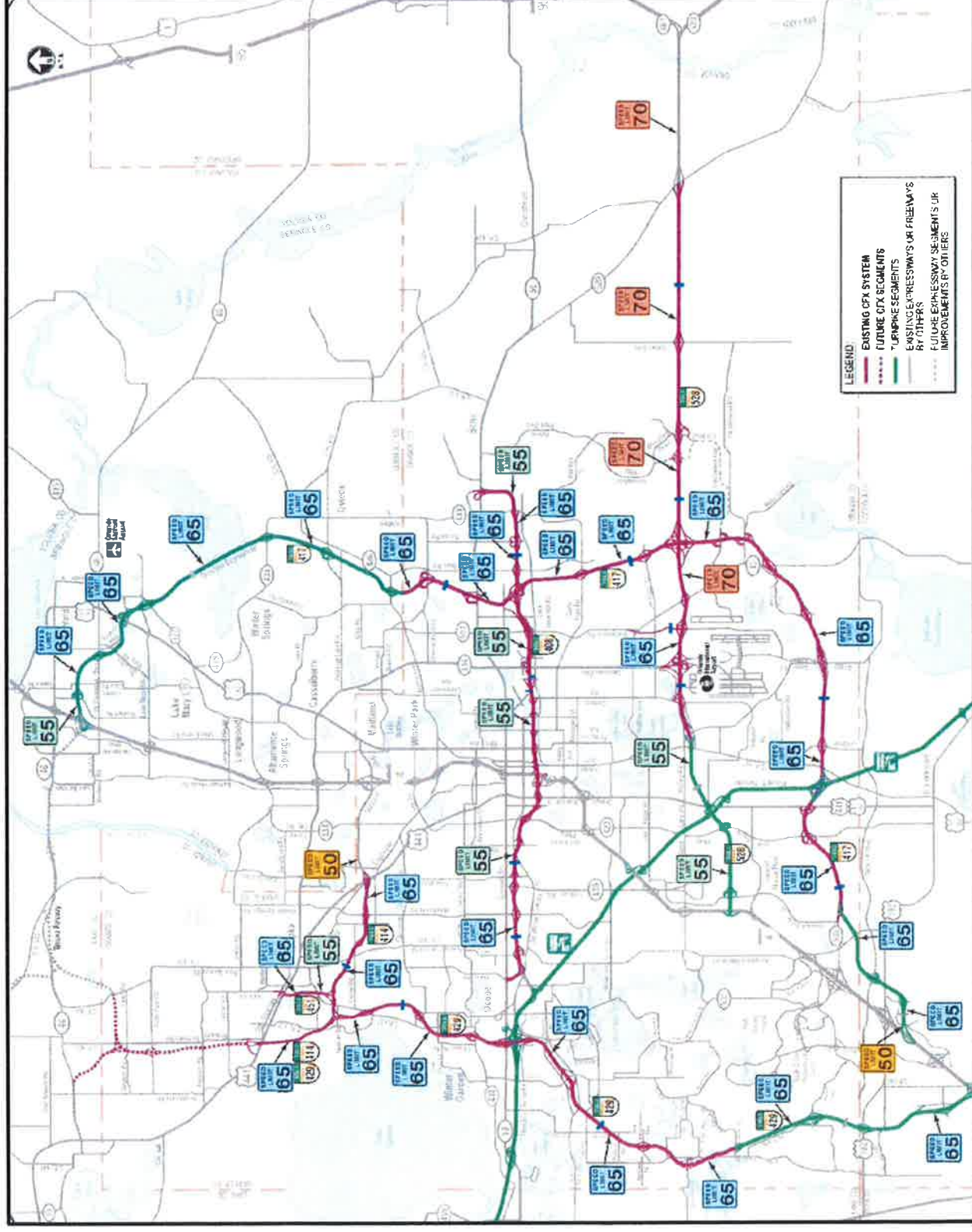


- Early 2013 OCEA board requested speed study on various segments of our system
- Florida Statutes 316.187 describes the process for FDOT approval to modify speed limits; maximum allowable limit is 70 mph



Overview

- Study per Speed Zoning for Highway Zoning and Streets manual
- Traffic study submitted to FDOT and approved 8/21/14
- CFX speed limit adjustment occurred in 1997; speed limit on portions of SR 408 adjusted to 65 mph



Current Speed Limits



Study Considerations

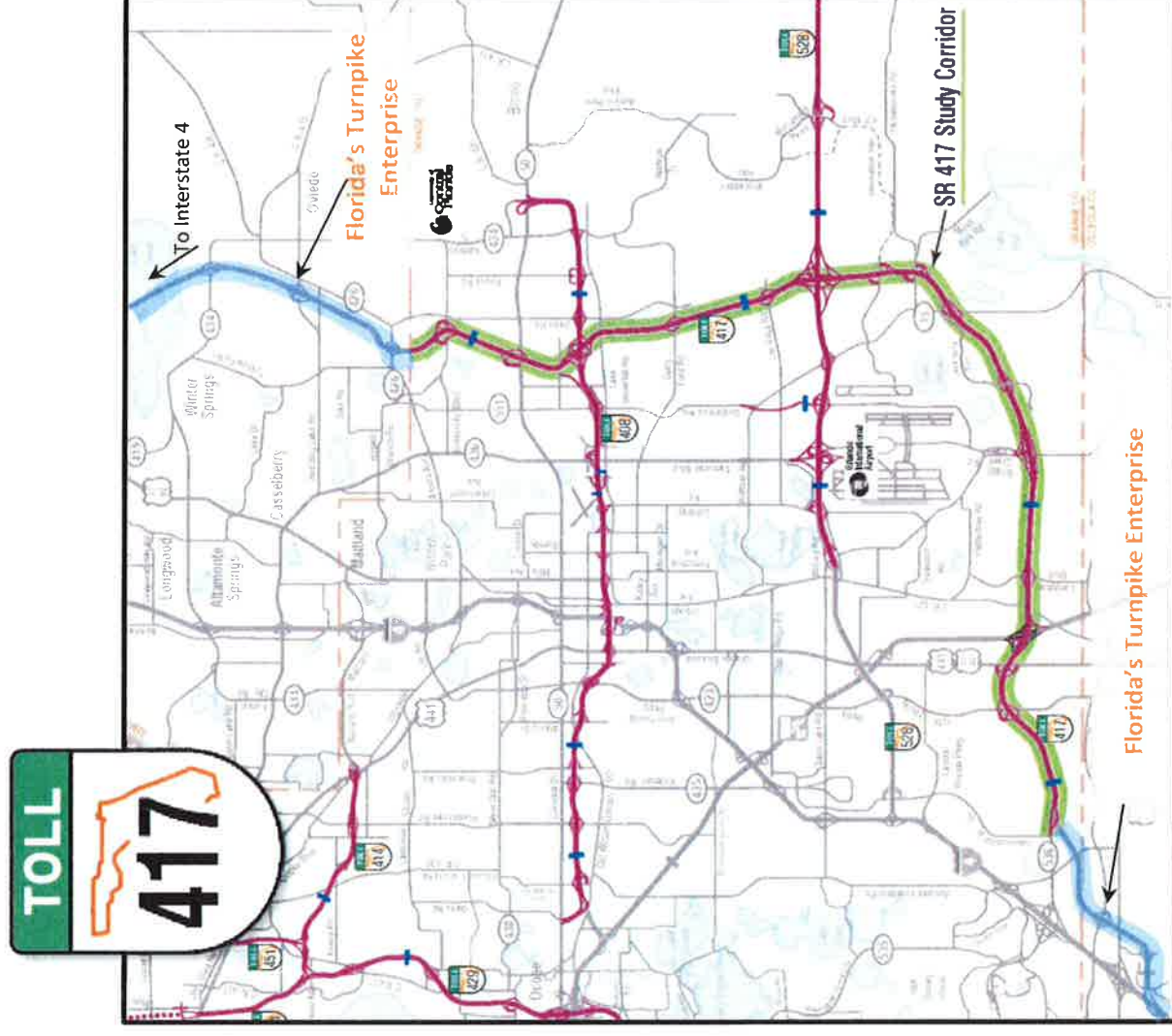
Collect and evaluate:

- Existing traffic volumes and speeds
- Accident history
- Roadway design criteria

Limit should reflect 85th percentile* of speeds traffic is traveling

*The speed at or below which 85 percent of all vehicles are observed to travel under free flow conditions past a specified point.

- From I-Drive to Seminole County Line
- Opened in phases: 1988 and 1993
- Current speed limit: 65 mph
- Roadway design criteria: 70 mph
- 85th percentile speed: 72-79 mph



- From Seidel Road to US 441
- Opened in phases:
2000 and 2005
- Current speed limit:
65 mph
- Roadway design criteria:
70 mph
- 85th percentile speed:
70-79 mph



Speed Limit Adjustment Coordination

- Florida's Turnpike Enterprise
 - Completed independent studies for their segments of SR 417 and SR 429
 - Consistent results; study recommends a change to 70 mph
- Florida Highway Patrol
 - Coordination throughout the study





Implementation Costs and Schedule

- 65 existing signs to be replaced/modified
- Estimated cost: \$76,000
- 60-90 days to complete
- Public outreach
 - Customer Email
 - Traditional Media
 - Online Newsletters
 - Social Media



Requested Action

Staff requests Board approval to:

**Adjust the speed limit from
65 mph to 70 mph
on CFX portions of SR 417 and SR 429**

SPOT SPEED STUDY

For

SR 417 (Central Florida GreeneWay)

From

**International Drive to the Orange County-
Seminole County Line**

(Milepost 0.000 to 20.017, Roadway ID 75-301-000)

&

(Milepost 0.000 to 11.501, Roadway ID 75-300-000)

Prepared for:

**Orlando-Orange County Expressway Authority
Orlando, Florida**



Prepared by:

ATKINS

Orlando, Florida

March 2014

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- Collect and review collision/crash data within the study corridor from the appropriate agencies (FDOT, Florida Highway Patrol, and Orlando Police Department).
- Collect and review existing plans and record drawings to determine design speeds for the corridor.
- Complete spot speed study analysis for the study corridor from International Drive to the Orange County-Seminole County line based on the criteria described in the FDOT Speed Zoning Manual dated March 2010 and the FDOT Manual of Uniform Traffic Studies (MUTS) dated January 2000.

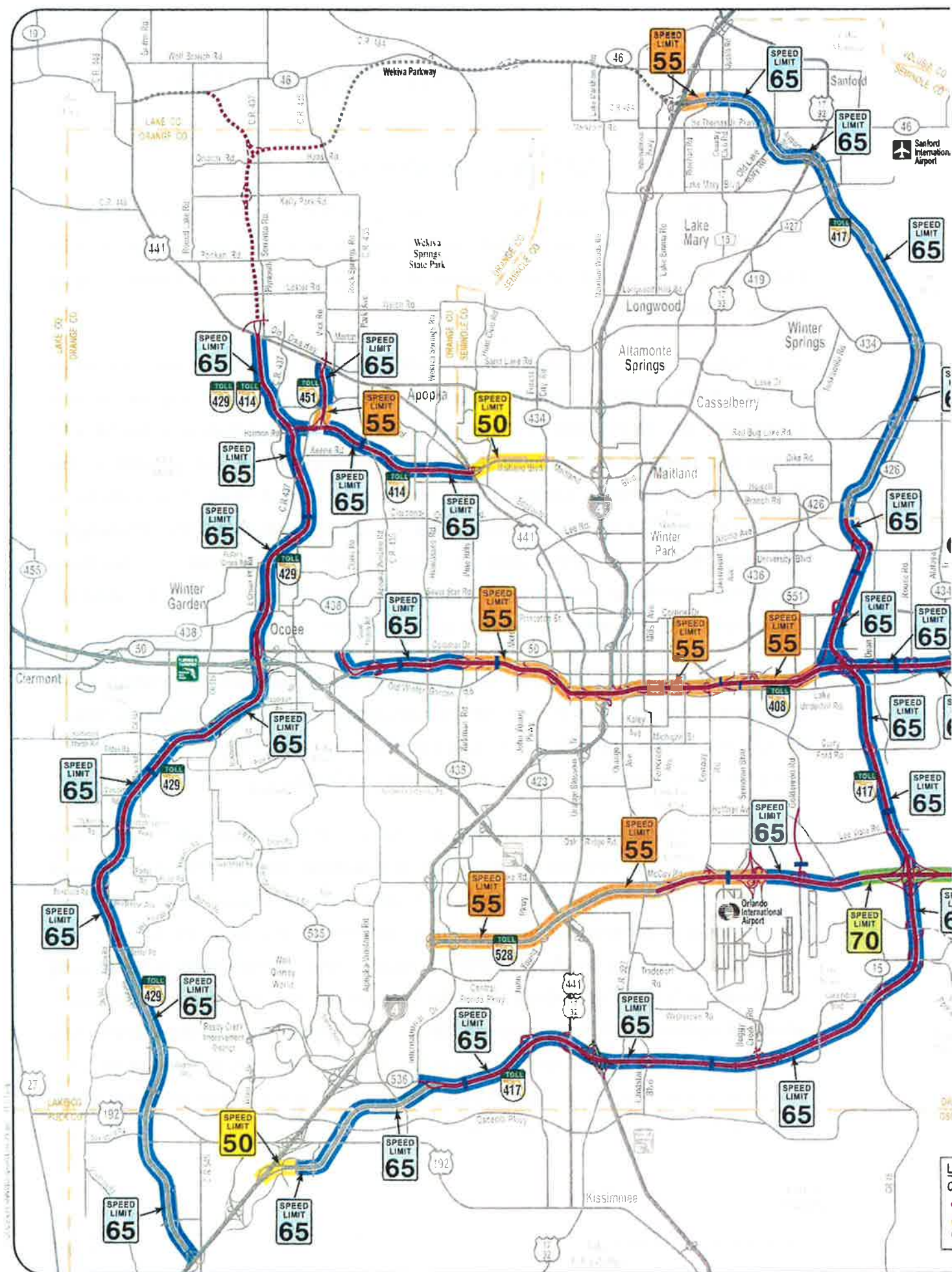


Table 1
S.R. 417 Central Florida GreeneWay (OOCEA Sections)
Existing Speed Zone Regulation Summary

Milepost		Speed (mph)	Length (miles)	Speed Zone Location (measured from center of cross road bridge)
From	To			
SR 417: International Drive/SR 536 to SR 528 (Beachline Expressway) - 75-301-000				
0.000	3.594	65	3.594	1300 feet south of I-Drive ramps to John Young Parkway
3.594	4.958	65	1.364	John Young Parkway to US 441/SR 500 (Orange Blossom Trail)
4.958	7.302	65	2.344	US 441/SR 500 (Orange Blossom Trail) to Landstar Boulevard
7.302	10.829	65	3.527	Landstar Boulevard to Boggy Creek Road
10.829	12.920	65	2.092	Boggy Creek Road to Lake Nona Boulevard
12.920	15.471	65	2.551	Lake Nona Boulevard to Narcoossee Road
15.471	16.933	65	1.462	Narcoossee Road to Moss Park Road
16.933	17.857	65	0.924	Moss Park Road to Innovation Way/Dowden Road
17.857	20.017	65	2.161	Innovation Way/Dowden Road to 0.5 miles north of SR 528
SR 417: SR 528 (Beachline Expressway) to Seminole/Orange County Line - 75-300-000				
0.000	1.370	65	1.370	0.5 miles north of SR 528 to Lee Vista Boulevard
1.370	3.673	65	2.303	Lee Vista Boulevard to Curry Ford Road
3.673	6.401	65	2.728	Curry Ford Road to SR 408 (East-West Expressway)
6.401	8.093	65	1.692	SR 408 (East-West Expressway) to SR 50 (Colonial Drive)
8.093	10.361	65	2.268	SR 50 (Colonial Drive) to University Boulevard
10.361	11.501	65	1.141	University Boulevard to Seminole/Orange County Line

Notes:

1. The Expressway Authority (OOCEA) and Florida's Turnpike Enterprise maintain portions of the SR 417.
2. The Expressway Authority (OOCEA) maintains SR 417 from I-Drive to the Orange/Seminole County Line
3. The Florida's Turnpike Enterprise maintains SR 417 from I-4 to I-Drive and from the Seminole County line to I-4
4. Roadway ID is based on the latest FDOT D5 Straight Line Diagram obtained from FDOT Website

Based on these accident summaries, it was determined that the crashes that occurred in the years 2010, 2011 and 2012 were non-speed related.

SPOT SPEED ANALYSIS

A Spot Speed Study was conducted to measure the prevailing travel speed along the SR 417 (Central Florida GreeneWay) within the study corridor. This spot speed study was taken at seven locations within the study corridor between the interchanges of International Drive and the Orange County-Seminole County line. The current posted speed limit within this section of expressway is 65 miles per hour. The field data collected utilizing the Wavetronic Data Collection Sensors (SS125 HD) recently installed throughout the Expressway System, shows that the existing speed conditions support an increase in speed limit to a 70 miles per hour speed. The Spot Speed Study summarized in Table 2 on the following page, reveals that the 85th percentile speed for the vehicles ranges from 72 to 79 miles per hour with a 10 miles per hour pace ranging from 64 to 73 miles per hour to 71 to 80 miles per hour. The results and data worksheet of the spot speed study are provided in Appendix C of this report.

SECTION 3

CONCLUSION & RECOMMENDATION

Based on the completed spot speed study analysis, it can be concluded that the change in speed limit from the existing posted speed limit of 65 miles per hour to 70 miles per hour along SR 417 (Central Florida Greenway) from the International Drive Interchange to the Orange County-Seminole County line is justified. This justification and/or consideration of the proposed increase in speed is based on meeting the 85th percentile speed and the upper limit of the 10 miles per hour pace criteria. In addition, the spot speed study demonstrates that vehicles are traveling in excess of 70 miles per hour through this section of roadway.

It is recommended that the speed limit along SR 417 (Central Florida GreeneWay) from International Drive to the Orange County-Seminole County line be changed to 70 miles per hour due to meeting the 85th percentile speed criteria discussed in the FDOT Speed Zoning for Highways, Roads and Streets Manual. Implementation of the recommended increase of the speed limit is subject to review and approval by the FDOT.

It is also recommended that if the speed limit revision is approved by FDOT and implemented by the Authority, the Authority continue to review the 85th percentile speeds, the upper limit of the 10 miles per hour pace and compare the number, type and severity of crashes that occur.

