The findings and recommendations provided in this document are provided for discussion purposes only. This document is not complete and the process of acquiring relevant data is still on-going.

ACCESS MANAGEMENT STUDY

DRAFT

State Road 867 From Cypress Lake Drive to Colby Drive (Section # 12040-000, M.P. 2.671 to M.P. 3.695) Lee County

> Prepared for: FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT 1 TRAFFIC OPERATIONS

> > P.O. Box 1249 801 North Broadway Avenue, MS 1-8 Bartow, Florida 33831-1249



Access Management Design Support Financial Project Identification Number: 442582-1-32-01 Contract Number: C-AO82 TEDS Contract Number: 11145 Task Work Order: 14

> Prepared by: **Traffic Engineering Data Solutions, Inc.** 80 Spring Vista Drive DeBary, Florida 32713

> > February 2020

Prepared by: Colleen T. Jarrell, P.E.

Professional Engineer: Colleen T. Jarrell, P.E. P.E. Number 60128

1 INTRODUCTION

Traffic Engineering Data Solutions, Inc. (TEDS) was retained on behalf of the Florida Department of Transportation (FDOT) to conduct an Access Management Study on State Road (S.R.) 867 from Cypress Lake Drive (M.P. 2.671) to Colby Drive (M.P. 3.695) in Fort Myers (Lee County), Florida. A location map of the study corridor is shown below in *Figure 1*.

The analysis methods used in completing this study are consistent with the <u>Manual on Uniform</u> <u>Traffic Control Devices</u> (MUTCD 2009), the Highway Safety Improvement Program Guidelines, the FDOT's 2019 Access Management Guidebook, FDOT Design Manual (January 2020), FDOT District 1 guidelines/procedures, Florida Administrative Code Chapter 14-97, and engineering judgment. This document includes existing conditions, crash analysis, a conceptual access management plan, and a benefit-to-cost analysis.



Figure 1 Corridor Location Map S.R. 867 from Cypress Lake Drive to Colby Drive

Map Source: MapQuest

2 EXISTING CONDITIONS

S.R. 867 is a north/south roadway extending from C.R. 865/867 to S.R. 82/U.S. 41 in Fort Myers. Within the study corridor, S.R. 867 is a four-lane undivided roadway with a two-way left-turn lane. Details of the study corridor and the surrounding area are summarized in *Table 1* and depicted in the Straight Line Diagram and Existing Conditions Diagram in *Appendix A*.

| Feature | Description |
|-------------------------------------|---|
| Main Street | • S.R. 867 from Cypress Lake Drive to Colby Drive. |
| Area Location | Fort Myers (Lee County), Florida |
| Cross Section | Four-lane undivided roadway with curb and gutter, no shoulders, and a continuous two-way left-turn lane Sidewalk along both sides of the road throughout the corridor. No overhead street lighting is provided along the road. Overhead utility poles are located along the east side of the road. |
| AADT (2018) | Study Corridor – 35,500 vehicles per day (vpd) |
| Regulatory Speed Limit (per RCI) | Varies from 40 to 45 mph |
| Adjacent Land Uses | Commercial/residential |
| Alignment | Relatively straight and flat with a horizontal curve just north of W College Point Drive. |
| Context Classification | C3C – Suburban Commercial (M.P. 2.671 to 3.462) C3R – Suburban Residential (M.P. 3.462 to 3.603) C3R – Suburban Residential (M.P. 3.603 to 3.695) |
| Access Class | Access Class 6 |
| Signalized Intersections | Cypress Lake Drive (M.P. 2.671) Camelot Drive (M.P. 3.176) Cape Coral Bridge Drive (M.P. 3.465) |

| Table 1 |
|---|
| Summary of Existing Conditions |
| S.R. 867 from Cypress Lake Drive to Colby Drive |

3

COLLISION DATA

Crash data for the 48-month period between January 1, 2014 and December 31, 2017 was obtained from the FDOT's CARS database and the University of Florida's *Signal Four Analytics*. Additionally, the crash information from both databases for 2018 was used to verify crash trends and accuracy. Over the five-year period there were a total of 275 crashes that occurred on S.R. 867, consisting of the following crash types:

| CRASH TYPE | 2014 | 2015 | 2016 | 2017 | 2018 | TOTAL | AVERAGE PER YEAR |
|--------------|------|------|------|------|------|-------|---------------------|
| Angle | 6 | 4 | 4 | 2 | 3 | 19 | 3.2 |
| Backed-Into | 0 | 0 | 0 | 2 | 0 | 2 | 0.3 |
| Bicycle | 1 | 1 | 0 | 0 | 0 | 2 | 0.3 |
| Fixed-Object | 3 | 2 | 0 | 2 | 2 | 9 | 1.5 |
| Head-On | 0 | 0 | 1 | 0 | 1 | 2 | 0.3 |
| Left-Turn | 9 | 5 | 10 | 10 | 7 | 42 | 7.0 |
| Pedestrian | 0 | 1 | 0 | 0 | 0 | 1 | 0.2 |
| Rear-End | 37 | 23 | 28 | 33 | 30 | 151 | 25.2 |
| Right-Turn | 0 | 1 | 0 | 0 | 5 | 6 | 1.0 |
| Rollover | 0 | 1 | 0 | 0 | 0 | 1 | 0.2 |
| Side-Swipe | 6 | 8 | 7 | 10 | 8 | 39 | 6.5 |
| Other | 1 | 0 | 0 | 0 | 0 | 1 | 0.2 |
| Total | 63 | 46 | 50 | 59 | 56 | 275 | 45.8 |