APPENDIX A

HISTORICAL & EXISTING TRAFFIC DATA

Existing and Historical Average Annual Weekday Ramp Terminal Traffic Volumes

Ramp Location	Year 2000	Year 2001	Year 2002	Year 2003	Year 2004	Year 2005	Year 2006	Year 2007	Year 2008	Year 2009	Year 2010	Year 2011	Year 2012
Exit 6 : International Drive													
Northbound On-Ramp	7,460	6,360	6,840	7,110	9,490	10,380	10,580	12,030	10,970	10,270	9,300	9,900	9,850
Southbound Off-Ramp	7,240	6,400	7,700	7,510	9,580	10,630	9,930	11,260	11,300	9,760	9,940	10,370	10,270
Exit 10: John Young Parkway													
Northbound Off-Ramp	3,330	3,150	3,620	3,560	4,840	4,690	4,250	4,785	4,600	4,125	4,620	4,180	4,270
Southbound On-Ramp	3,150	3,010	3,620	3,520	4,620	5,160	5,130	4,860	4,490	4,120	4,500	4,250	4,020
Northbound On-Ramp	2,030	2,100	2,550	2,880	4,090	4,180	4,630	4,570	4,240	3,630	3,600	3,690	3,890
Southbound Off-Ramp	1,830	1,930	2,340	2,830	3,910	3,920	4,540	4,480	4,320	3,620	3,510	3,740	3,710
Exit 11 : US 17-92 / US 441													
Northbound Off-Ramp	2,810	2,930	2,790	2,920	3,180	2,910	2,810	3,910	4,200	3,630	3,810	4,030	3,840
Southbound On-Ramp	2,760	3,460	3,210	3,180	3,250	2,620	2,990	4,135	4,080	4,000	3,140	4,840	4,420
Northbound On-Ramp	1,570	1,940	1,850	1,940	2,220	1,940	2,370	2,810	2,780	2,610	2,710	2,700	2,740
Southbound Off-Ramp	1,720	1,820	2,090	2,340	2,470	2,380	2,830	3,290	3,110	2,900	3,070	3,070	3,080
Exit 14 : Landstar Boulevard													
Northbound Off-Ramp	1,450	1,630	1,820	2,030	3,200	3,370	3,600	3,590	4,340	2,720	2,730	2,910	3,010
Southbound On-Ramp	1,670	2,030	2,110	2,320	3,510	3,570	4,050	4,160	4,110	3,230	3,190	3,400	3,490
Northbound On-Ramp	1,770	2,350	2,370	2,590	3,380	3,610	4,010	4,400	4,010	3,745	2,770	3,700	3,380
Southbound Off-Ramp	1,770	2,370	2,430	2,740	3,450	3,690	4,150	4,890	4,220	3,020	3,220	3,610	3,300
Exit 17 : Boggy Creek Road													
Northbound Off-Ramp	4,300	3,960	4,680	4,370	5,170	5,770	5,270	7,120	6,910	6,210	5,880	6,140	6,210
Southbound On-Ramp	4,830	3,790	4,440	5,110	6,110	6,410	6,030	7,790	7,680	6,440	6,860	6,990	6,950
Northbound On-Ramp	1,180	1,250	1,410	1,540	1,960	2,130	2,300	2,550	2,360	2,350	2,630	2,870	2,950
Southbound Off-Ramp	1,020	1,110	1,320	1,340	1,730	1,870	2,010	2,130	2,210	2,130	2,230	2,490	2,650

Notes

1 \$0.25 Toll Increase was applied systemwide at various locations on April 2009

2 SR 417 under construction in the Year 2010-2011 from SR 408 to SR 50 (Colonial Drive)

3 SR 417 under construction in the Year 2010-2011 from SR 408 to SR 50 (Colonial Drive)

4 In the Year 2011, Valencia College Lane Southbound On and Off Ramps and Southbound 408/417 Spur were removed due to the new ramp alignment as part of the 408-253E-E project at the SR 408 System Interchange



SR 417 - CENTRAL FLORIDA GREENWAY Interchange - Ramp Volume Summary

Existing and Historical Average Annual Weekday Ramp Terminal Traffic Volumes

Ramp Location	Year 2000	Year 2001	Year 2002	Year 2003	Year 2004	Year 2005	Year 2006	Year 2007	Year 2008	Year 2009	Year 2010	Year 2011	Year 2012
Exit 26 : Beachline Expressway (SR 528) (cont.)													
Southbound On-Ramp from EB SR 528	190	150	170	160	190	240	250	260	250	350	900	870	800
Southbound On-Ramp from WB SR 528	2,150	2,450	2,870	2,920	4,430	4,960	5,230	3,720	3,270	2,930	4,440	3,260	3,590
Northbound On-Ramp from EB SR 528	11,930	10,110	11,210	12,610	15,010	16,860	17,520	15,050	14,660	13,650	13,570	13,060	13,410
Northbound On-Ramp from WB SR 528	3,870	3,590	4,730	5,460	8,390	8,950	10,110	6,330	6,230	5,420	6,690	5,060	5,730
Southbound Off-Ramp to EB SR 528	3,510	3,680	4,110	4,710	7,360	7,150	7,360	5,670	5,360	4,980	6,030	4,490	5,500
Southbound Off-Ramp to WB SR 528	12,530	10,580	11,750	12,760	16,660	16,700	17,850	15,750	15,420	15,030	13,500	12,550	13,660
Exit 27 : Lee Vista Boulevard													
Northbound Off-Ramp	-----	-----	440	520	870	890	1,040	1,390	1,300	1,120	1,160	1,070	1,140
Southbound On-Ramp	-----	-----	350	470	790	950	1,170	1,400	1,300	1,250	1,410	1,270	1,280
Northbound On-Ramp	-----	1,050	1,710	1,810	2,900	2,970	3,320	3,300	2,980	2,300	2,330	2,380	2,460
Southbound Off-Ramp	-----	1,110	1,530	1,780	2,590	2,640	2,920	3,340	2,800	2,170	2,270	2,480	2,310
Exit 30 : Curry Ford Road													
Northbound Off-Ramp	4,360	5,010	5,010	5,870	7,050	7,110	7,870	8,140	7,680	6,830	5,900	5,940	5,690
Southbound On-Ramp	4,190	4,810	4,810	5,860	6,710	6,660	7,630	8,220	7,270	7,170	5,900	6,380	6,070
Northbound On-Ramp	1,910	2,230	2,510	3,050	4,230	3,930	4,310	4,510	4,330	3,840	4,070	3,940	4,380
Southbound Off-Ramp	1,770	2,080	2,240	2,780	3,320	3,000	3,900	4,170	3,970	3,600	3,740	3,490	4,070
Exit 33A : SR 408 (East West Expressway)													
Northbound Off-Ramp to EB SR 408	4,540	4,190	4,680	5,120	6,600	6,430	7,130	7,530	7,210	6,080	6,220	6,230	6,340
Northbound Off-Ramp to WB SR 408	3,820	4,080	4,750	5,390	6,880	6,490	6,970	7,770	6,920	7,100	7,530	8,050	8,170
Southbound On-Ramp from EB SR 408	3,220	3,640	3,980	4,570	5,050	5,280	6,170	7,200	6,400	6,700	7,080	6,950	7,310
Southbound On-Ramp from WB SR 408	4,960	4,400	4,990	5,370	7,190	6,720	7,190	7,680	6,980	6,520	6,380	6,250	6,850
Northbound On-Ramp from WB SR 408	1,990	2,480	2,850	3,610	4,850	4,040	4,405	4,580	4,130	3,975	4,220	4,020	3,410
Southbound Off-Ramp to EB SR 408	2,100	2,500	2,640	3,130	4,190	3,730	4,525	4,430	5,960	3,645	3,620	3,900	3,480

Notes

1 \$0.25 Toll increase was applied systemwide at various locations in April 2009

2 SR 417 under construction in the Year 2010-2011 from SR 528 to North of Curry Ford

3 SR 417 under construction in the Year 2010-2011 from SR 408 to SR 50 (Colonial Drive)

4 In the Year 2011, Valencia College Lane Southbound On and Off Ramps and Southbound 408/417 Spur were removed due to the new ramp alignment as part of the 408-253E-E1 project at the SR 408 System Interchange

5 Systemwide Toll increase was applied in July 2012 that included different toll rates for EPASS and Cash customers.



SR 417 - CENTRAL FLORIDA GREENWAY Interchange - Ramp Volume Summary

APPENDIX B

ACCIDENT SUMMARIES

TABLE 417-1

SR 417 (Central Florida GreeneWay) Spot Speed Study

Year 2010 Accident / Collision Summary Sheet - Long Form Only

No.	Report ID	Date	Day	Time	Mile Point	Accident Type (Harmful Event)	Fatalities	Injuries	Property Damage Only	Lighting Conditions	Road Surface Conditions	Alcohol Drugs Involved	Travel Direction	Primary Contributing Cause (at fault vehicle)
41	912381880	9/16/2010	Monday	1:49 PM	0.000	Collision with MV on Other Roadway	0	1	0	1	Dry	No	NB	77 All Other
42	914753990	7/14/2010	Wednesday	6:15 PM	0.005	MV Hit Guardrail / Cable Guardrail	0	0	1	1	Wet	No	NB	77 All Other
43	818969160	10/5/2010	Tuesday	6:54 AM	0.189	Collision with MV in Transport (Rear End)	0	0	1	1	Dry	No	EB	2 Careless Driving
44	818961660	9/7/2010	Tuesday	4:34 PM	0.614	Collision with MV in Transport (Rear End)	0	0	1	1	Dry	No	WB	2 Careless Driving
45	818960330	11/1/2010	Monday	6:29 PM	0.614	Collision with MV in Transport (Angle)	0	3	0	2	Dusk	No	EB	11 Disregarded Traffic Signal
46	806380430	11/2/2010	Tuesday	9:29 AM	0.614	Collision with MV in Transport, Same Direction	0	0	1	1	Dry	No	WB	3 Failed to Yield Right-of-Way
47	818973170	11/2/2010	Tuesday	4:50 PM	0.614	Collision with MV in Transport (Rear End)	0	1	0	1	Dry	No	SB	77 All Other
48	776906570	11/1/2010	Monday	5:07 PM	0.000	Collision with MV in Transport (Angle)	0	1	0	1	Dry	No	NB	2 Careless Driving
49	776916010	12/5/2010	Monday	11:05 AM	0.421	Collision with MV in Transport (Rear End)	0	1	0	1	Dry	No	NB	2 Careless Driving
50	776971250	5/4/2010	Tuesday	10:34 PM	0.421	Collision with MV in Transport (Rear End)	0	0	1	4	Dark/Lights	No	SB	11 Disregarded Traffic Signal
51	806330530	7/3/2010	Saturday	3:15 AM	0.421	Collision with MV in Transport (Head On)	0	0	1	4	Dark/Lights	No	NB	11 Disregarded Traffic Signal
52	806388510	9/23/2010	Thursday	6:43 AM	0.421	Collision with MV in Transport, Same Direction	0	0	1	4	Dark/Lights	No	NB	11 Disregarded Traffic Signal
53	776916340	10/23/2010	Saturday	2:45 PM	0.421	Collision with MV in Transport (Angle)	0	0	1	3	Dawn	No	NB	77 All Other
54	806374050	9/13/2010	Monday	2:25 PM	0.293	Collision with MV in Transport (Rear End)	0	1	0	1	Dry	No	NB	2 Careless Driving
55	820240090	12/18/2010	Saturday	8:30 AM	0.212	Collision with MV in Transport (Angle)	0	0	1	1	Dry	No	NB	15 Improper Passing
56	776911930	9/18/2010	Saturday	3:50 PM	0.489	MV Hit Utility Pole/Light Pole	0	1	0	1	Dry	No	SB	12 Exceeded Safe Speed Limit
57	819858560	12/8/2010	Wednesday	6:07 PM	0.485	Collision with MV in Transport (Rear End)	0	2	0	2	Dusk	No	NB	2 Careless Driving
58	776812830	1/2/2010	Saturday	4:30 PM	0.486	Collision with MV in Transport (Rear End)	0	0	1	1	Dry	No	NB	2 Careless Driving
59	776885000	1/14/2010	Thursday	8:27 AM	0.486	Collision with MV in Transport (Rear End)	0	0	1	1	Dry	No	EB	2 Careless Driving
60	7769003870	12/7/2010	Wednesday	12:19 PM	0.496	Collision with MV in Transport (Rear End)	0	0	1	1	Dry	No	EB	2 Careless Driving
61	776930100	3/30/2010	Tuesday	11:30 AM	0.477	All other	0	2	0	1	Dry	No	SB	2 Careless Driving
62	806302200	6/7/2010	Monday	9:32 AM	0.477	Collision with MV in Transport (Rear End)	0	2	0	1	Dry	No	SB	2 Careless Driving
63	776916020	2/5/2010	Friday	8:00 AM	1.111	Collision with MV in Transport (Rear End)	0	2	0	1	Dry	No	SB	2 Careless Driving
64	776907010	1/6/2010	Wednesday	8:48 AM	1.570	Collision with MV on Other Roadway	0	5	0	1	Dry	No	SB	2 Careless Driving
65	776916170	6/8/2010	Tuesday	2:20 PM	1.570	Cargo Loss or Shift	0	0	1	1	Dry	No	SB	2 Careless Driving
66	806332520	7/4/2010	Sunday	9:49 PM	1.570	MV Hit Concrete Barrier Wall	0	1	0	4	Dark/Lights	No	NB	19 Improper Load
67	776907100	2/14/2010	Sunday	11:39 AM	1.808	MV Hit Guardrail / Cable Guardrail	0	1	0	1	Dry	No	NB	2 Careless Driving
68	806329620	7/23/2010	Friday	9:57 PM	2.570	Collision with MV in Transport (Sideswipe)	0	0	1	5	Dark/No Lights	Yes	EB	2 Careless Driving
69	806344290	8/22/2010	Sunday	1:58 AM	3.070	MV Hit Guardrail / Cable Guardrail	0	0	1	5	Dark/No Lights	No	SB	1 No Improper Driving / Action
70	776817680	3/28/2010	Sunday	9:35 AM	3.285	Collision with MV on Other Roadway	0	1	0	1	Dry	No	NB	12 Exceeded Safe Speed Limit
71	806316430	8/2/2010	Monday	4:08 PM	3.317	All other	0	1	0	1	Dry	No	SB	1 No Improper Driving / Action
72	776817600	2/16/2010	Tuesday	3:42 PM	3.475	Collision with MV on Other Roadway	0	0	1	1	Dry	No	NB	12 Exceeded Safe Speed Limit
73	776817900	9/7/2010	Tuesday	9:21 AM	3.929	MV Hit Tree / Shrubby	0	0	1	1	Dry	No	SB	2 Careless Driving
74	819896710	12/26/2010	Sunday	7:15 PM	4.445	Collision with MV on Other Roadway	0	1	0	4	Dark/Lights	No	SB	2 Careless Driving
75	776900190	7/29/2010	Thursday	9:20 AM	5.065	Collision with MV in Transport (Rear End)	0	1	0	1	Dry	No	NB	2 Careless Driving
76	776951940	8/18/2010	Saturday	4:50 PM	5.961	MV Hit Concrete Barrier Wall	0	2	0	1	Dry	No	SB	2 Careless Driving
77	806374040	9/12/2010	Sunday	5:37 PM	7.275	MV Hit Guardrail / Cable Guardrail	0	1	0	1	Dry	No	NB	2 Careless Driving
78	819858530	11/30/2010	Tuesday	2:20 PM	7.605	Collision with MV in Transport (Angle)	0	0	1	1	Dry	No	NB	12 Exceeded Safe Speed Limit
79	776907140	3/9/2010	Tuesday	2:26 PM	8.696	MV Hit Concrete Barrier Wall	0	0	1	1	Dry	Yes	NB	2 Careless Driving
80	776907190	7/14/2010	Wednesday	9:30 AM	9.696	Collision with MV in Transport (Rear End)	0	1	0	1	Dry	No	SB	2 Careless Driving

TABLE 417-1

SR 417 (Central Florida Greeneway) Spot Speed Study

Year 2010 Accident / Collision Summary Sheet - Long Form Only

No.	Report ID	Date	Day	Time	Mile Point	Accident Type (Harmful Event)	Fatalities	Injuries	Property Damage Only	Lighting Conditions	Road Surface Conditions	Alcohol Drugs Involved	Travel Direction	Primary Contributing Cause (at fault vehicle)
121	776916140	5/30/2010	Sunday	6:20 PM	0.000	18 MV Hit Guardrail / Cable Guardrail	0	1	0	1	Wet	No	NB	2 Careless Driving
122	776817810	7/4/2010	Sunday	3:22 PM	0.189	27 MV Hit Other Fixed Object	0	0	1	1	Daylight	No	NB	12 Exceeded Safe Speed Limit
123	806346360	8/28/2010	Saturday	6:42 PM	0.000	11 Collision with Bicycle	0	1	0	1	Daylight	No	WB	3 Failed to Yield Right-of-Way
124	806384090	10/6/2010	Wednesday	5:04 PM	0.000	9 Collision with MV on Other Roadway	0	2	0	1	Daylight	No	EB	5 Improper Lane Change
125	776901240	2/1/2010	Monday	1:57 PM	0.199	3 Collision with MV in Transport (Angle)	0	1	0	1	Daylight	No	NB	2 Careless Driving
126	776907200	6/8/2010	Tuesday	8:29 AM	0.000	3 Collision with MV in Transport (Angle)	0	1	0	1	Daylight	Yes	NB	12 Exceeded Safe Speed Limit
127	776924320	3/24/2010	Wednesday	12:53 AM	0.095	18 MV Hit Guardrail / Cable Guardrail	0	0	1	1	Daylight	No	NB	2 Careless Driving
128	776893230	12/2/2010	Friday	8:22 AM	0.171	26 MV Ran Into Ditch / Culvert	0	0	1	1	Daylight	No	NB	1 No Improper Driving / Action
129	776763350	2/15/2010	Monday	6:45 PM	0.171	11 Collision with Bicycle	0	1	0	4	Dark/Lights	No	EB	5 Improper Lane Change
130	776929710	3/3/2010	Wednesday	4:23 PM	0.171	77 All other	0	1	0	1	Daylight	No	NB	2 Careless Driving
131	776918860	3/30/2010	Tuesday	8:20 PM	0.171	5 Collision with MV in Transport (Sideswipe)	0	0	1	1	Dark/Lights	No	WB	5 Improper Lane Change
132	806303750	7/3/2010	Saturday	2:37 AM	0.171	3 Collision with MV in Transport (Angle)	0	0	1	4	Dark/Lights	Yes	EB	2 Careless Driving
133	806374030	9/11/2010	Saturday	5:26 PM	0.438	20 MV Hit Concrete Barrier Wall	0	2	0	1	Daylight	No	WB	2 Careless Driving
134	806357760	9/24/2010	Friday	11:09 PM	0.500	16 MV Hit Guardrail / Cable Guardrail	0	1	0	4	Dark/Lights	No	SB	2 Careless Driving
135	806389520	9/25/2010	Saturday	1:58 AM	0.643	77 All other	0	0	1	4	Dark/Lights	No	SB	2 Careless Driving
136	806411120	11/29/2010	Monday	9:00 AM	0.676	31 Overturned	0	1	0	1	Daylight	No	WB	2 Careless Driving
137	776916370	11/2/2010	Tuesday	1:00 PM	0.876	31 Overturned	0	1	0	1	Daylight	No	SB	2 Careless Driving
138	776880330	1/10/2010	Sunday	3:35 AM	0.000	18 MV Hit Guardrail / Cable Guardrail	0	1	0	4	Dark/Lights	No	SB	77 All Other
139	774419450	1/22/2010	Friday	8:00 AM	0.212	20 MV Hit Concrete Barrier Wall	0	1	0	1	Daylight	No	EB	2 Careless Driving
140	776951840	8/1/2010	Sunday	5:45 PM	0.215	19 MV Hit Guardrail / Cable Guardrail	0	1	0	2	Dusk	No	SB	2 Careless Driving
141	774479470	3/1/2010	Sunday	3:40 PM	0.000	16 MV Hit Guardrail / Cable Guardrail	0	0	1	1	Daylight	No	NB	1 No Improper Driving / Action
142	776883620	2/24/2010	Wednesday	6:00 PM	0.038	18 MV Hit Guardrail / Cable Guardrail	0	0	1	2	Dusk	No	NB	2 Careless Driving
143	806374140	11/22/2010	Tuesday	2:51 PM	0.079	16 MV Hit Guardrail / Cable Guardrail	0	0	1	1	Daylight	No	NB	2 Careless Driving
144	776807060	2/1/2010	Sunday	7:09 AM	0.288	19 MV Hit Guardrail / Cable Guardrail	0	0	1	1	Daylight	No	NB	2 Careless Driving
145	776907400	8/11/2010	Wednesday	3:59 PM	1.165	77 All other	0	0	1	1	Daylight	No	NB	77 All Other
146	776951690	5/14/2010	Friday	8:00 AM	1.259	6 Collision with MV in Transport (Sideswipe)	0	0	1	1	Daylight	No	NB	5 Improper Lane Change
147	771930670	2/16/2010	Tuesday	9:36 AM	1.276	0 TOTAL	1	0	0	1	Daylight	No	SB	88 Unknown
148	776951920	9/6/2010	Monday	10:00 AM	1.307	18 MV Hit Guardrail / Cable Guardrail	0	1	0	1	Daylight	No	NB	1 No Improper Driving / Action
149	776916160	6/7/2010	Monday	6:35 PM	1.326	1 Collision with MV in Transport (Rear End)	0	0	1	1	Daylight	No	NB	2 Careless Driving
150	776874760	8/1/2010	Sunday	5:40 PM	1.554	18 MV Hit Guardrail / Cable Guardrail	0	0	1	1	Daylight	No	SB	2 Careless Driving
151	776951870	8/7/2010	Saturday	3:45 PM	2.080	1 Collision with MV in Transport (Rear End)	0	1	0	1	Daylight	No	NB	2 Careless Driving
152	776951720	6/2/2010	Wednesday	12:00 PM	2.662	20 MV Hit Concrete Barrier Wall	0	1	0	1	Daylight	No	SB	2 Careless Driving
153	776951730	6/4/2010	Friday	7:20 AM	2.662	22 MV Hit Tree / Shrubbery	0	1	0	1	Daylight	No	NB	2 Careless Driving
154	776907460	8/15/2010	Sunday	6:33 PM	2.662	16 MV Hit Sign/Sign Post	0	1	0	1	Daylight	Yes	NB	1 No Improper Driving / Action
155	776817910	9/23/2010	Thursday	3:15 PM	2.662	16 MV Hit Sign/Sign Post	0	1	0	1	Daylight	No	NB	2 Careless Driving
156	806376310	10/9/2010	Saturday	10:18 AM	2.662	1 Collision with MV in Transport (Rear End)	0	3	0	1	Daylight	No	NB	12 Exceeded Safe Speed Limit
157	806352660	7/22/2010	Thursday	4:41 AM	3.385	6 Collision with MV in Transport (Sideswipe)	0	0	1	4	Dark/Lights	No	SB	5 Improper Lane Change
158	776930180	6/2/2010	Sunday	7:15 PM	3.467	6 Collision with MV in Transport (Sideswipe)	0	1	0	2	Dusk	No	NB	2 Careless Driving
159	776817570	2/9/2010	Tuesday	3:37 PM	3.473	9 Collision with MV on Other Roadway	0	2	0	1	Daylight	No	NB	5 Improper Lane Change
160	776982240	5/15/2010	Saturday	11:45 PM	3.562	18 MV Hit Guardrail / Cable Guardrail	0	1	0	4	Dark/Lights	Yes	SB	2 Careless Driving

TABLE 417-1

SR 417 (Central Florida GreeneWay) Spot Speed Study

Year 2010 Accident / Collision Summary Sheet - Long Form Only

No.	Report ID	Date	Day	Time	Mile Point	Accident Type (Harmful Event)	Fatalities	Injuries	Property Damage Only	Lighting Conditions	Road Surface Conditions	Alcohol Drugs Involved	Travel Direction	Primary Contributing Cause (at fault vehicle)
201	776907220	4/30/2010	Friday	1:38 PM	9.362	3 Collision with MV in Transport (Angle)	0	0	1	1 Daylight	1 Dry	No	NB	1 No Improper Driving / Action
202	776997790	6/7/2010	Monday	10:36 PM	9.362	1 Collision with MV in Transport (Rear End)	0	3	0	4 Dark/Lights	1 Dry	No	NB	2 Careless Driving
203	776951800	7/15/2010	Thursday	11:20 AM	9.352	6 Collision with MV in Transport (Sideswipe)	0	0	1	1 Daylight	1 Dry	No	NB	5 Improper Lane Change
204	769120570	3/11/2010	Thursday	9:40 AM	9.454	3 Collision with MV in Transport (Angle)	0	2	0	1 Daylight	2 Wet	No	SB	2 Careless Driving
205	806307190	10/16/2010	Saturday	8:15 PM	9.581	1 Collision with MV in Transport (Rear End)	0	0	1	4 Dark/Lights	1 Dry	No	NB	2 Careless Driving
206	776944010	3/4/2010	Thursday	2:21 AM	9.862	18 MV Hit Guardrail / Cable Guardrail	0	0	1	4 Dark/Lights	1 Dry	No	SB	5 Improper Lane Change
207	776932020	2/16/2010	Tuesday	2:50 PM	10.112	1 Collision with MV in Transport (Rear End)	0	1	0	1 Daylight	1 Dry	No	SB	5 Improper Lane Change
208	769055030	2/9/2010	Tuesday	3:40 PM	10.183	18 MV Hit Guardrail / Cable Guardrail	0	1	0	1 Daylight	2 Wet	No	SB	2 Careless Driving
209	769060310	11/2/2010	Tuesday	4:58 PM	10.469	5 Collision with MV in Transport (Angle)	0	1	0	1 Daylight	2 Wet	No	SB	2 Careless Driving
210	776874780	9/8/2010	Wednesday	8:00 PM	10.485	30 Ran Off Road / Into Water	0	0	1	1 Daylight	2 Wet	No	SB	2 Careless Driving
211	776874650	4/13/2010	Tuesday	9:00 AM	10.688	31 Overturned	0	2	0	1 Daylight	1 Dry	No	NB	1 No Improper Driving / Action
212	776812910	2/22/2010	Monday	11:10 AM	11.388	6 Collision with MV in Transport (Sideswipe)	0	0	1	1 Daylight	1 Dry	No	SB	5 Improper Lane Change
213	776899340	4/24/2010	Saturday	1:00 AM	11.388	77 All other	0	0	1	4 Dark/Lights	1 Dry	No	NB	5 Improper Lane Change

Notes:

1. Crash information shown was obtained from the latest output from the FDOT CAR reporting system requested and obtained from FDOT at the time of this study.

TABLE 417-2

SR 417 (Central Florida GreeneWay) Spot Speed Study

Year 2011 Accident / Collision Summary Sheet - Long Form Only

No.	Report ID	Date	Day	Time	Mile Point	Accident Type (Harmful Event)	Fatalities	Injuries	Property Damage Only	Lighting Conditions	Road Surface Conditions	Alcohol Drugs Involved	Travel Direction	Primary Contributing Cause (at fault vehicle)
1	820754730	3/27/2011	Sunday	6:50 AM	0.000	MV Hit Guardrail / Cable Guardrail	0	0	1	3	1	No	NB	77 All Other
2	819858700	1/24/2011	Monday	3:28 PM	0.987	Overturned	0	1	0	1	1	No	NB	2 Careless Driving
3	819891290	8/29/2011	Wednesday	5:00 PM	3.601	Unknown	0	0	1	1	2	No	NA	88 Unknown
4	822600370	1/12/2011	Wednesday	5:25 PM	0.147	Collision with MV in Transport (Rear End)	0	1	0	1	1	No	NB	2 Careless Driving
5	820885420	5/17/2011	Tuesday	10:30 PM	0.198	Collision with MV in Transport (Rear End)	0	1	0	4	1	No	EB	2 Careless Driving
6	822728280	8/18/2011	Thursday	11:55 AM	0.200	Collision with MV in Transport (Rear End)	0	0	1	1	1	No	EB	2 Careless Driving
7	819885440	5/12/2011	Thursday	5:50 PM	0.204	Collision with MV in Transport (Rear End)	0	0	1	1	1	No	NB	2 Careless Driving
8	822653750	6/23/2011	Thursday	12:16 AM	0.000	Collision with MV in Transport (Rear End)	0	0	1	4	1	No	NB	2 Careless Driving
9	828601960	12/24/2011	Saturday	7:20 PM	0.000	Collision with MV in Transport (Rear End)	0	0	1	5	1	No	WB	2 Careless Driving
10	819950790	10/9/2011	Sunday	12:49 PM	0.345	Collision with MV in Transport (Angle)	0	5	0	1	1	No	NB	3 Failed to Yield Right-of-Way
11	928244540	9/22/2011	Thursday	7:58 PM	0.252	Collision with MV in Transport (Rear End)	0	0	1	2	1	No	NB	3 Failed to Yield Right-of-Way
12	820889770	7/16/2011	Saturday	10:05 PM	0.000	Collision with MV in Transport (Angle)	0	3	0	4	1	No	EB	11 Disregarded Traffic Signal
13	819192580	1/21/2011	Friday	12:00 AM	0.000	MV Hit Fence	0	0	1	1	2	No	WB	3 Failed to Yield Right-of-Way
14	828630200	9/11/2011	Sunday	12:00 AM	0.000	Unknown	0	0	1	4	1	No	WB	2 Careless Driving
15	820658700	2/14/2011	Monday	5:01 AM	0.280	Collision with MV in Transport (Angle)	0	9	0	4	1	No	NA	88 Unknown
16	928612300	7/22/2011	Friday	12:30 AM	0.260	Collision with MV in Transport (Angle)	0	0	2	0	1	No	EB	1 No Improper Driving / Action
17	828490840	1/16/2011	Sunday	11:45 PM	0.260	Unknown	0	0	1	4	1	No	EB	11 Disregarded Traffic Signal
18	822009870	7/20/2011	Wednesday	12:00 AM	0.000	Collision with MV in Transport (Angle)	0	1	0	1	1	No	NA	88 Unknown
19	821980440	4/4/2011	Monday	12:30 AM	0.038	Collision with MV in Transport (Rear End)	0	0	1	1	1	No	SB	3 Failed to Yield Right-of-Way
20	828491520	12/30/2011	Friday	10:16 AM	0.000	Collision with MV in Transport (Angle)	0	0	1	1	1	No	EB	10 Followed Too Closely
21	819866820	1/27/2011	Thursday	4:10 AM	0.421	MV Hit Guardrail / Cable Guardrail	0	2	0	1	1	No	NB	77 All Other
22	820886870	5/13/2011	Friday	7:00 PM	0.421	MV Hit Concrete Barrier Wall	0	0	1	2	1	No	NB	2 Careless Driving
23	822761140	7/30/2011	Saturday	5:17 PM	0.421	Collision with MV in Transport (Angle)	0	3	0	1	1	No	EB	2 Careless Driving
24	828675900	12/10/2011	Saturday	1:40 AM	0.421	Collision with MV in Transport (Rear End)	0	0	1	4	1	No	SB	11 Disregarded Traffic Signal
25	820239050	3/15/2011	Tuesday	1:55 PM	0.127	MV Hit Sign/Sign Post	0	1	0	1	1	No	NB	2 Careless Driving
26	828414620	11/19/2011	Friday	7:00 AM	0.318	Collision with MV in Transport (Rear End)	0	1	0	1	1	No	SB	2 Careless Driving
27	819858630	1/10/2011	Monday	4:29 PM	0.000	Overturned	0	1	0	1	2	No	SB	2 Careless Driving
28	820889980	7/31/2011	Sunday	4:07 AM	1.000	MV Hit Sign/Sign Post	0	1	0	4	1	No	SB	2 Careless Driving
29	820239190	4/4/2011	Monday	12:45 PM	1.033	MV Hit Utility Pole/Light Pole	0	1	0	1	1	No	SB	2 Careless Driving
30	820852080	7/24/2011	Sunday	2:49 PM	1.088	Collision with MV in Transport (Rear End)	0	0	1	1	1	No	SB	2 Careless Driving
31	820722480	3/18/2011	Friday	1:06 AM	1.115	Collision with MV in Transport (Angle)	0	0	1	4	1	No	SB	2 Careless Driving
32	820239880	1/11/2011	Saturday	7:45 PM	1.172	Collision with MV in Transport (Rear End)	0	1	0	4	1	No	EB	77 All Other
33	820953740	5/10/2011	Tuesday	1:15 AM	1.570	Unknown	0	1	0	5	1	No	SB	2 Careless Driving
34	828672950	9/28/2011	Wednesday	3:00 AM	1.643	Collision with MV in Transport (Rear End)	0	3	0	5	1	No	NA	88 Unknown
35	822603980	10/1/2011	Saturday	7:35 AM	1.652	Collision with MV in Transport (Rear End)	0	1	0	1	1	No	WE	77 All Other
36	820691530	1/29/2011	Saturday	4:32 PM	1.652	MV Hit Guardrail / Cable Guardrail	0	1	0	1	1	No	SB	2 Careless Driving
37	822453920	9/14/2011	Wednesday	3:15 PM	2.024	Collision with MV in Transport (Rear End)	0	0	1	1	1	No	NB	2 Careless Driving
38	820027720	1/25/2011	Tuesday	5:54 PM	3.070	Collision with MV in Transport (Angle)	0	0	1	5	1	No	NB	2 Careless Driving
39	820691710	6/12/2011	Sunday	11:50 AM	3.070	Unknown	0	0	1	1	1	No	SB	1 No Improper Driving / Action
40	822600380	1/14/2011	Friday	10:48 AM	3.070	Collision with MV in Transport (Rear End)	0	0	1	1	1	No	NA	88 Unknown
												No	NB	2 Careless Driving

TABLE 417-2
SR 417 (Central Florida GreeneWay) Spot Speed Study
 Year 2011 Accident / Collision Summary Sheet - Long Form Only

No.	Report ID	Date	Day	Time	File Point	Accident Type (Harmful Event)	Fatalities	Injuries	Property Damage Only	Lighting Conditions	Road Surface Conditions	Alcohol Drugs Involved	Travel Direction	Primary Contributing Cause (at fault vehicle)
81	828443990	8/23/2011	Tuesday	12:39 PM	0.273	Collision with Bicycle	0	1	0	1	Dry	No	NB	1 No Improper Driving / Action
82	820765560	4/4/2011	Monday	5:40 AM	0.000	Collision with MV in Transport (Angle)	0	1	0	1	Dry	No	EB	1 No Improper Driving / Action
83	828414570	11/30/2011	Wednesday	9:05 AM	0.300	Collision with MV in Transport (Rear End)	0	2	0	1	Dry	No	SB	2 Careless Driving
84	822453280	5/8/2011	Sunday	8:30 AM	0.277	Collision with MV in Transport (Rear End)	0	1	0	1	Dry	No	SB	2 Careless Driving
85	820023770	9/10/2011	Saturday	10:31 AM	0.000	Collision with MV in Transport (Angle)	0	5	0	1	Dry	No	NB	2 Careless Driving
86	820609640	2/3/2011	Thursday	7:53 AM	0.290	Collision with MV in Transport (Rear End)	0	0	1	1	Dry	No	NB	2 Careless Driving
87	822804260	10/13/2011	Monday	9:00 AM	0.290	MV Hit Guardrail / Cable Guardrail	0	1	0	1	Dry	No	NB	2 Careless Driving
88	820740450	10/19/2011	Wednesday	10:50 AM	0.004	Overturned	0	2	0	1	Dry	No	NB	2 Careless Driving
88	828261500	10/10/2011	Monday	3:56 AM	0.055	Overturned	0	1	0	4	Dark/Lights	No	NB	77 All Other
90	820238960	2/27/2011	Sunday	3:35 PM	0.200	Collision with MV in Transport (Rear End)	0	1	0	1	Dry	No	SB	12 Exceeded Safe Speed Limit
91	828270590	11/11/2011	Friday	12:17 AM	0.458	Collision with MV in Transport (Rear End)	0	0	1	4	Dark/Lights	Yes	SB	2 Careless Driving
92	820238730	11/10/2011	Monday	5:10 AM	0.000	Overturned	0	1	0	1	Dry	No	SB	2 Careless Driving
93	822453970	9/22/2011	Thursday	3:05 PM	0.208	MV Hit Guardrail / Cable Guardrail	0	0	1	1	Dry	No	SB	2 Careless Driving
94	819593910	3/19/2011	Tuesday	6:35 PM	0.322	Collision with Bicycle	0	1	0	1	Dry	No	SB	2 Careless Driving
95	822623550	7/7/2011	Thursday	5:04 PM	0.322	Collision with Bicycle	0	1	0	1	Dry	No	NB	2 Careless Driving
96	820931370	8/26/2011	Friday	10:38 AM	0.142	Collision with MV in Transport (Rear End)	0	0	1	1	Dry	No	SB	3 Failed to Yield Right-of-Way
97	820238130	3/30/2011	Wednesday	5:25 PM	0.190	MV Hit Other Fixed Object	0	0	1	1	Dry	No	NB	2 Careless Driving
98	819811940	1/18/2011	Tuesday	3:00 AM	0.853	Unknown	0	0	1	1	Dry	No	NB	2 Careless Driving
99	828386120	11/5/2011	Saturday	11:48 PM	0.239	MV Hit Concrete Barrier Wall	0	2	0	4	Dark/Lights	No	NA	88 Unknown
100	820327750	2/4/2011	Friday	11:01 AM	0.643	Collision with MV in Transport (Angle)	0	1	0	1	Dry	No	WB	2 Careless Driving
101	820027910	3/28/2011	Monday	1:15 AM	0.643	Overturned	0	1	0	1	Dry	No	SB	1 No Improper Driving / Action
102	828299260	9/28/2011	Wednesday	10:15 PM	0.643	MV Hit Concrete Barrier Wall	0	0	1	4	Dark/Lights	No	SB	1 No Improper Driving / Action
103	822453990	9/22/2011	Thursday	8:25 PM	0.776	MV Hit Concrete Barrier Wall	0	1	0	4	Dark/Lights	No	EB	77 All Other
104	820238660	2/10/2011	Thursday	11:35 AM	0.101	MV Hit Concrete Barrier Wall	0	1	0	4	Dark/Lights	No	WB	2 Careless Driving
105	820023170	1/18/2011	Tuesday	6:30 AM	0.105	MV Hit Concrete Barrier Wall	0	2	0	3	Down	No	EB	2 Careless Driving
106	828297530	9/23/2011	Friday	12:44 PM	0.268	Collision with MV in Transport (Angle)	0	0	1	1	Dry	No	WB	2 Careless Driving
107	820629560	2/25/2011	Friday	3:50 AM	0.145	MV Hit Guardrail / Cable Guardrail	0	1	0	4	Dark/Lights	No	WB	3 Failed to Yield Right-of-Way
108	822011750	10/19/2011	Wednesday	12:00 AM	0.881	All other	0	0	1	4	Dark/Lights	No	NB	2 Careless Driving
109	820236440	2/22/2011	Tuesday	12:29 AM	1.195	Collision with MV in Transport (Rear End)	0	2	0	4	Dark/Lights	No	SB	1 No Improper Driving / Action
110	830027830	2/25/2011	Friday	8:01 PM	1.354	Collision with MV in Transport (Rear End)	0	0	1	1	Dry	Yes	NB	2 Careless Driving
111	822600230	10/12/2011	Saturday	3:28 PM	1.382	Unknown	0	0	1	1	Dry	No	NB	1 No Improper Driving / Action
112	822571910	11/17/2011	Thursday	5:49 PM	1.392	Collision with MV in Transport (Rear End)	0	0	1	1	Dry	No	NA	88 Unknown
113	820644590	10/8/2011	Saturday	9:30 PM	1.450	All other	0	0	1	4	Dark/Lights	No	NB	1 No Improper Driving / Action
114	820238020	3/11/2011	Friday	2:55 PM	1.454	Collision with MV in Transport (Rear End)	0	1	0	4	Dark/Lights	No	SB	77 All Other
115	820023430	7/31/2011	Sunday	7:50 PM	1.454	Collision with MV in Transport (Rear End)	0	0	1	2	Dusk	No	NB	2 Careless Driving
116	820240470	10/26/2011	Wednesday	7:40 AM	1.454	All other	0	1	0	1	Dry	No	NB	2 Careless Driving
117	819866600	6/6/2011	Monday	5:45 PM	1.581	Collision with MV in Transport (Rear End)	0	1	0	1	Dry	No	SB	1 No Improper Driving / Action
118	822604090	10/24/2011	Monday	4:25 PM	1.604	Collision with MV in Transport (Rear End)	0	1	0	1	Dry	No	NB	2 Careless Driving
119	820681260	3/24/2011	Thursday	1:40 AM	1.642	Collision with MV in Transport (Angle)	0	0	1	4	Dark/Lights	No	NB	2 Careless Driving
120	828414550	11/29/2011	Tuesday	9:50 AM	1.854	MV Hit Concrete Barrier Wall	0	1	0	1	Dry	No	SB	2 Careless Driving

TABLE 417-2

SR 417 (Central Florida GreeneWay) Spot Speed Study

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No.	Report ID	Date	Day	Time	Mile Point	Accident Type (Harmful Event)	Fatalities	Injuries	Property Damage Only	Lighting Conditions	Road Surface Conditions	Alcohol Drugs Involved	Travel Direction	Primary Contributing Cause (at fault vehicle)
161	828352440	11/13/2011	Sunday	11:18 PM	9.776	88 Unknown	0	0	1	4 Dark/Lights	1 Dry	No	NA	88 Unknown
162	821451910	9/9/2011	Friday	6:20 PM	10.127	3 Collision with MV in Transport (Angle)	0	7	0	1 Daylight	2 Wet	No	SB	2 Careless Driving
163	820028010	4/7/2011	Thursday	5:01 PM	10.173	2 Collision with MV in Transport (Angle)	0	2	0	1 Daylight	3 Dry	No	SB	1 No Improper Driving / Action
164	828409230	10/13/2011	Thursday	6:57 PM	10.173	77 All other	0	0	1	2 Dusk	1 Dry	No	SB	77 All Other
165	820027710	11/5/2011	Saturday	1:04 PM	10.174	18 MV Hit Guardrail / Cable Guardrail	0	0	1	1 Daylight	1 Dry	No	SB	1 No Improper Driving / Action
166	922531410	5/18/2011	Saturday	3:07 AM	10.174	88 Unknown	0	0	1	4 Dark/Lights	2 Wet	No	NA	88 Unknown
167	820283100	3/25/2011	Friday	4:18 PM	10.256	18 MV Hit Guardrail / Cable Guardrail	0	1	0	1 Daylight	1 Dry	No	SB	2 Careless Driving
168	828461720	10/27/2011	Thursday	2:09 AM	10.403	20 MV Hit Concrete Barrier Wall	0	1	0	4 Dark/Lights	1 Dry	No	SB	77 All Other
169	820027740	2/4/2011	Friday	6:26 AM	10.469	18 MV Hit Guardrail / Cable Guardrail	0	0	1	1 Daylight	2 Wet	No	SB	1 No Improper Driving / Action
170	822604100	10/24/2011	Monday	8:25 PM	10.469	77 All other	0	1	0	4 Dark/Lights	1 Dry	No	SB	77 All Other
171	820023620	8/17/2011	Wednesday	7:20 PM	10.488	1 Collision with MV in Transport (Rear End)	0	3	0	1 Daylight	2 Wet	No	SB	2 Careless Driving
172	820023630	8/17/2011	Wednesday	2:54 PM	10.488	18 MV Hit Guardrail / Cable Guardrail	0	1	0	1 Daylight	2 Wet	No	SB	2 Careless Driving
173	820641940	10/10/2011	Monday	8:11 AM	10.588	88 Unknown	0	0	1	3 Dawn	2 Wet	No	NA	88 Unknown
174	820681270	3/24/2011	Thursday	3:45 AM	10.720	2 Collision with MV in Transport (Head On)	2	0	0	4 Dark/Lights	1 Dry	Yes	SB	2 Careless Driving
175	820240220	8/27/2011	Saturday	8:20 AM	10.888	9 Collision with MV on Other Roadway	0	0	1	1 Daylight	1 Dry	No	SB	1 No Improper Driving / Action
176	828442730	10/28/2011	Friday	2:27 AM	10.888	31 Overturned	0	3	0	4 Dark/Lights	1 Dry	No	SB	2 Careless Driving

Notes

1. Crash information shown was obtained from the latest output from the FDOT CAR reporting system requested and obtained from FDOT at the time of this study.

TABLE 417-3

SR 417 (Central Florida GreeneWay) Spot Speed Study

Year 2012 Accident / Collision Summary Sheet - Long Form Only

No.	Report ID	Date	Day	Time	Mile Point	Accident Type (Harmful Event)	Fatalities	Injuries	Property Damage Only	Lighting Conditions	Road Surface Conditions	Alcohol Drugs Involved	Travel Direction	Primary Contributing Cause (at fault vehicle)
1	831757490	7/24/2012	Tuesday	9:58 PM	0.051	Collision with MV in Transport (Rear End)	0	1	0	4	Dark/Lights	1	Dry	2 Careless Driving
2	826502850	7/2/2012	Monday	5:12 AM	1.033	Collision with Animal	0	0	1	4	Dark/Lights	1	Dry	1 No Improper Driving / Action
3	828741500	2/11/2012	Saturday	2:29 AM	0.000	MV Hit Tree / Shrubbery	0	1	0	5	Dark/No Lights	2	Wet	2 Careless Driving
4	831696260	9/18/2012	Tuesday	3:16 PM	0.000	MV Hit Guardrail / Cable Guardrail	0	0	0	1	Daylight	2	Wet	12 Exceeded Safe Speed Limit
5	828376290	9/17/2012	Monday	3:58 PM	0.100	Collision with Parked Car	0	0	0	1	Daylight	2	Wet	12 Exceeded Safe Speed Limit
6	831551740	5/31/2012	Thursday	3:34 PM	0.102	MV Hit Guardrail / Cable Guardrail	0	0	0	4	Dark/Lights	2	Wet	2 Careless Driving
7	828376280	9/17/2012	Monday	3:56 PM	0.304	MV Hit Guardrail / Cable Guardrail	0	0	0	1	Daylight	2	Wet	12 Exceeded Safe Speed Limit
8	828376370	9/21/2012	Friday	6:40 PM	0.304	MV Hit Guardrail / Cable Guardrail	0	0	0	2	Dusk	2	Wet	12 Exceeded Safe Speed Limit
9	831696210	9/14/2012	Friday	5:06 PM	0.350	Collision with MV on Other Roadway	0	0	0	1	Daylight	2	Wet	12 Exceeded Safe Speed Limit
10	831696270	9/18/2012	Tuesday	3:21 PM	0.400	Collision with Parked Car	0	0	0	1	Daylight	2	Wet	1 No Improper Driving / Action
11	928708850	7/11/2012	Wednesday	3:40 PM	0.404	MV Hit Guardrail / Cable Guardrail	0	0	0	1	Daylight	2	Wet	12 Exceeded Safe Speed Limit
12	831440000	6/8/2012	Saturday	2:55 AM	0.461	MV Hit Guardrail / Cable Guardrail	0	1	0	4	Dark/Lights	2	Wet	2 Careless Driving
13	828581790	10/2/2012	Tuesday	5:35 PM	0.471	Collision with MV in Transport (Rear End)	0	0	0	1	Daylight	2	Wet	2 Careless Driving
14	828581780	10/2/2012	Tuesday	5:35 PM	0.480	Collision with MV in Transport (Rear End)	0	0	0	1	Daylight	2	Wet	2 Careless Driving
15	828502760	6/6/2012	Wednesday	7:36 PM	0.611	MV Hit Concrete Barrier Wall	0	0	0	3	Dawn	2	Wet	1 No Improper Driving / Action
16	831729890	8/5/2012	Sunday	2:01 PM	0.694	All other	0	0	0	1	Daylight	2	Wet	77 All Other
17	828581770	10/1/2012	Monday	8:30 PM	0.827	Collision with MV on Other Roadway	0	0	0	4	Dark/Lights	2	Wet	2 Careless Driving
18	828414820	2/2/2012	Thursday	4:00 AM	0.866	Unknown	0	0	0	4	Dark/Lights	1	Dry	88 Unknown
19	831729800	6/26/2012	Tuesday	7:58 AM	1.047	Unknown	0	0	0	1	Daylight	2	Wet	88 Unknown
20	828943940	4/2/2012	Monday	2:39 AM	0.004	MV Hit Sign/Sign Post	0	0	0	5	Dark/No Lights	1	Dry	1 No Improper Driving / Action
21	819825020	1/23/2012	Monday	7:03 PM	0.200	Overturned	0	1	0	4	Dark/Lights	1	Dry	2 Careless Driving
22	832287430	12/26/2012	Wednesday	2:46 PM	0.503	Collision with MV in Transport (Rear End)	0	0	0	1	Daylight	2	Wet	2 Careless Driving
23	832161340	10/8/2012	Monday	7:20 AM	0.522	Unknown	0	0	0	1	Daylight	1	Dry	88 Unknown
24	932161630	12/29/2012	Saturday	10:45 AM	0.000	MV Hit Guardrail / Cable Guardrail	0	1	0	1	Daylight	1	Dry	2 Careless Driving
25	832161590	12/28/2012	Friday	8:15 PM	0.000	Collision with MV in Transport (Rear End)	0	1	0	4	Dark/Lights	2	Wet	2 Careless Driving
26	828414730	1/7/2012	Saturday	4:15 PM	0.201	Collision with MV in Transport (Rear End)	0	0	0	1	Daylight	1	Dry	2 Careless Driving
27	931691170	9/22/2012	Saturday	1:38 PM	0.201	Collision with MV in Transport (Rear End)	0	0	0	1	Daylight	1	Dry	2 Careless Driving
28	832163680	10/8/2012	Monday	11:26 AM	0.000	Collision with MV in Transport (Angle)	0	0	0	1	Daylight	1	Dry	21 Driving Wrong/Side Way
29	828581730	9/28/2012	Friday	4:43 PM	0.413	MV Hit Guardrail / Cable Guardrail	0	0	0	1	Daylight	2	Wet	2 Careless Driving
30	831637010	8/30/2012	Thursday	8:10 PM	0.451	Unknown	0	0	0	2	Dusk	2	Wet	88 Unknown
31	831578650	6/10/2012	Sunday	6:05 AM	0.000	Unknown	0	0	0	4	Dark/Lights	2	Wet	88 Unknown
32	832402040	10/31/2012	Wednesday	5:58 AM	0.000	Collision with MV in Transport (Angle)	0	1	0	4	Dark/Lights	1	Dry	77 All Other
33	828807180	2/26/2012	Sunday	11:18 AM	0.359	Collision with MV in Transport (Angle)	0	1	0	1	Daylight	1	Dry	77 All Other
34	828712740	5/12/2012	Saturday	1:26 PM	0.359	Collision with MV in Transport (Angle)	0	0	0	1	Daylight	1	Dry	11 Disregarded Traffic Signal
35	831607970	6/13/2012	Wednesday	4:10 PM	0.359	Collision with MV in Transport (Angle)	0	0	0	1	Daylight	1	Dry	11 Disregarded Traffic Signal
36	831723060	7/17/2012	Tuesday	5:31 PM	0.359	Collision with MV in Transport (Angle)	0	2	0	1	Daylight	1	Dry	77 All Other
37	828502700	5/28/2012	Monday	3:38 PM	0.000	Collision with MV in Transport (Angle)	0	3	0	1	Daylight	2	Wet	1 No Improper Driving / Action
38	828415030	3/29/2012	Thursday	5:30 PM	0.269	Collision with MV in Transport (Rear End)	0	1	0	1	Daylight	1	Dry	2 Careless Driving
39	833508570	5/14/2012	Monday	12:00 AM	0.260	Collision with MV on Other Roadway	0	1	0	4	Dark/Lights	2	Wet	2 Careless Driving
40	831590060	6/7/2012	Thursday	9:27 AM	0.260	Collision with MV in Transport (Angle)	0	1	0	1	Daylight	2	Wet	77 All Other

TABLE 417-3

SR 417 (Central Florida GreeneWay) Spot Speed Study

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No.	Report ID	Date	Day	Time	Mile Point	Accident Type (Harmful Event)	Fatalities	Injuries	Property Damage Only	Lighting Conditions	Road Surface Conditions	Alcohol Drugs Involved	Travel Direction	Primary Contributing Cause (at fault vehicle)
81	831540400	6/24/2012	Sunday	5:37 PM	4.695	Overtaken	0	0	1	1	Wet	No	SB	Careless Driving
82	832287370	11/17/2012	Saturday	3:00 PM	4.888	Overtaken	0	1	0	1	Daylight	No	SB	Careless Driving
83	828831800	3/5/2012	Sunday	8:43 AM	5.066	Unknown	0	0	1	1	Daylight	No	NA	Unknown
84	832485450	11/29/2012	Thursday	3:12 AM	5.220	MV Hit Guardrail / Cable Guardrail	0	0	1	5	Dark/No Lights	No	EB	No Improper Driving / Action
85	828722340	11/17/2012	Saturday	9:25 AM	5.471	All other	0	0	1	1	Daylight	No	EB	All Other
86	831729940	8/12/2012	Sunday	10:00 AM	5.866	All other	0	0	1	1	Daylight	No	SB	No Improper Driving / Action
87	832287410	12/3/2012	Monday	4:32 PM	5.951	MV Hit Other Fixed Object	0	0	1	1	Daylight	No	NB	Careless Driving
88	828581350	3/5/2012	Monday	2:26 PM	6.295	Collision with MV in Transport (Angle)	0	0	1	1	Daylight	No	NB	No Improper Driving / Action
89	831790190	12/2/2012	Sunday	2:10 PM	6.463	MV Hit Guardrail / Cable Guardrail	0	1	0	1	Daylight	No	WB	No Improper Driving / Action
90	831551750	6/2/2012	Saturday	2:45 AM	7.045	Unknown	0	0	1	4	Dark/Lights	Wet	NA	Careless Driving
91	831730200	11/1/2012	Thursday	6:42 PM	7.181	All other	0	1	0	1	Daylight	Dry	SB	Careless Driving
92	831685950	7/3/2012	Tuesday	5:47 PM	7.276	Unknown	0	0	1	1	Daylight	Dry	NA	Unknown
93	828678320	1/11/2012	Wednesday	2:22 PM	7.340	Collision with MV in Transport (Angle)	0	3	0	1	Daylight	Wet	SB	No Improper Driving / Action
94	829033490	5/5/2012	Saturday	11:58 PM	7.372	Collision with MV in Transport (Rear End)	0	0	1	5	Dark/No Lights	Dry	SB	Careless Driving
95	828712260	1/28/2012	Saturday	2:50 PM	7.821	Collision with MV in Transport (Rear End)	0	3	0	1	Daylight	Dry	SB	All Other
96	828581340	3/4/2012	Sunday	9:11 PM	8.321	Unknown	0	0	1	4	Dark/Lights	Dry	NA	Unknown
97	820617250	3/7/2012	Wednesday	7:05 PM	8.321	MV Hit Guardrail / Cable Guardrail	0	0	0	4	Dark/Lights	Dry	SB	All Other
98	831629380	6/23/2012	Saturday	2:24 AM	9.456	Unknown	0	0	0	4	Dark/Lights	Wet	NA	Unknown
99	828820400	7/14/2012	Saturday	9:27 AM	9.696	Collision with MV on Other Roadway	0	0	1	1	Daylight	Dry	SB	Careless Driving
100	831730330	12/15/2012	Saturday	8:43 PM	10.936	Unknown	0	0	1	4	Dark/Lights	Dry	NA	Unknown
101	833581300	12/28/2012	Friday	12:00 AM	11.841	Collision with MV on Other Roadway	0	0	1	4	Dark/Lights	Wet	SB	Careless Driving
102	833555970	9/18/2012	Tuesday	12:00 AM	12.920	Collision with MV on Other Roadway	0	0	1	4	Dark/Lights	Dry	NB	No Improper Driving / Action
103	829705250	5/3/2012	Thursday	12:00 AM	12.930	Overtaken	0	2	0	4	Dark/Lights	Dry	WB	Careless Driving
104	831571150	6/24/2012	Sunday	11:04 PM	13.130	Ran Off Road / Into Water	0	0	0	5	Dark/No Lights	Wet	NB	No Improper Driving / Action
105	833585570	11/28/2012	Wednesday	12:00 AM	13.330	Collision with Moveable Object On Road	0	0	1	1	Daylight	Dry	SB	No Improper Driving / Action
106	833555990	10/20/2012	Saturday	12:00 AM	13.690	Collision with MV on Other Roadway	0	0	1	4	Dark/Lights	Dry	SR	No Improper Driving / Action
107	833590420	12/19/2012	Wednesday	12:00 AM	13.930	Collision with MV in Transport (Rear End)	0	0	0	5	Dark/No Lights	Dry	NB	No Improper Driving / Action
108	831866550	9/7/2012	Friday	3:49 AM	14.703	Overtaken	0	1	0	5	Dark/No Lights	Dry	NB	Careless Driving
109	828722400	12/19/2012	Wednesday	4:30 PM	15.253	All other	0	2	0	1	Daylight	Dry	EB	All Other
110	829055610	9/12/2012	Wednesday	11:22 PM	15.992	MV Hit Tree / Shrubbery	0	0	1	4	Dark/Lights	Dry	SB	Careless Driving
111	831722550	6/24/2012	Sunday	7:29 PM	16.293	MV Ran into Ditch / Culvert	0	0	1	1	Daylight	Wet	NB	Careless Driving
112	828708640	4/8/2012	Sunday	11:05 AM	17.197	Overtaken	0	1	0	1	Daylight	Dry	SB	Careless Driving
113	828708530	3/12/2012	Monday	9:55 AM	17.567	Overtaken	0	1	0	1	Daylight	Dry	NB	No Improper Driving / Action
114	832485570	12/5/2012	Wednesday	11:23 PM	17.750	MV Hit Guardrail / Cable Guardrail	0	0	1	4	Dark/Lights	Dry	NB	Careless Driving
115	832558140	12/30/2012	Sunday	12:35 AM	18.268	Unknown	0	0	1	4	Dark/Lights	Dry	NA	Unknown
116	828722350	11/20/2012	Tuesday	6:53 AM	19.368	All other	0	0	1	1	Daylight	Dry	SB	No Improper Driving / Action
117	828447640	6/21/2012	Thursday	1:08 AM	19.411	Collision with Crash Attenuators	0	0	1	4	Dark/Lights	Wet	SB	Careless Driving
118	819566120	3/19/2012	Monday	1:33 AM	19.632	Collision with MV in Transport (Rear End)	0	0	1	4	Dark/Lights	Dry	SB	Careless Driving
119	832287350	11/12/2012	Monday	5:24 PM	19.542	Overtaken	0	0	1	1	Daylight	Dry	NB	Careless Driving
120	831729860	7/20/2012	Friday	9:27 AM	20.149	Collision with MV in Transport (Rear End)	0	2	0	1	Daylight	Dry	SB	Careless Driving

TABLE 417-3

SR 417 (Central Florida Greeneway) Spot Speed Study

Year 2012 Accident / Collision Summary Sheet - Long Form Only

No.	Report ID	Date	Day	Time	Mile Point	Accident Type (Harmful Event)	Fatalities	Injuries	Property Damage Only	Lighting Conditions	Road Surface Conditions	Alcohol Drugs Involved	Travel Direction	Primary Contributing Cause (at fault vehicle)	
161	831692740	8/12/2012	Sunday	1:30 PM	0.876	Collision with MV on Other Roadway	0	1	0	1	1	Dry	SB	77 All Other	
162	831440010	6/4/2012	Sunday	10:00 PM	0.000	Collision with MV in Transport (Rear End)	0	0	1	4	Dark/Lights	2	WB	3 Failed to Yield Right-of-Way	
163	831730030	9/4/2012	Tuesday	10:35 AM	0.000	Collision with MV in Transport (Rear End)	0	1	0	1	Daylight	1	Dry	NB	2 Careless Driving
164	828723260	12/1/2012	Saturday	7:59 AM	0.012	Collision With Moveable Object On Road	0	0	1	1	Daylight	1	Dry	EB	77 All Other
165	828581290	2/17/2012	Friday	9:11 PM	0.023	MV Hit Concrete Barrier Wall	0	1	0	4	Dark/Lights	2	Wet	EB	2 Careless Driving
166	831729970	7/23/2012	Monday	5:39 PM	0.130	MV Hit Guardrail / Cable Guardrail	0	0	1	1	Daylight	2	Wet	SB	1 No Improper Driving / Action
167	828271480	12/14/2012	Friday	4:22 AM	0.038	MV Hit Other Fixed Object	0	0	1	4	Dark/Lights	1	Dry	NB	2 Careless Driving
168	829070700	3/29/2012	Thursday	2:51 AM	0.000	Unknown	0	0	1	4	Dark/Lights	1	Dry	NA	88 Unknown
169	831729980	7/19/2012	Thursday	11:30 AM	1.353	Collision with MV in Transport (Rear End)	0	1	0	1	Daylight	1	Dry	SB	2 Careless Driving
170	832164050	10/26/2012	Friday	10:53 PM	1.604	MV Hit Other Fixed Object	0	0	1	4	Dark/Lights	2	Wet	NB	2 Careless Driving
171	828651910	1/17/2012	Tuesday	12:45 AM	1.854	Collision with MV in Transport (Angle)	0	1	0	4	Dark/Lights	1	Dry	WB	2 Careless Driving
172	828581650	8/17/2012	Friday	2:52 PM	2.028	Collision with MV in Transport (Rear End)	0	0	1	1	Daylight	2	Wet	NB	2 Careless Driving
173	831451370	4/24/2012	Tuesday	12:20 PM	2.662	MV Hit Guardrail / Cable Guardrail	0	1	0	1	Daylight	1	Dry	SB	2 Careless Driving
174	828414800	1/24/2012	Tuesday	4:55 PM	2.962	MV Hit Guardrail / Cable Guardrail	0	1	0	1	Daylight	1	Dry	NB	2 Careless Driving
175	831741850	8/7/2012	Tuesday	1:51 PM	3.094	MV Hit Guardrail / Cable Guardrail	0	1	0	1	Daylight	1	Dry	SB	2 Careless Driving
176	822604250	1/17/2012	Tuesday	8:35 AM	3.162	Collision With Moveable Object On Road	0	1	0	1	Daylight	1	Dry	SB	2 Careless Driving
177	829063420	9/26/2012	Wednesday	7:40 AM	3.362	Unknown	0	2	0	0	1	1	Dry	SB	77 All Other
178	828409780	5/9/2012	Thursday	7:57 PM	3.567	Unknown	0	0	1	1	Daylight	1	Dry	NA	88 Unknown
179	932267230	10/25/2012	Thursday	5:45 AM	3.605	MV Hit Guardrail / Cable Guardrail	0	1	0	2	Dusk	1	Dry	SB	2 Careless Driving
180	828414840	2/6/2012	Monday	7:35 AM	3.703	MV Hit Guardrail / Cable Guardrail	0	1	0	4	Dark/Lights	2	Wet	NB	2 Careless Driving
181	828409560	2/6/2012	Monday	7:18 AM	3.779	Unknown	0	0	1	0	1	2	Wet	SB	2 Careless Driving
182	828678380	1/19/2012	Thursday	6:20 AM	3.873	Collision with MV in Transport (Rear End)	0	1	0	5	Dark/No Lights	1	Dry	NA	88 Unknown
183	831730020	8/31/2012	Friday	6:00 PM	4.835	Unknown	0	0	1	1	Daylight	1	Dry	NA	88 Unknown
184	828708390	12/5/2012	Wednesday	7:30 PM	4.971	Collision with MV in Transport (Rear End)	0	1	0	5	Dark/No Lights	1	Dry	SB	2 Careless Driving
185	832368030	12/2/2012	Saturday	2:50 AM	5.189	Collision with MV in Transport (Head On)	0	2	0	5	Dark/No Lights	1	Dry	NB	21 Driving Wrong/Side-Way
186	828414740	1/8/2012	Sunday	6:10 PM	5.240	Unknown	0	1	0	5	Dark/No Lights	1	Dry	NA	88 Unknown
187	828502910	7/16/2012	Sunday	1:52 PM	5.702	MV Hit Guardrail / Cable Guardrail	0	0	1	1	Daylight	2	Wet	NB	1 No Improper Driving / Action
188	831790220	12/3/2012	Monday	7:02 PM	5.744	Collision with MV in Transport (Rear End)	0	0	1	4	Dark/Lights	1	Dry	EB	2 Careless Driving
189	822604590	4/16/2012	Monday	5:19 PM	6.177	Collision with MV in Transport (Angle)	0	1	0	1	Daylight	1	Dry	SB	2 Careless Driving
190	831544490	6/20/2012	Wednesday	11:26 PM	6.200	Unknown	0	0	1	5	Dark/No Lights	2	Wet	NA	88 Unknown
191	832528490	12/9/2012	Sunday	10:25 PM	6.294	MV Hit Guardrail / Cable Guardrail	0	0	1	4	Dark/Lights	1	Dry	NB	2 Careless Driving
192	820240740	2/23/2012	Thursday	11:00 AM	6.465	Unknown	0	1	1	1	Daylight	1	Dry	NA	88 Unknown
193	829063000	5/17/2012	Thursday	8:45 AM	6.465	MV Hit Concrete Barrier Wall	0	1	0	0	1	2	Wet	SB	1 No Improper Driving / Action
194	831968550	10/12/2012	Friday	10:50 PM	6.541	Collision with MV in Transport (Rear End)	0	1	0	4	Dark/Lights	1	Dry	SB	2 Careless Driving
195	831730230	1/17/2012	Wednesday	6:16 PM	6.642	Unknown	0	1	0	2	Dusk	1	Dry	NA	88 Unknown
196	828415080	4/5/2012	Thursday	1:40 PM	6.646	Collision with Crash Attenuators	0	1	0	1	Daylight	1	Dry	SB	2 Careless Driving
197	828584970	4/25/2012	Wednesday	2:35 AM	6.735	Collision with Parked Car	0	0	1	4	Dark/Lights	1	Dry	NB	2 Careless Driving
198	831587340	7/24/2012	Tuesday	6:22 PM	7.090	Collision with MV in Transport (Rear End)	0	1	0	1	Daylight	1	Dry	SB	1 No Improper Driving / Action
199	831739980	8/23/2012	Thursday	4:22 PM	7.127	MV Hit Concrete Barrier Wall	0	0	1	1	Daylight	1	Dry	SB	2 Careless Driving
200	829065520	6/24/2012	Sunday	3:20 AM	7.446	MV Hit Concrete Barrier Wall	0	2	0	4	Dark/Lights	2	Wet	SB	2 Careless Driving

ACCIDENT TYPE (HARMFUL EVENT)

1	Collision with MV in Transport (Rear End)	42	18.3%
2	Collision with MV in Transport (Head On)	2	0.9%
3	Collision with MV in Transport (Angle)	25	10.9%
4	Collision with MV in Transport, Same Direction	1	0.4%
5	Collision with MV in Transport, Opposite Direction	0	0.0%
6	Collision with MV in Transport (Sideswipe)	0	0.0%
7	Collision with MV in Transport (Backed Into)	0	0.0%
8	Collision with Parked Car	5	2.2%
9	Collision with MV on Other Roadway	12	5.2%
10	Collision with Pedestrian	0	0.0%
11	Collision with Bicycle	0	0.0%
12	Collision with Bicycle (Bike Lane)	0	0.0%
13	Collision with Moped	0	0.0%
14	Collision with Train	0	0.0%
15	Collision with Animal	8	3.3%
16	MV Hit Sign/Sign Post	2	0.8%
17	MV Hit Utility Pole/Light Pole	1	0.4%
18	MV Hit Guardrail / Cable Guardrail	43	18.7%
19	MV Hit Fence	1	0.4%
20	MV Hit Concrete Barrier Wall	10	4.3%
21	MV Hit Bridge / Pier / Abutment / Rail	0	0.0%
22	MV Hit Tree / Shrubbery	4	1.7%
23	Collision with Construction Barricade Sign	0	0.0%
24	Collision with Traffic Gate	0	0.0%
25	Collision with Crash Attenuators	2	0.9%
26	Collision with Fixed Object Above Road	0	0.0%
27	MV Hit Other Fixed Object	5	2.2%
28	Collision With Moveable Object On Road	4	1.7%
29	MV Ran into Ditch / Culvert	3	1.3%
30	Ran Off Road / Into Water	8	3.4%
31	Overtaken	14	6.1%
32	Occupant Fell From Vehicle	4	1.8%
33	Tractor/Trailer Jackknifed	0	0.0%
34	Fire	0	0.0%
35	Explosion	0	0.0%
36	Downhill Runaway	0	0.0%
37	Cargo Loss or Shift	0	0.0%
38	Separation Of Units	0	0.0%
39	Median Crossover	0	0.0%
77	All other	16	6.8%
88	Unknown	32	13.9%
	TOTAL	230	100%

ACCIDENT PRIMARY CONTRIBUTING CAUSE

1	No Improper Driving / Action	38	17.0%
2	Careless Driving	108	47.0%
3	Failed to Yield Right-of-Way	1	0.5%
4	Improper Backing	1	0.4%
5	Improper Lane Change	0	0.0%
6	Improper Turn	0	0.0%
7	Alcohol - Under Influence	0	0.0%
8	Drugs - Under Influence	0	0.0%
9	Alcohol & Drugs - Under Influence	0	0.0%
10	Followed Too Closely	1	0.4%
11	Disregarded Traffic Signal	6	2.6%
12	Exceeded Safe Speed Limit	14	5.2%
13	Disregarded Stop Sign	0	0.0%
14	Failed To Maintain Equip/Vehicle	0	0.0%
15	Improper Passing	0	0.0%
16	Drove Left of Center	0	0.0%
17	Exceeded State Speed Limit	0	0.0%
18	Obstructing Traffic	0	0.0%
19	Improper Load	0	0.0%
20	Disregarded Traffic Control	0	0.0%
21	Driving Wrong/Side Way	2	0.9%
22	Fleeing Police	0	0.0%
23	Vehicle Modified	0	0.0%
24	Driver Distraction	0	0.0%
77	All Other	25	10.9%
88	Unknown	33	14.3%
	TOTAL	230	100%

Lighting Conditions

1	Daylight	135	58.7%
2	Dusk	13	5.7%
3	Dawn	3	1.3%
4	Dark/Lights	57	24.8%
5	Dark/No Lights	21	9.1%
6	Dark Unknown	0	0.0%
88	Unknown	1	0.4%
	TOTAL	230	100%

Road Surface Conditions

1	Dry	148	64.3%
2	Wet	82	35.7%
3	Slippery	0	0.0%
4	Icy	0	0.0%
88	Unknown	0	0.0%
	TOTAL	230	100%

**FLORIDA DEPARTMENT OF TRANSPORTATION
VEHICLE SPOT SPEED STUDY**

LOCATION ID: <u>SR 417</u>		SECTION: <u>Sensor 8.2</u>	
LOCATION: <u>Idrive - JYP</u>		City: <u>Orlando</u>	MP: <u>8.000</u>
SPEED LIMIT (MPH): <u>65</u>		Weather: <u>Sunny</u>	County: <u>Orange</u>
DATE: <u>10/08/13</u>		Time From: <u>1:00 PM</u>	To: <u>3:00 PM</u>
OBSERVER: <u>CER</u>		REMARKS: <u>Data Collected Based on OOCEA Wavetronic Sensors</u>	

Southbound		SPEED MPH	Northbound		Both Directions	
Cumulative Total	TOTAL		TOTAL	Cumulative Total	TOTAL	CUM TOTAL
	0	90	0			
	0	89	1	342	1	771
429	1	88	1	341	2	770
428	2	87	1	340	3	768
	0	86	2	339	2	765
426	2	85	1	337	3	763
424	2	84	3	336	5	760
422	9	83	2	333	11	755
413	10	82	4	331	14	744
403	8	81	6	327	14	730
395	7	80	8	321	15	716
388	14	79	6	313	20	701
374	13	78	8	307	21	681
361	21	77	7	299	28	660
340	17	76	20	292	37	632
323	28	75	11	272	39	595
295	15	74	13	261	28	556
280	26	73	24	248	50	528
254	14	72	25	224	59	478
220	21	71	22	199	43	419
199	32	70	16	177	48	376
167	26	69	14	161	40	328
141	24	68	21	147	45	288
117	18	67	14	126	32	243
99	14	66	10	112	24	211
85	18	65	19	102	37	187
67	24	64	11	83	35	150
43	11	63	14	72	25	115
32	7	62	13	58	20	90
25	10	61	9	45	19	70
15	4	60	3	36	7	51
11	5	59	12	33	17	44
6	3	58	4	21	7	27
		57	5	17	5	20
		56	3	12	3	15
3	3	55	4	9	7	12
		54	2	5	2	5
		53	1	3	1	3
		52	1	2	1	2
		51	1	1	1	1
		50				
	429	TOTALS	342		771	
Southbound	Speed Data Summary		Northbound		BOTH	
77.3	85th Percentile Speed (mph)		75.9		76.8	
70.7	50th Percentile Speed (mph)		69.6		70.2	
68.77	10 mph PACE		67.76		67.76	

**FLORIDA DEPARTMENT OF TRANSPORTATION
VEHICLE SPOT SPEED STUDY**

LOCATION ID: <u>SR 417</u>			SECTION: <u>Sensor 20.4</u>		
LOCATION: <u>Lt Nona to Narcoossee</u>			City: <u>Orlando</u>		MP: <u>20.000</u>
SPEED LIMIT (MPH): <u>65</u>		Weather: <u>Sunny</u>		County: <u>Orange</u>	
DATE: <u>10/08/13</u>		Time From: <u>1:00 PM</u>		To: <u>3:00 PM</u>	
OBSERVER: <u>CER</u>		REMARKS: <u>Data Collected Based on OOCEA Wavetronic Sensors</u>			

Southbound		SPEED MPH	Northbound		Both Directions	
Cumulative Total	TOTAL		TOTAL	Cumulative Total	TOTAL	CUM TOTAL
	0	90	0			
	0	89	0			
425	1	88	0		1	890
424	1	87	0		1	889
423	1	86	5	465	6	888
422	5	85	4	460	9	882
417	2	84	6	456	8	873
415	6	83	10	450	16	865
409	7	82	9	440	16	849
402	16	81	11	431	27	833
386	27	80	20	420	47	806
359	21	79	12	400	33	759
338	20	78	24	388	44	726
318	29	77	28	364	57	682
289	29	76	31	336	60	625
260	37	75	28	305	65	565
223	25	74	34	277	59	500
198	35	73	34	243	69	441
163	27	72	26	209	53	372
136	22	71	26	183	48	319
114	24	70	24	157	48	271
90	16	69	22	133	38	223
74	8	68	20	111	28	185
66	14	67	22	91	36	157
52	9	66	12	69	21	121
43	17	65	12	57	29	100
26	8	64	9	45	17	71
18	8	63	12	36	20	54
10	4	62	7	24	11	34
6	3	61	5	17	8	23
3	3	60	4	12	7	15
		59	5	8	5	8
		58	2	3	2	3
		57	1	1	1	1
		56				
		55				
		54				
		53				
		52				
		51				
		50				
	425	TOTALS	465		890	

Southbound	Speed Data Summary	Northbound	BOTH
79.1	85th Percentile Speed (mph)	78.6	78.9
73.6	50th Percentile Speed (mph)	72.7	73.1
71-80	10 mph PACE	69-78	69-78

**FLORIDA DEPARTMENT OF TRANSPORTATION
VEHICLE SPOT SPEED STUDY**

LOCATION ID: <u>SR 417</u>		SECTION: <u>Sensor 31.2</u>	
LOCATION: <u>CurryFord to SR 408</u>		City: <u>Orlando</u>	MP: <u>31.000</u>
SPEED LIMIT (MPH): <u>65</u>	Weather: <u>Sunny</u>	County: <u>Orange</u>	
DATE: <u>10/08/13</u>	Time From: <u>1:00 PM</u>	To: <u>3:00 PM</u>	
OBSERVER: <u>CER</u>	REMARKS: <u>Data Collected Based on OOCEA Wavetronic Sensors</u>		

Southbound		SPEED MPH	Northbound		Both Directions	
Cumulative Total	TOTAL		TOTAL	Cumulative Total	TOTAL	CUM TOTAL
	0	90	0			
	0	89	0			
338	1	88	0		1	662
337	1	87	0		1	661
336	2	86	3	324	5	660
334	1	85	5	321	6	655
333	2	84	6	316	8	649
331	1	83	2	310	3	641
330	7	82	4	308	11	638
323	7	81	1	304	8	627
316	7	80	9	303	16	619
309	14	79	7	294	21	603
295	8	78	9	287	17	582
287	11	77	7	278	18	565
276	21	76	17	271	38	547
255	17	75	10	254	27	509
238	20	74	24	244	44	482
218	17	73	23	220	40	438
201	22	72	15	197	37	398
179	18	71	24	182	42	361
161	24	70	21	158	45	319
137	23	69	23	137	46	274
114	17	68	20	114	37	228
97	21	67	17	94	38	191
76	10	66	4	77	14	153
66	9	65	14	73	23	139
57	14	64	17	59	31	116
43	3	63	12	42	15	85
40	8	62	7	30	15	70
32	7	61	7	23	14	55
25	11	60	7	16	18	41
14	6	59	2	9	8	23
8	3	58	1	7	4	15
5	2	57	2	6	4	11
3	2	56			2	7
1	1	55	4	4	5	5
		54				
		53				
		52				
		51				
		50				
	338	TOTALS	324		662	
Southbound	Speed Data Summary		Northbound		BOTH	
77.0	85th Percentile Speed (mph)		76.6		76.9	
70.4	50th Percentile Speed (mph)		70.2		70.3	
67-76	10 mph PACE		67-76		67-76	

**FLORIDA DEPARTMENT OF TRANSPORTATION
VEHICLE SPOT SPEED STUDY**

LOCATION ID: SR 417		SECTION: Sensor 35.7	
LOCATION: University to City Loop		City: Orlando	MP: 36.000
SPEED LIMIT (MPH): 65	Weather: Sunny	County: Orange	
DATE: 10/05/13	OBSERVER: CEK	Time From: 1:00 PM	To: 3:00 PM
REMARKS: Data Collected Based on OCEA Wavetronic Sensors			

Southbound		SPEED MPH	Northbound		Both Directions	
Cumulative Total	TOTAL		TOTAL	Cumulative Total	TOTAL	CUM TOTAL
	0	90	1	291	1	680
	0	89	2	290	2	679
	0	88	1	288	1	677
	0	87	0			
	0	86	1	287	1	676
389	3	85	1	286	4	675
	0	84	2	285	2	671
	0	83	4	283	4	669
386	3	82	4	279	7	665
383	1	81	7	275	8	658
382	4	80	15	268	19	650
378	8	79	12	253	20	631
370	3	78	21	241	24	611
367	9	77	20	220	29	587
358	10	76	20	200	30	558
348	25	75	18	180	43	528
323	16	74	17	162	33	485
307	31	73	22	145	53	452
276	23	72	20	123	43	399
253	25	71	17	103	42	356
228	23	70	11	86	34	314
205	23	69	10	75	33	280
182	21	68	13	65	34	247
161	26	67	12	52	38	213
135	16	66	7	40	23	175
119	26	65	4	33	30	152
93	18	64	6	29	24	122
75	20	63	5	23	25	98
55	15	62	4	18	19	73
40	8	61	7	14	15	54
32	10	60	1	7	11	39
22	5	59	1	6	6	28
17	4	58	3	5	7	22
13	1	57	1	2	2	15
12	3	56	1	1	4	13
		55				
9	4	54			4	9
5	2	53			2	5
3	3	52			3	3
		51				
		50				
	389	TOTALS	291		680	
Southbound	Speed Data Summary		Northbound		BOTH	
74-3	85th Percentile Speed (mph)		78-5		76.7	
68-5	50th Percentile Speed (mph)		73-0		70.6	
64-73	10 mph PACE		71-80		67-76	

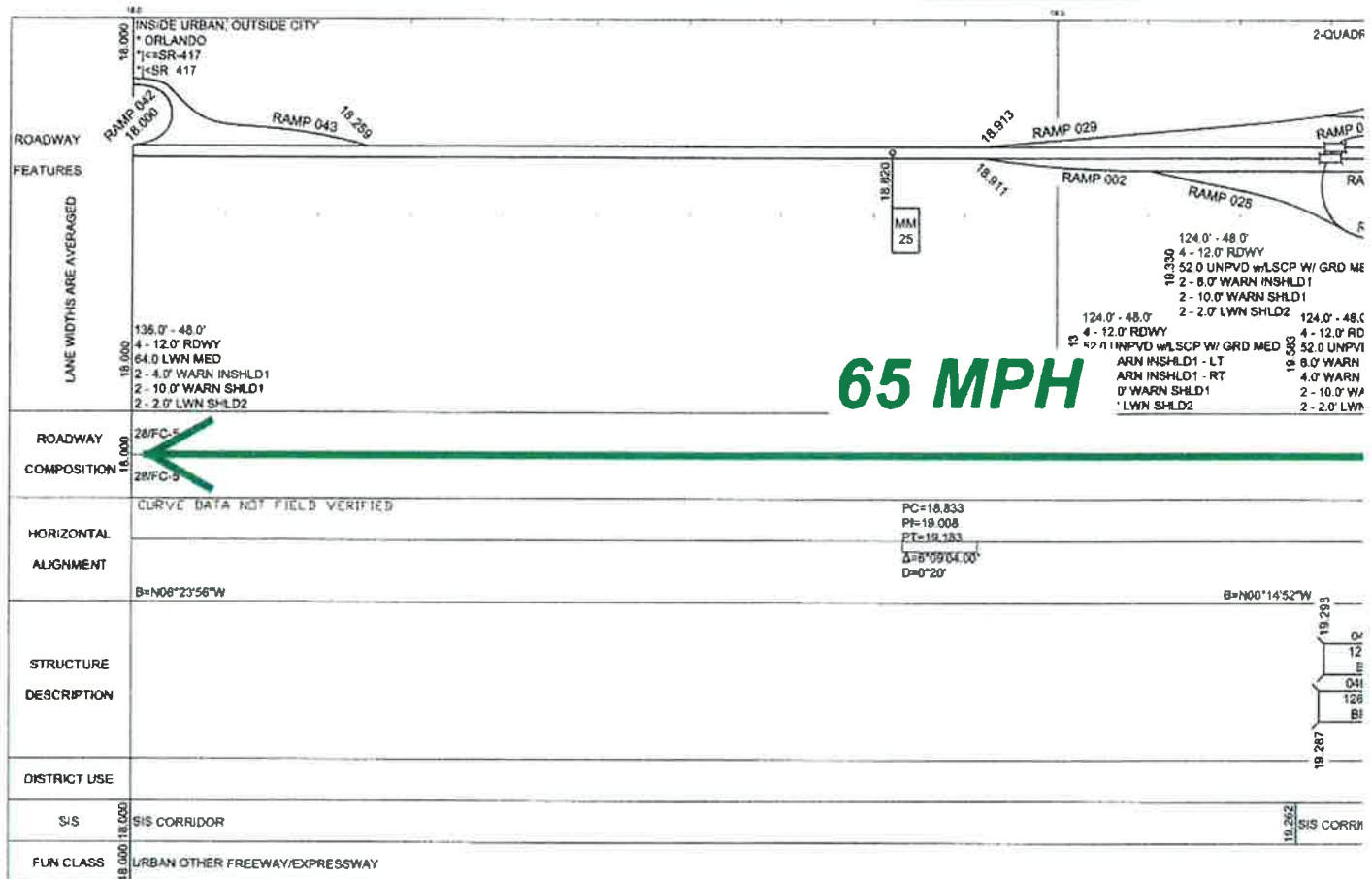
FLORIDA DEPARTMENT OF TRANSPORTATION
STRAIGHT LINE DIAGRAM



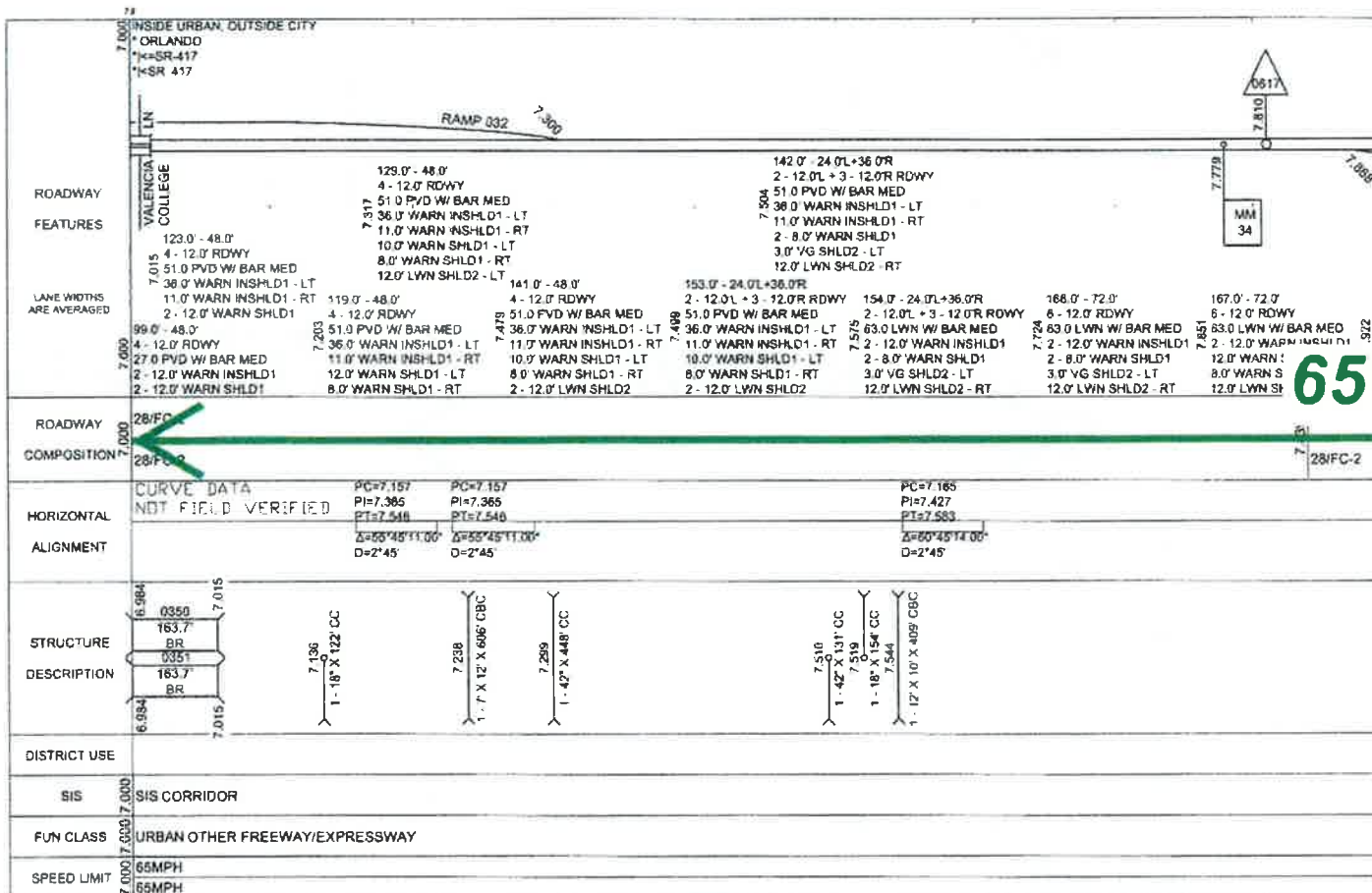
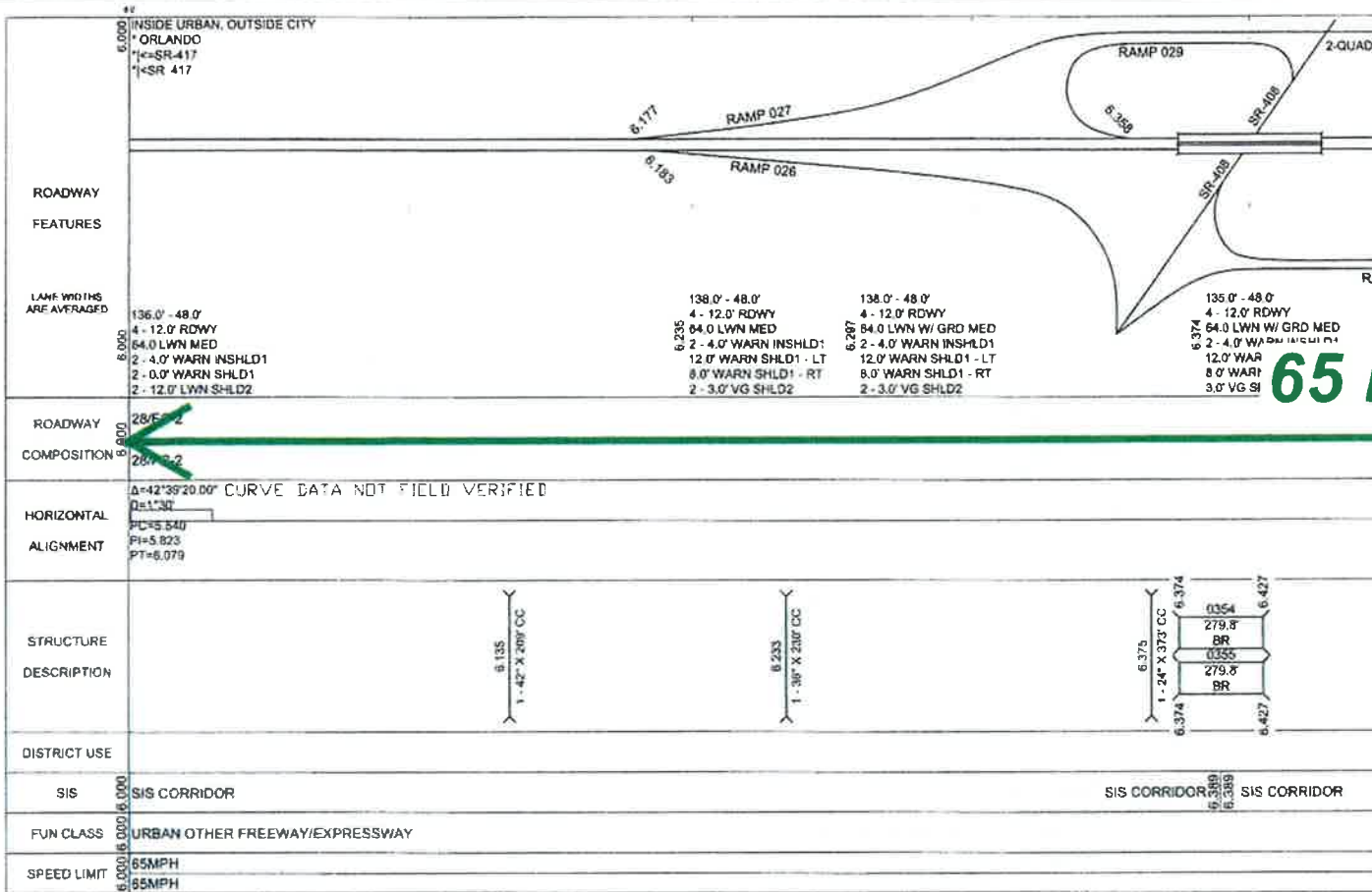
FLORIDA DEPARTMENT OF TRANSPORTATION
STRAIGHT LINE DIAGRAM

DATE BY	5 YR INV	SLD REV	BMP	INTERIM REVISIONS		SLD REV
	02/18/2013	05/15/2013		EMP	INV	
	Elizabeth Nelson	Michael Register				

FLORIDA DEPARTMENT OF TRANSPORTATION STRAIGHT LINE DIAGRAM



DATE	5 YR INV	SLD REV	BMP	EMP	INV	SLD REV	FLORIDA DEPARTMENT OF TRANSPORTATION
06/24/2013	07/03/2013						STRAIGHT LINE DIAGRAM
BY	Kim Auerbach and Betty	Michael Register					



SPOT SPEED STUDY

For

SR 429 (Daniel Webster Western Beltway)

From

Seidel Road to US 441

**(Milepost 18.00 to 36.54, Roadway ID 75-320-000),
(Milepost 0.00 to 1.37, Roadway ID 75-320-100), &
(Milepost 6.44 to 9.63, Roadway ID 75-340-000)**

Prepared for:

**Orlando-Orange County Expressway Authority
Orlando, Florida**



Prepared by:

ATKINS

Orlando, Florida

March 2014

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- Collect and review existing traffic volumes within the study corridor from the Authority's annual statistical manual.
- Collect and review collision/accident data within the study corridor from the appropriate agencies (FDOT, Florida Highway Patrol, and Orlando Police Department).
- Collect and review existing plans and record drawings to determine design speeds for the corridor.
- Complete spot speed study analysis for the study corridor from Seidel Road to US 441 based on the criteria described in the FDOT Speed Zoning Manual dated March 2010 and the FDOT Manual of Uniform Traffic Studies (MUTS) dated January 2000.

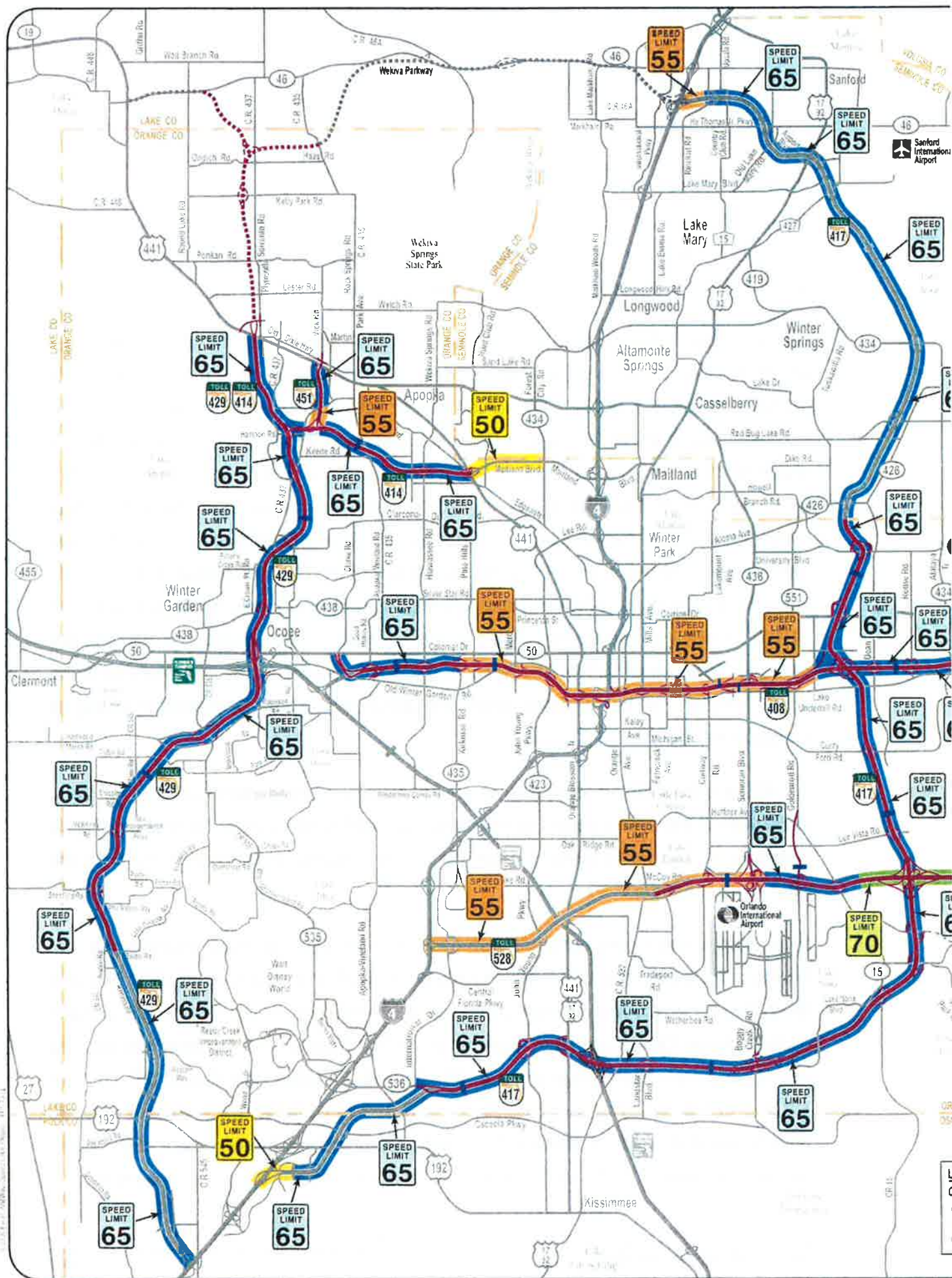


Table 1

**S.R. 429 Daniel Webster Western Beltway & S.R. 429 / S.R 414 John Land Apopka Expressway
Existing Speed Zone Regulation Summary**

Milepost		Speed (mph)	Length (miles)	Speed Zone Location (measured from centerline of cross road)
From	To			
SR 429: Daniel Webster Western Beltway - 75-320-000				
18.00	22.08	65	4.08	Seidel Road to New Independence Parkway
22.08	26.45	65	4.37	New Independence Parkway to CR 535 (Winter Garden Vineland)
26.45	29.41	65	2.96	CR 535 (Winter Garden Vineland) to Florida's Turnpike
29.41	29.73	65	0.33	Florida's Turnpike to SR 50 (Colonial Drive)
29.73	31.17	65	1.44	SR 50 (Colonial Drive) to Plant St/Franklin St/SR 438
31.17	33.68	65	2.51	Plant St/Franklin St/SR 438 to West Road/Clarcona Road
33.68	36.54	65	2.86	West Road/Clarcona Road to CR 437A (Ocoee Apopka Road)
SR 429: Daniel Webster Western Beltway - 75-320-100				
0.00	1.37	65	1.37	CR 437A (Ocoee Apopka Rd) SB off ramp to SR 414 NB/SB On Off Ramps
SR 429/SR 414: John Land Apopka Expressway - 75-340-000				
6.44	9.02	65	2.58	SR 414/429 System Interchange to 850 ft south of General Electric Rd
9.02	9.30	55	0.28	850 ft south of General Electric Rd to beginning of CSX Railroad Bridge
9.30	9.63	45	0.33	Beginning of CSX Railroad Bridge to SR 429 Connector Road

Notes:

1. The Expressway Authority (OOCEA) and Florida's Turnpike Enterprise maintain portions of the SR 429.
2. The Expressway Authority (OOCEA) maintains from Seidel Road to US 441 and Florida's Turnpike Enterprise maintains from I-4 to Seidel Road
3. Roadway ID is based on the latest FDOT D5 Straight Line Diagram obtained from FDOT Website
4. The existing speed zones along SR 414/SR 429 shown at 45mph & 55mph are due to the speed reductions associated with approaching the SR 429 Connector Road. Note once Wekiva Parkway is constructed these speed reductions will be removed.

Based on these accident summaries, it was determined that the crashes that occurred in the years 2010, 2011 and 2012 were non-speed related.

SPOT SPEED ANALYSIS

A Spot Speed Study was conducted to measure the prevailing travel speed along the SR 429 (Daniel Webster Western Beltway) within the study corridor. This spot speed study was taken at five locations within the study corridor between the interchanges of Seidel Road and US 441. The current posted speed limit within this section of expressway is 65 miles per hour. The field data collected utilizing the Wavetronic Data Collection Sensors (SS125 HD) recently installed throughout the Expressway System, shows that the existing speed conditions support an increase in speed limit to a 70 miles per hour speed. The Spot Speed Study summarized in Table 2 on the following page, reveals that the 85th percentile speed for the vehicles ranges from 70 to 79 miles per hour with a 10 miles per hour pace ranging from 61 to 70 miles per hour to 69 to 78 miles per hour. The results and data worksheet of the spot speed study are provided in Appendix C of this report.

SECTION 3

CONCLUSION & RECOMMENDATION

Based on the completed spot speed study analysis, it can be concluded that the change in speed limit from the existing posted speed limit of 65 miles per hour to 70 miles per hour along SR 429 (Daniel Webster Western Beltway) from the Seidel Road Interchange to US 441 is justified. This justification and/or consideration of the proposed increase in speed is based on meeting the 85th percentile speed and the upper limit of the 10 miles per hour pace criteria. In addition, the spot speed study demonstrates that vehicles are traveling in excess of 70 miles per hour through this section of roadway.

It is recommended that the speed limit along SR 429 (Daniel Webster Western Beltway) from Seidel Road to US 441 be changed to 70 miles per hour due to meeting the 85th percentile speed criteria discussed in the FDOT Speed Zoning for Highways, Roads and Streets Manual. Implementation of the recommended increase of the speed limit is subject to review and approval by the FDOT. The Authority will need to coordinate the temporary speed reduction at the northern end of the study corridor with the construction of the adjoining southern section of the Wekiva Parkway.

It is also recommended that if the speed limit revision is approved by FDOT and implemented by the Authority, the Authority continue to review the 85th percentile speeds, the upper limit of the 10 miles per hour pace and compare the number, type and severity of crashes that occur.

APPENDIX A

HISTORICAL & EXISTING TRAFFIC DATA

Existing and Historical Average Annual Weekday Ramp Terminal Traffic Volumes

Ramp Location	Year 2000	Year 2001	Year 2002	Year 2003	Year 2004	Year 2005	Year 2006	Year 2007	Year 2008	Year 2009	Year 2010	Year 2011	Year 2012
Exit 15 : New Independence Pkwy													
Northbound Off-Ramp	-----	-----	-----	-----	-----	-----	280	470	500	420	390	370	370
Southbound On-Ramp	-----	-----	-----	-----	-----	-----	290	500	510	430	380	400	400
Northbound On-Ramp	-----	-----	-----	-----	-----	-----	100	950	890	720	700	820	920
Southbound Off-Ramp	-----	-----	-----	-----	-----	-----	130	840	840	680	700	790	900
Exit 19 : CR 535													
Northbound Off-Ramp	-----	-----	-----	-----	-----	-----	90	1,440	1,390	1,350	1,430	1,550	1,790
Southbound On-Ramp	-----	-----	-----	-----	-----	-----	90	1,450	1,440	1,340	1,390	1,570	1,650
Northbound On-Ramp	-----	-----	-----	6,290	8,970	10,520	10,780	11,740	11,880	11,440	11,760	11,980	11,710
Southbound Off-Ramp	-----	-----	-----	6,220	8,830	10,240	10,130	11,240	11,420	11,260	11,610	11,830	11,540
Exit 22&23 : FL Turnpike / SR 50													
Northbound On-Ramp from SR 50	3,762	3,330	3,910	2,710	2,710	3,030	2,960	2,450	2,610	2,580	2,610	2,540	2,750
Southbound Off-Ramp to SR 50	4,265	3,230	3,150	2,550	2,570	2,880	2,920	3,000	2,670	2,740	2,680	2,430	2,690
Northbound Off-Ramp to NB Turnpike	-----	-----	-----	260	320	310	480	1,580	1,270	1,370	1,760	1,600	1,530
Northbound Off-Ramp to SB Turnpike	-----	-----	-----	3,700	5,590	4,510	4,350	7,670	8,660	8,130	8,260	8,790	8,450
Southbound On-Ramp from NB Turnpike	-----	-----	-----	3,280	4,840	5,350	6,570	8,360	7,980	7,700	7,850	8,240	7,920
Southbound On-Ramp from SB Turnpike	-----	-----	-----	340	430	480	900	1,675	1,620	1,680	1,660	1,740	1,920
Northbound Off-Ramp to SR 50	-----	-----	-----	840	1,140	1,320	1,920	2,665	2,330	2,320	2,690	2,190	1,990
Southbound On-Ramp from SR 50	-----	-----	-----	1,130	1,410	1,620	2,500	2,870	2,480	3,150	2,810	2,380	2,170
Northbound On-Ramp from NB Turnpike	-----	-----	7,080	9,100	9,710	10,420	10,240	10,640	9,630	9,000	9,200	9,340	9,200
Northbound On-Ramp from SB Turnpike	-----	-----	1,740	3,700	4,090	4,220	3,070	3,080	2,680	2,670	3,060	3,040	3,190
Southbound Off-Ramp to NB Turnpike	-----	-----	1,610	2,250	2,240	2,710	3,060	2,880	2,520	2,500	2,990	3,000	3,140
Southbound Off-Ramp to SB Turnpike	-----	-----	7,140	7,670	8,840	9,340	9,540	9,910	9,440	8,680	8,710	9,210	9,270

Notes:

1. \$0.25 Toll increase was applied systemwide at various locations in April 2009.

3. Systemwide Toll increase was applied in July 2012 that included different toll rates for EPASS and Cash customers

2. SR 429 & 414 interchange was under construction during the year 2011 and year 2012



SR 429 - WESTERN BELTWAY Interchange - Ramp Volume Summary

APPENDIX B

ACCIDENT SUMMARIES

TABLE 429-1

SR 429 (Western Beltway) Spot Speed Study

Year 2010 Accident / Collision Summary Sheet - Long Form Only

No.	Report ID	Date	Day	Time	Mile Point	Accident Type (Harmful Event)	Fatalities	Injuries	Property Damage Only	Lighting Conditions	Road Surface Conditions	Alcohol Drugs Involved	Travel Direction	Primary Contributing Cause (at fault vehicle)
41	714006630	8/8/2010	Sunday	10:35 AM	39.972	18 MV Hit Guardrail / Cable Guardrail	0	0	1	1 Daylight	2 Wet	No	SB	02 Careless Driving
42	764077510	5/17/2010	Monday	11:37 PM	40.000	31 Overturned	0	1	0	4 Dark/Lights	1 Dry	No	WB	02 Careless Driving
43	108707130	7/11/2010	Sunday	12:41 AM	40.000	09 Collision with MV on Other Roadway	0	1	0	4 Dark/Lights	1 Dry	No	EB	02 Careless Driving

Notes

1 Crash information shown was obtained from the latest output from the FDOT CAR reporting system requested and obtained from FDOT at the time of this study

TABLE 429-2

SR 429 (Western Beltway) Spot Speed Study

Year 2011 Accident / Collision Summary Sheet - Long Form Only

No.	Report ID	Date	Day	Time	Mile Point	Accident Type (Harmful Event)	Fatalities	Injuries	Property Damage Only	Lighting Conditions	Road Surface Conditions	Alcohol Drugs Involved	Travel Direction	Primary Contributing Cause (at fault vehicle)
1	819775240	2/14/2011	Monday	6:52 PM	0.000	BB Unknown	0	1	0	1	Daylight	1	Dry	88 Unknown
2	820407780	3/4/2011	Friday	9:40 AM	0.000	18 MV Hit Guardrail / Cable Guardrail	0	1	0	1	Daylight	1	Dry	02 Careless Driving
3	819977640	10/8/2011	Saturday	3:30 AM	0.459	16 MV Hit Guardrail / Cable Guardrail	0	1	0	4	Dark/Lights	2	Wet	02 Careless Driving
4	820408710	3/13/2011	Sunday	12:15 PM	0.534	18 MV Hit Guardrail / Cable Guardrail	0	0	1	1	Daylight	1	Dry	02 Careless Driving
5	819583950	6/8/2011	Thursday	11:11 AM	16.087	31 Overturned	0	1	0	1	Daylight	1	Dry	02 Careless Driving
6	819775370	3/23/2011	Wednesday	3:22 PM	20.180	77 All other	0	1	0	1	Daylight	1	Dry	01 No Improper Driving / Action
7	820404830	8/9/2011	Tuesday	10:22 AM	20.490	88 Unknown	0	0	1	1	Daylight	2	Wet	88 Unknown
8	820229670	8/3/2011	Wednesday	2:43 PM	21.569	77 All other	0	0	1	1	Daylight	2	Wet	12 Exceeded Safe Speed Limit
9	819977480	4/18/2011	Monday	8:33 AM	22.043	03 Collision with MV in Transport (Angle)	0	1	0	1	Daylight	1	Dry	77 All Other
10	819583600	6/13/2011	Monday	7:28 PM	23.088	31 Overturned	0	1	0	2	Dusk	1	Dry	01 No Improper Driving / Action
11	820239390	3/2/2011	Wednesday	4:00 AM	24.063	01 Collision with MV in Transport (Rear End)	0	2	0	1	Daylight	1	Dry	02 Careless Driving
12	819564160	5/13/2011	Friday	5:10 PM	26.140	09 Collision with MV on Other Roadway	0	0	1	1	Daylight	1	Dry	02 Careless Driving
13	820919230	12/11/2011	Sunday	2:31 PM	26.140	18 MV Hit Guardrail / Cable Guardrail	0	0	1	1	Daylight	1	Dry	77 All Other
14	819775490	5/13/2011	Friday	2:21 PM	26.775	18 MV Hit Guardrail / Cable Guardrail	0	2	0	1	Daylight	1	Dry	02 Careless Driving
15	820408890	8/7/2011	Sunday	11:35 AM	26.799	01 Collision with MV in Transport (Rear End)	0	3	0	1	Daylight	1	Dry	02 Careless Driving
16	819388130	1/16/2011	Sunday	10:15 AM	26.867	01 Collision with MV in Transport (Rear End)	0	3	0	1	Daylight	1	Dry	02 Careless Driving
17	819775290	2/25/2011	Friday	7:07 PM	26.876	01 Collision with MV in Transport (Rear End)	0	2	0	4	Dark/Lights	1	Dry	02 Careless Driving
18	819915170	9/21/2011	Wednesday	8:37 PM	27.469	18 MV Hit Guardrail / Cable Guardrail	0	1	0	4	Dark/Lights	1	Dry	77 All Other
19	819815830	11/28/2011	Monday	8:20 PM	27.969	01 Collision with MV in Transport (Rear End)	0	2	0	4	Dark/Lights	2	Wet	77 All Other
20	820407840	3/20/2011	Sunday	12:45 PM	28.159	17 MV Hit Utility Pole/Light Pole	0	3	0	1	Daylight	1	Dry	02 Careless Driving
21	819775180	1/14/2011	Friday	6:19 PM	28.377	01 Collision with MV in Transport (Rear End)	0	0	1	4	Dark/Lights	1	Dry	02 Careless Driving
22	819775380	3/26/2011	Saturday	2:17 PM	28.469	01 Collision with MV in Transport (Rear End)	0	0	1	1	Daylight	1	Dry	02 Careless Driving
23	820597620	5/2/2011	Monday	3:04 PM	29.057	09 Collision with MV on Other Roadway	0	0	1	1	Daylight	1	Dry	04 Improper Backing
24	819977650	10/8/2011	Saturday	10:15 PM	29.470	18 MV Hit Guardrail / Cable Guardrail	0	2	0	4	Dark/Lights	2	Wet	01 No Improper Driving / Action
25	820241060	7/14/2011	Thursday	5:50 AM	29.518	77 All other	0	0	1	1	Daylight	1	Dry	02 Careless Driving
26	820597630	5/2/2011	Monday	9:13 PM	29.621	88 Unknown	0	0	1	4	Dark/Lights	1	Dry	01 No Improper Driving / Action
27	828851390	11/28/2011	Monday	12:28 AM	30.163	18 MV Hit Guardrail / Cable Guardrail	0	1	0	4	Dark/Lights	1	Dry	88 Unknown
28	819914420	5/18/2011	Monday	8:30 AM	30.984	77 All other	0	0	1	1	Daylight	1	Dry	77 All Other
29	820240540	11/4/2011	Friday	2:10 PM	31.129	88 Unknown	0	1	0	1	Daylight	1	Dry	01 No Improper Driving / Action
30	828237980	10/22/2011	Saturday	2:30 AM	31.242	88 Unknown	0	0	1	4	Dark/Lights	1	Dry	88 Unknown
31	820864170	6/1/2011	Wednesday	9:03 AM	31.280	88 Unknown	0	0	1	1	Daylight	1	Dry	88 Unknown
32	820023140	1/6/2011	Thursday	7:15 AM	31.332	28 Collision With Moveable Object On Road	0	1	0	1	Daylight	2	Wet	01 No Improper Driving / Action
33	820241140	9/29/2011	Thursday	1:09 PM	31.432	01 Collision with MV in Transport (Rear End)	0	0	1	1	Daylight	1	Dry	77 All Other
34	820598050	12/3/2011	Saturday	10:50 PM	31.435	18 MV Hit Guardrail / Cable Guardrail	0	1	0	4	Dark/Lights	1	Dry	01 No Improper Driving / Action
35	820240670	12/8/2011	Wednesday	3:15 PM	32.185	09 Collision with MV on Other Roadway	0	3	0	1	Daylight	1	Dry	77 All Other
36	822739360	8/31/2011	Wednesday	10:00 PM	32.759	95 Unknown	0	0	1	5	Dark/No Lights	1	Dry	88 Unknown
37	820866280	4/21/2011	Thursday	10:50 PM	34.175	31 Overturned	0	1	0	4	Dark/Lights	1	Dry	77 All Other
38	819898830	1/29/2011	Saturday	5:30 AM	34.182	20 MV Hit Concrete Barrier Wall	0	1	0	4	Dark/Lights	1	Dry	02 Careless Driving
39	822594390	7/13/2011	Wednesday	11:05 PM	34.683	01 Collision with MV in Transport (Rear End)	0	1	0	5	Dark/No Lights	1	Dry	02 Careless Driving
40	820670700	3/5/2011	Saturday	4:20 AM	34.750	18 MV Hit Guardrail / Cable Guardrail	0	0	1	4	Dark/Lights	1	Dry	02 Careless Driving

ACCIDENT TYPE (HARMFUL EVENT)

01 Collision with MV in Transport (Rear End)	10	23.3%
02 Collision with MV in Transport (Head On)	0	0.0%
03 Collision with MV in Transport (Angle)	1	2.3%
04 Collision with MV in Transport, Same Direc	0	0.0%
05 Collision with MV in Transport, Opposite D	0	0.0%
06 Collision with MV in Transport (Sideswipe)	0	0.0%
07 Collision with MV in Transport (Backed Intc	0	0.0%
08 Collision with Parked Car	0	0.0%
09 Collision with MV on Other Roadway	5	11.6%
10 Collision with Pedestrian	0	0.0%
11 Collision with Bicycle	0	0.0%
12 Collision with Bicycle (Bike Lane)	0	0.0%
13 Collision with Moped	0	0.0%
14 Collision with Train	0	0.0%
15 Collision with Animal	0	0.0%
16 MV Hit Sign/Sign Post	0	0.0%
17 MV Hit Utility Pole/Light Pole	1	2.3%
18 MV Hit Guardrail / Cable Guardrail	10	23.3%
19 MV Hit Fence	0	0.0%
20 MV Hit Concrete Barrier Wall	1	2.3%
21 MV Hit Bridge / Pier / Abutment / Rail	0	0.0%
22 MV Hit Tree / Shrubbery	0	0.0%
23 Collision with Construction Barn/Grade Sign	0	0.0%
24 Collision with Traffic Gate	0	0.0%
25 Collision with Crash Attenuators	0	0.0%
26 Collision with Fixed Object Above Road	0	0.0%
27 MV Hit Other Fixed Object	0	0.0%
28 Collision With Moveable Object On Road	1	2.3%
29 MV Ran Into Ditch / Culvert	0	0.0%
30 Ran Off Road / Into Water	0	0.0%
31 Overturned	2	7.0%
32 Occupant Fell From Vehicle	0	0.0%
33 Tractor/Trailer Jackknifed	0	0.0%
34 Fire	0	0.0%
35 Explosion	0	0.0%
36 Downhill Runaway	0	0.0%
37 Cargo Loss or Shift	0	0.0%
38 Separation Of Units	0	0.0%
39 Median Crossover	0	0.0%
77 All other	4	9.3%
88 Unknown	1	16.3%
TOTAL	43	100%

ACCIDENT PRIMARY CONTRIBUTING CAUSE

01 No Improper Driving / Action	8	18.6%
02 Careless Driving	17	39.5%
03 Failed to Yield Right-of-Way	0	0.0%
04 Improper Backing	1	2.3%
05 Improper Lane Change	0	0.0%
06 Improper Turn	0	0.0%
07 Alcohol - Under Influence	0	0.0%
08 Drugs - Under Influence	0	0.0%
09 Alcohol & Drugs - Under Influence	0	0.0%
10 Followed Too Closely	0	0.0%
11 Disregarded Traffic Signal	0	0.0%
12 Exceeded Safe Speed Limit	1	2.3%
13 Disregarded Stop Sign	0	0.0%
14 Failed To Maintain Equip/Vehicle	0	0.0%
15 Improper Passing	0	0.0%
16 Drove Left of Center	0	0.0%
17 Exceeded State Speed Limit	0	0.0%
18 Obstructing Traffic	0	0.0%
19 Improper Load	0	0.0%
20 Disregarded Traffic Control	0	0.0%
21 Driving Wrong/Side Way	0	0.0%
22 Fleeing Police	0	0.0%
23 Vehicle Modified	0	0.0%
24 Driver Distraction	0	0.0%
77 All Other	10	23.3%
88 Unknown	5	11.6%
TOTAL	43	100%

Lighting Conditions

1 Daylight	27	62.8%
2 Dusk	1	2.3%
3 Dawn	0	0.0%
4 Dark/Lights	13	30.2%
5 Dark/No Lights	2	4.7%
6 Dark Unknown	0	0.0%
88 Unknown	0	0.0%
TOTAL	43	100%

Road Surface Conditions

1 Dry	36	83.7%
2 Wet	7	16.3%
3 Slippery	0	0.0%
4 Icy	0	0.0%
88 Unknown	0	0.0%
TOTAL	43	100%

TABLE 429-3

SR 429 (Western Beltway) Spot Speed Study

Year 2012 Accident / Collision Summary Sheet - Long Form Only

No.	Report ID	Date	Day	Time	Mile Point	Accident Type (Harmful Event)	Fatalities	Injuries	Property Damage Only	Lighting Conditions	Road Surface Conditions	Alcohol Drugs Involved	Travel Direction	Primary Contributing Cause (at fault vehicle)
41	828409550	2/1/2012	Wednesday	8:11 PM	29.527	Unknown	0	0	1	4	Dark/Lights	1	Dry	88 Unknown
42	826681190	1/12/2012	Thursday	11:32 AM	29.932	Collision with MV on Other Roadway	0	0	1	1	Daylight	1	Dry	77 All Other
43	820409230	5/6/2012	Wednesday	10:10 PM	30.204	Collision with MV on Other Roadway	0	1	0	4	Dark/Lights	2	Wet	D2 Careless Driving
44	828409880	8/9/2012	Saturday	4:28 PM	31.091	Unknown	0	1	0	1	Daylight	2	Wet	88 Unknown
45	828483000	8/1/2012	Wednesday	9:51 AM	31.561	MV Hit Guardrail / Cable Guardrail	0	1	0	1	Daylight	1	Dry	D2 Careless Driving
46	832287340	11/11/2012	Sunday	6:04 PM	32.708	Unknown	0	3	0	5	Dark/No Lights	1	Dry	88 Unknown
47	822604490	2/13/2012	Monday	2:32 PM	34.183	All other	0	2	0	1	Daylight	1	Dry	01 No Improper Driving / Action
48	820617310	3/14/2012	Wednesday	3:30 PM	34.683	Collision with MV in Transport (Rear End)	0	1	0	1	Daylight	1	Dry	D2 Careless Driving
49	831546770	6/13/2012	Wednesday	11:36 PM	35.266	MV Hit Concrete Barrier Wall	0	1	0	4	Dark/Lights	2	Wet	D2 Careless Driving
50	809846570	5/7/2012	Monday	9:45 PM	36.084	Collision with MV in Transport (Angle)	0	1	0	1	Daylight	2	Wet	D1 No Improper Driving / Action
51	835584180	8/15/2012	Wednesday	9:29 PM	36.160	All other	0	2	0	4	Dark/Lights	2	Wet	12 Exceeded Safe Speed Limit
52	835582260	7/19/2012	Wednesday	3:01 AM	36.179	Collision with MV in Transport (Rear End)	0	0	1	4	Dark/Lights	2	Wet	77 All Other
53	828722330	11/9/2012	Friday	3:10 AM	36.232	MV Hit Utility Pole/Light Pole	0	0	1	4	Dark/Lights	1	Dry	77 All Other
54	835582500	8/7/2012	Tuesday	5:30 PM	39.075	Collision with MV in Transport (Rear End)	0	1	0	1	Daylight	1	Dry	D2 Careless Driving
55	835586200	12/13/2012	Thursday	8:29 AM	39.985	Collision with MV in Transport (Rear End)	0	0	1	1	Daylight	2	Wet	D2 Careless Driving
56	122452970	5/28/2012	Monday	7:30 PM	40.000	All other	0	1	0	1	Daylight	2	Wet	77 All Other

Notes

1. Crash information shown was obtained from the latest output from the FDOT CAR reporting system requested and obtained from FDOT at the time of this study

APPENDIX C

SPOT SPEED STUDY DATA COLLECTION

FLORIDA DEPARTMENT OF TRANSPORTATION VEHICLE SPOT SPEED STUDY

LOCATION ID: SR 429		SECTION: Sensor 16.1	
LOCATION: Indy to CR 535		City: Orlando	MP: 16.000
SPEED LIMIT (MPH): 65	Weather: Sunny	County: Orange	
DATE: 10/08/13	Time From: 1:00 PM	To: 3:00 PM	
OBSERVER: CER	REMARKS: Data Collected Based on OOCEA Wavetronic Sensors		

Southbound		SPEED MPH	Northbound		Both Directions	
Cumulative Total	TOTAL		TOTAL	Cumulative Total	TOTAL	CUM TOTAL
	0	90	0			
	0	89	0			
	0	88	0			
	0	87	0			
	0	86	0			
427	1	85	2	414	3	841
426	2	84	1	412	3	838
424	5	83	1	411	6	835
	0	82	0			
419	11	81	3	410	14	829
408	2	80	1	407	3	815
406	10	79	6	406	16	812
396	15	78	7	400	22	796
381	15	77	8	393	23	774
366	16	76	13	385	29	751
350	24	75	16	372	40	722
326	27	74	25	356	52	682
299	35	73	26	331	61	630
264	41	72	24	305	65	569
223	28	71	22	281	50	504
195	23	70	25	259	48	454
172	29	69	27	234	56	406
143	18	68	31	207	49	350
125	22	67	24	176	46	301
103	21	66	20	152	41	255
82	27	65	20	132	47	214
55	16	64	30	112	46	167
39	11	63	18	82	29	121
28	10	62	18	64	28	92
18	7	61	14	46	21	64
11	2	60	7	32	9	43
9	4	59	7	25	11	34
5	1	58	8	18	9	23
4	2	57	5	10	7	14
2	2	56	2	5	4	7
		55	2	3	2	3
		54	1	1	1	1
		53				
		52				
		51				
		50				
	427	TOTALS	414		841	
Southbound	Speed Data Summary		Northbound		BOTH	
75.8	85th Percentile Speed (mph)		73.8		74.8	
70.7	50th Percentile Speed (mph)		68.0		69.3	
65-74	10 mph PACE		64-73		65-74	

**FLORIDA DEPARTMENT OF TRANSPORTATION
VEHICLE SPOT SPEED STUDY**

LOCATION ID: SR 429			SECTION: Sensor 24.7			
LOCATION: Plant St to West Rd			City: Orlando		MP: 25.000	
SPEED LIMIT (MPH): 65			Weather: Sunny		County: Orange	
DATE: 10/08/13			Time From: 1:00 PM		To: 3:00 PM	
OBSERVER: CER			REMARKS: Data Collected Based on OOCEA Wavetronic Sensors			

Southbound			Northbound		Both Directions	
Cumulative Total	TOTAL	SPEED MPH	TOTAL	Cumulative Total	TOTAL	CUM TOTAL
	0	90	0			
	0	89	0			
	0	88	0			
398	1	87	2	458	3	856
397	4	86	0		4	853
393	2	85	1	456	3	849
391	3	84	1	455	4	846
388	6	83	4	454	10	842
382	8	82	7	450	15	832
374	9	81	8	443	17	817
365	16	80	13	435	29	800
349	12	79	11	422	23	771
337	14	78	10	411	24	748
323	26	77	21	401	47	724
297	24	76	16	380	40	677
273	28	75	29	364	57	637
245	36	74	26	335	62	580
209	21	73	43	309	64	518
188	21	72	32	266	53	454
167	25	71	32	234	57	401
142	26	70	27	202	53	344
116	17	69	20	175	37	291
99	14	68	20	155	34	254
85	18	67	26	135	44	220
67	18	66	21	109	39	176
49	9	65	21	88	30	137
40	13	64	18	67	31	107
27	10	63	16	49	26	76
17	6	62	9	33	15	50
11	4	61	9	24	13	35
7	3	60	3	15	6	22
4	2	59	4	12	6	16
		58	2	8	2	10
2	2	57	1	6	3	8
		56	5	5	5	5
		55				
		54				
		53				
		52				
		51				
		50				
	398	TOTALS	458		856	
Southbound	Speed Data Summary		Northbound		BOTH	
78.1	85th Percentile Speed (mph)		76.4		77.2	
72.5	50th Percentile Speed (mph)		70.8		71.5	
69-78	10 mph PACE		66-75		68-77	

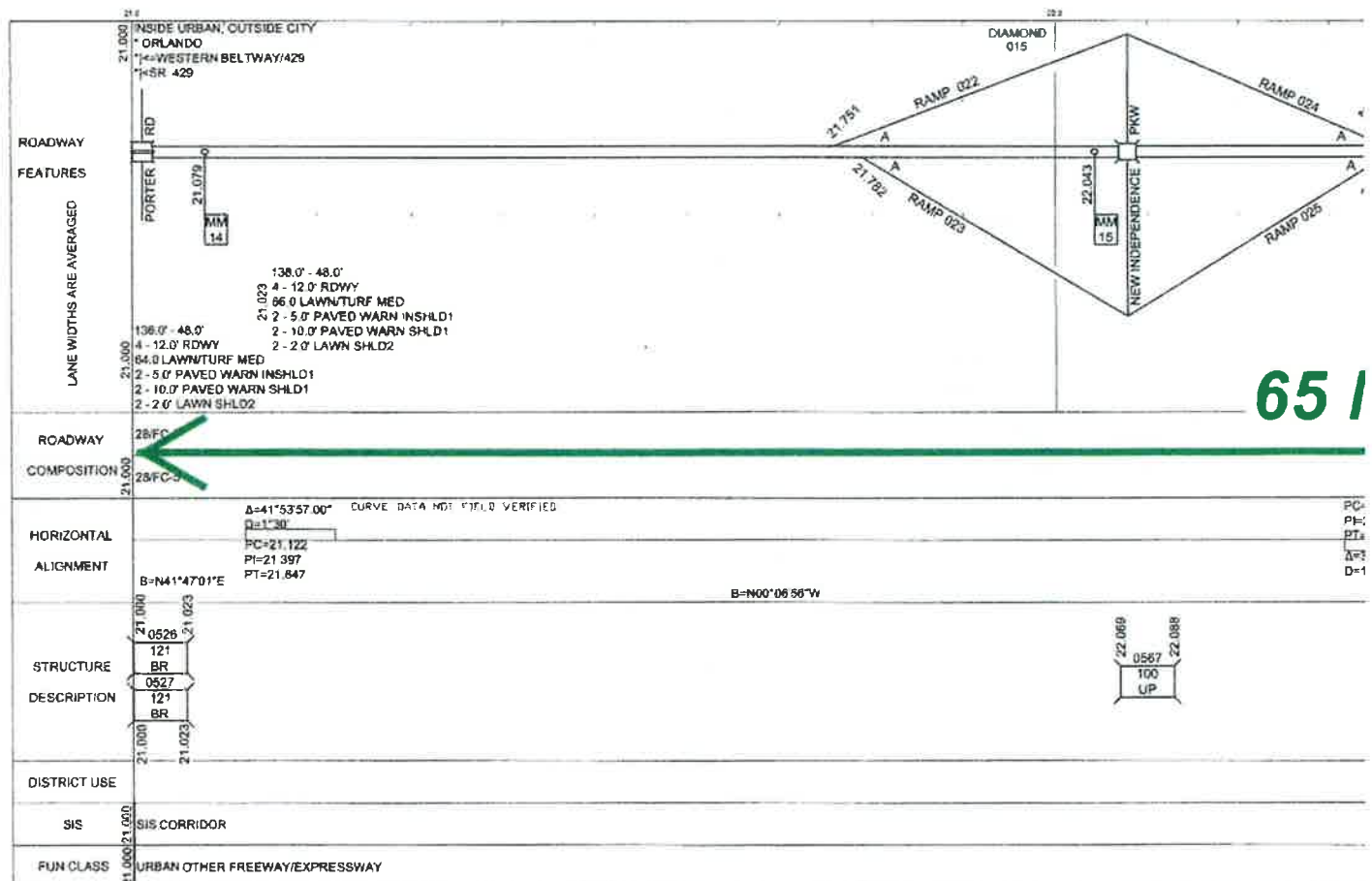
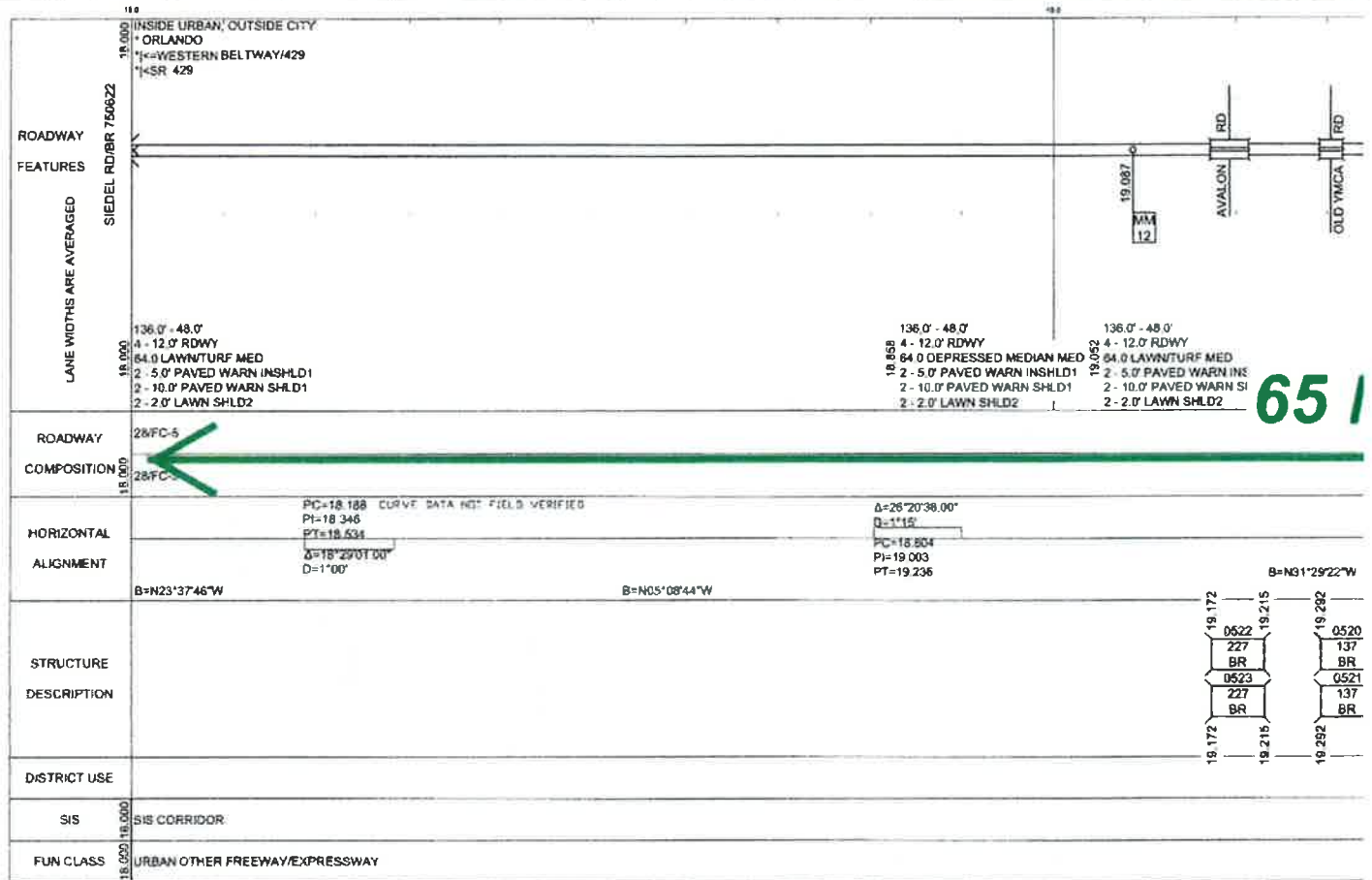
FLORIDA DEPARTMENT OF TRANSPORTATION VEHICLE SPOT SPEED STUDY

LOCATION ID: SR 451 (SB ONLY)			SECTION: Sensor 31.4			
LOCATION: US 441 to SR 414			City: Orlando		MP: 31.500	
SPEED LIMIT (MPH): 65			Weather: Sunny		County: Orange	
DATE: 10/08/13			Time From: 1:00 PM		To: 3:00 PM	
OBSERVER: CER						
REMARKS: Data Collected Based on OOCEA Wavetronic Sensors						

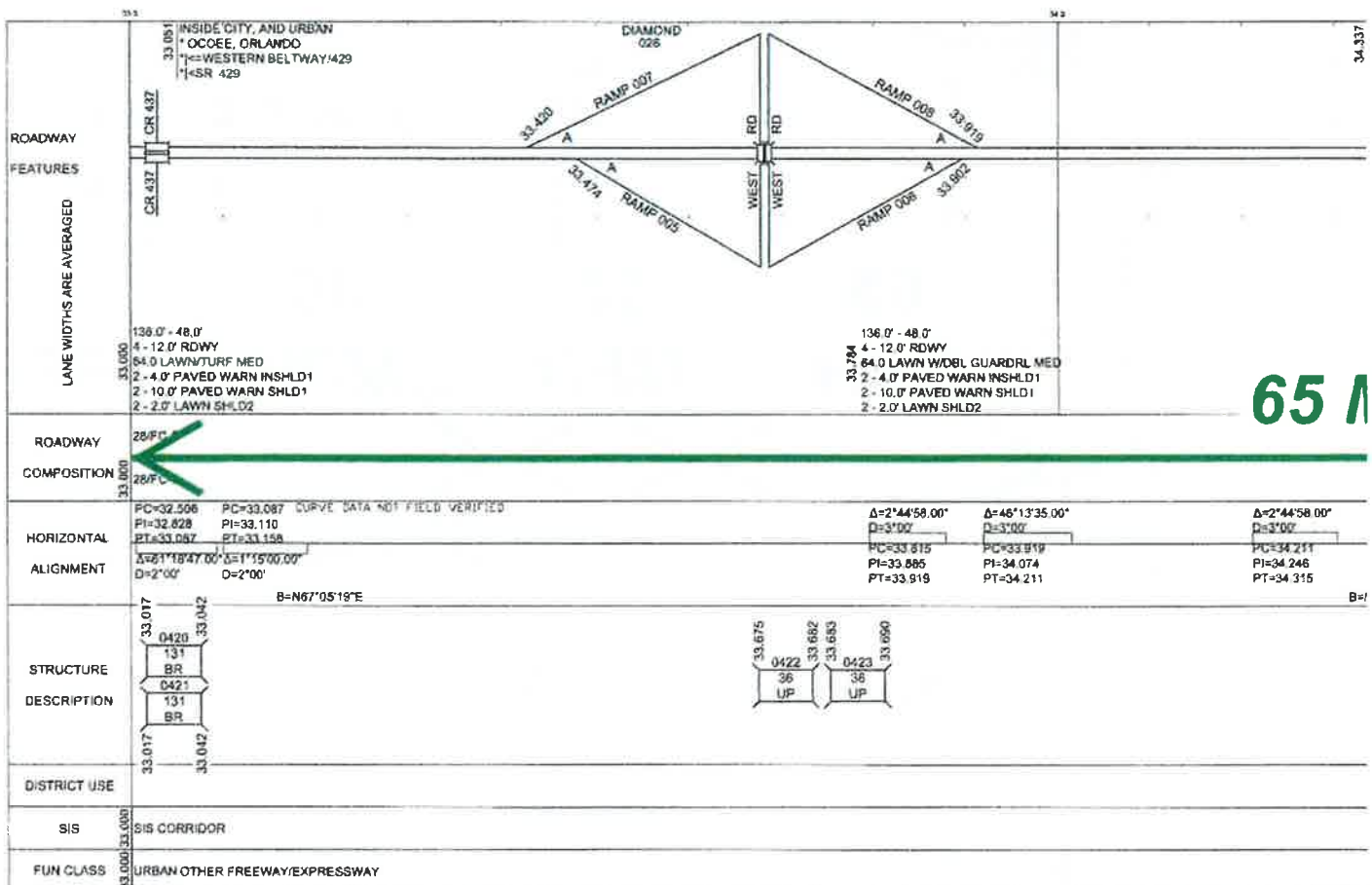
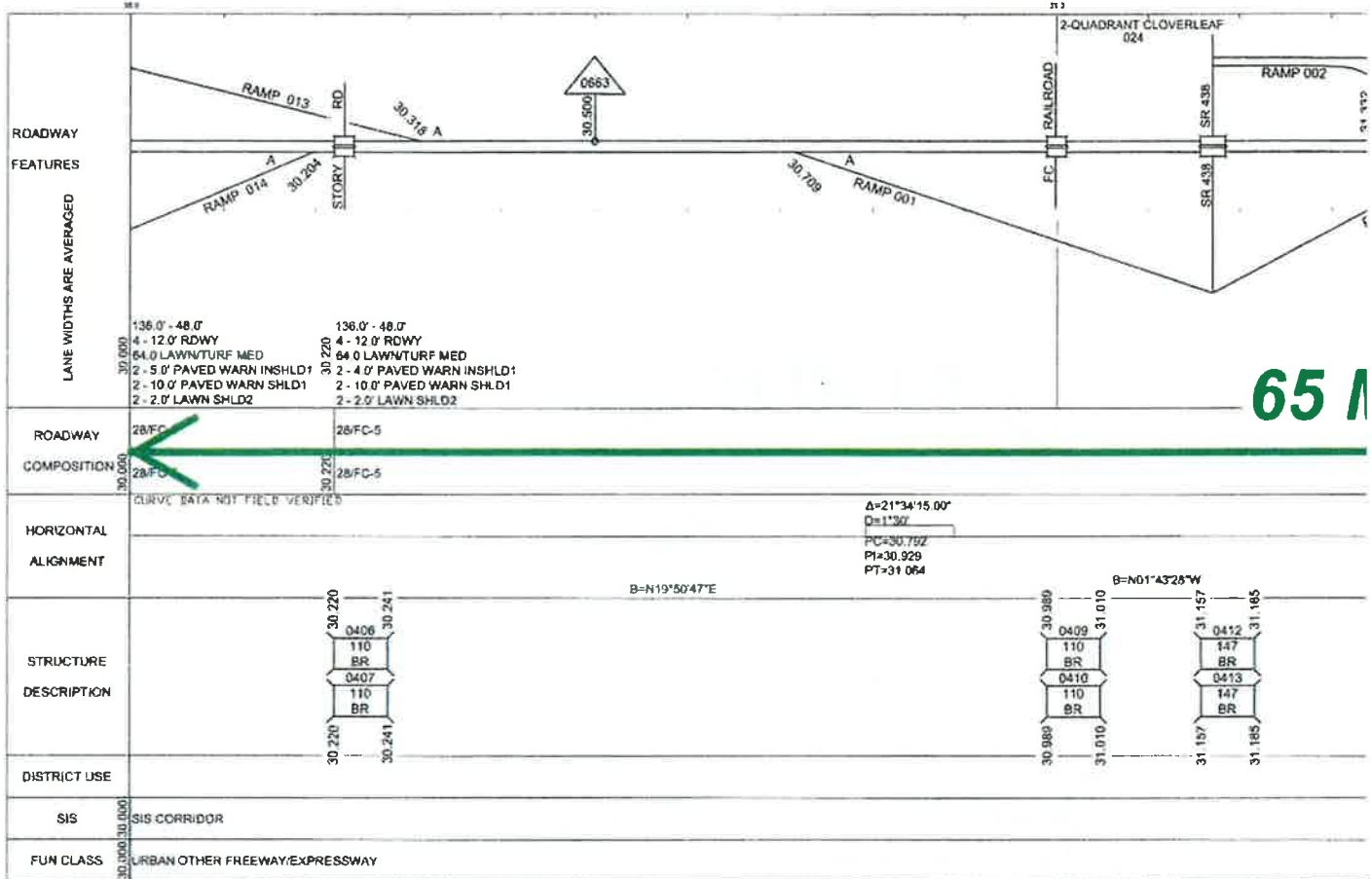
Southbound			Northbound		Both Directions	
Cumulative Total	TOTAL	SPEED MPH	TOTAL	Cumulative Total	TOTAL	CUM TOTAL
	0	90	0	0		
	0	89	0	0		
	0	88	0	0		
	0	87	0	0		
	0	86	0	0		
	0	85	0	0		
	0	84	0	0		
	0	83	0	0		
262	1	82	0	0	1	262
261	1	81	0	0	1	261
260	1	80	0	0	1	260
259	2	79	0	0	2	259
257	2	78	0	0	2	257
255	4	77	0	0	4	255
251	7	76	0	0	7	251
244	8	75	0	0	8	244
236	4	74	0	0	4	236
232	12	73	0	0	12	232
220	12	72	0	0	12	220
208	8	71	0	0	8	208
200	18	70	0	0	18	200
182	8	69	0	0	8	182
174	9	68	0	0	9	174
165	15	67	0	0	15	165
150	16	66	0	0	16	150
134	17	65	0	0	17	134
117	17	64	0	0	17	117
100	17	63	0	0	17	100
83	14	62	0	0	14	83
69	13	61	0	0	13	69
56	15	60	0	0	15	56
41	9	59	0	0	9	41
32	8	58	0	0	8	32
24	4	57	0	0	4	24
20	7	56	0	0	7	20
13	3	55	0	0	3	13
		54	0	0		
10	2	53	0	0	2	10
8	5	52	0	0	5	8
3	2	51	0	0	2	3
1	1	50	0	0	1	1
	262	TOTALS			262	
Southbound	Speed Data Summary		Northbound			BOTH
72.2	85th Percentile Speed (mph)					72.2
64.8	50th Percentile Speed (mph)					64.8
61-70	10 mph PACE					61-70

5 YR INV		SLD REV		INTERIM REVISIONS		SLD REV	
DATE	BY	DATE	BY	DATE	BY	DATE	BY
07/28/2011	Elizabeth Nelson	05/24/2011	URS	019.000	040.000	08/23/2012	MR

FLORIDA DEPARTMENT OF TRANSPORTATION
STRAIGHT LINE DIAGRAM OF



DATE	5 YR INV	SLO REV	BMP	INTERIM REVISIONS	EMP	INV	SLO REV
BY	07/29/2011	08/24/2011	018,000	08/23/2012	040,000	MR	09/11/2012
	Elizabeth Nelson	URS					



DATE	5 YR INV	SLD REV	BMP	INTERIM REVISIONS	SLD REV
BY	05/13/2013 Kim Auerbach	06/16/2013 Michael Register		EMP INV	

FLORIDA DEPARTMENT OF TRANSPORTATION
STRAIGHT LINE DIAGRAM

ROADWAY FEATURES	0.000 0.000 INSIDE CITY, AND URBAN * APOPKA, ORLANDO * SR-429 * SR 429 RAMP 7532003 RAMP TO CR-437A 0.000 180.0' - 72.0' 6 - 12.0' ROWY 64.0 LWN MED 2 - 4.0' PVD INSHLD1 2 - 10.0' PVD SHLD1 2 - 12.0' LWN SHLD2	
	ROADWAY COMPOSITION 0.000 28/FC-5 28/FC-5	HORIZONTAL ALIGNMENT 0.000 CURVE DATA NOT FIELD VERIFIED Δ=58°39'0019 D=1°21' PC=0.077 PI=0.523 PT=0.890 B=N15°16'26"E
STRUCTURE DESCRIPTION		
DISTRICT USE		
SIS	0.000 SIS CORRIDOR	
FUN CLASS	0.000 URBAN OTHER FREEWAY/EXPRESSWAY	

ROADWAY FEATURES	0.400 0.400 INSIDE CITY, AND URBAN * APOPKA, ORLANDO * SR-429 * SR 429 RAMP 75320101 0.471 RAMP 75320102 0.867 RAMP 75320101 0.871 156.0' - 48.0' 4 - 12.0' ROWY 64.0 LWN MED 2 - 4.0' PVD INSHLD1 2 - 10.0' PVD SHLD1 2 - 12.0' LWN SHLD2	0.483 186.0' - 24.01+36.0R 2 - 12.0L + 3 - 12.0R ROWY 64.0 LWN MED 2 - 4.0' PVD INSHLD1 2 - 10.0' PVD SHLD1 2 - 12.0' LWN SHLD2	0.871 156.0' - 48.0' 4 - 12.0' ROWY 64.0 LWN MED 2 - 4.0' PVD INSHLD1 2 - 10.0' PVD SHLD1 2 - 12.0' LWN SHLD2
	ROADWAY COMPOSITION 0.400 28/FC-5 28/FC-5	HORIZONTAL ALIGNMENT 0.400 CURVE DATA NOT FIELD VERIFIED Δ=58°39'0019 D=1°21' PC=0.077 PI=0.523 PT=0.890	STRUCTURE DESCRIPTION 0.871
STRUCTURE DESCRIPTION			
DISTRICT USE			
SIS	0.400 SIS CORRIDOR	0.867 SIS CORRIDOR PLANNED ADD	
FUN CLASS	0.400 URBAN OTHER FREEWAY/EXPRESSWAY		

65 MPH



FLORIDA DEPARTMENT OF TRANSPORTATION STRAIGHT LINE DIAGRAM