Table 2Crash Type SummaryS.R. 867 from Cypress Lake Drive to Colby Drive

- The crashes resulted in three (3) fatalities, 91 injuries, and \$1,267,691 in estimated property damage.
- 214 of the crashes (78%) occurred during the day and the remaining 61 crashes (22%) occurred during the night.
- 241 of the crashes (88%) occurred on dry pavement conditions, 32 crashes (12%) occurred on wet pavement conditions and two (2) crashes (<1%) occurred on unknown pavement conditions.
- Two (2) fatal left-turn crashes occurred at the Bridge Plaza Entrance and Cypress Lake Drive.
- The two (2) bicycle and one (1) pedestrian crash occurred at various locations throughout the corridor, without any noticeable concentration in any particular location.
- Based on a review of the crash data, angle and left-turn crashes along the corridor at unsignalized locations were noted to be dispersed throughout the corridor with a higher concentration of crashes noted at the following locations:
 - Seven (7) left-turn (including one (1) fatal) and two (2) angle crashes were noted at the Bridge Plaza Entrance.

• In reviewing the crash data, we identified a high number of left-turn crashes associated with the left-turn movements at the Cypress Lake Drive intersection (two (2) northbound and eight (8) southbound crashes in 5 years). It is recommended that potential conversion to protected-only left-turn phasing for the southbound left-turn movement be evaluated.

Detailed collision summaries and diagrams are provided in Appendix B.

4

FDOT AND COUNTY ROADWAY IMPROVEMENTS

FDOT's Five (5) Year Work Program and Lee County's Long-Range Capital Improvement Plan were reviewed for any scheduled improvements along the S.R. 867 corridor. There are no planned projects along this corridor from either FDOT or Lee County.

5

CONCEPTUAL ACCESS MANAGEMENT PLAN

A conceptual access management improvement plan was developed, consisting of full median openings at signalized intersections. Unsignalized full median openings and directional median openings are not provided in this plan due to the potential changes in corridor turning movements and crash trends between the time of this study effort and the design phase. The placement of additional median openings at unsignalized locations (full and directional) should be determined during the design and be based on turning movement volumes, type of land use, an operational evaluation of the corridor, field observations, collision data provided in this report, side street connectivity, public outreach, the FDOT Access Management Guidelines and engineering judgement. The intent of this plan is to provide the typical section with a raised median, along with probable costs and a benefit/cost analysis associated with the construction of a raised median. Recognizing that the location of median openings will be assessed in more detail during the design stages of the project, noted consideration should be given at such time towards re-evaluating and addressing the relatively high concentration of angle and left-turn crashes at the Bridge Plaza Entrance.

A critical component in developing an access management improvement plan is the FDOT context classification. The corridor was determined by FDOT to be C3C-Suburban Commercial from Cypress Lake Drive to just south of College Parkway and C3R-Suburban Residential from just south of College Parkway to Edinburgh Drive. Currently throughout the study corridor, S.R. 867 from Cypress Lake Drive to Edinburgh Drive has an access classification of 6, which is non-restrictive median type. Signalized full median openings are provided at Cypress Lake Drive, Camelot Drive/Landings Drive, and College Parkway. Bike lanes are not currently provided on the study segment or along the adjacent roadway segments.

The typical right-of-way width varies along the corridor from approximately 80 feet to 100 feet. The roadway width for the typical section is 67 feet (varying by one (1) to two (2) feet) and consists of four (4) 13-foot lanes, a 15-foot two-way left-turn lane and Type F curb and gutter on both sides of the road. Included in *Appendix C* is a typical section showing existing and proposed conditions. It is recommended to convert the existing continuous two-way left-turn lane to a 15-foot raised median that transitions to a 4-foot Type 1 Option 1 concrete traffic separator per FDOT index No. 520-020, with an auxiliary 11-foot left-turn lane at median openings. The proposed typical section was selected in order to avoid right-of-way acquisitions and significant construction impacts, but may require a design variation and/or exception for lane width (FDM Table 201.2.1) involving travel lanes and auxiliary lanes. For the purposes of this study, the design speed was assumed to be 5-mph above the posted speed limit.

Side street connectivity was reviewed and the surrounding street network appears to provide adequate alternate routes to access signalized intersections and to accommodate a more restrictive median along the corridor, however, there are many driveways along the corridor that will not benefit from a grid network. Thus, U-turn opportunities should be considered when recommending median openings along the corridor. The proposed typical section for S.R. 867 is a four-lane divided roadway and given the surrounding roadway grid, U-turn movements are anticipated to be low. However, given the roadway width, U-turn aprons are likely to be needed and should be evaluated during the design phase.

For the purposes of this effort, the lengths of the left-turn lanes at signalized intersections were

based on the existing turn-lane length. For locations where the existing turn-lane storage was less than the current criteria/standards contained in the FDM, the turn-lane length was increased to meet current standards for the roadway. During the design phase, the turning movement volumes, including additional volumes resulting from new U-turns, should be used to determine the required left-turn storage.

As shown in the typical section included in *Appendix C*, the recommended improvements will not add additional travel lanes or widen the existing roadway. The existing roadway is in an urban section with curb & gutter on the outside that collects runoff in a series of inlets, which is then conveyed in a series of pipe culverts. As shown in *Appendix C*, removal of existing pavement and installation of a sodded median in locations where it does not presently exist is expected to result in a net decrease of impervious area. Throughout most of the corridor, existing drainage patterns will be maintained. However, in areas of proposed left-turn lanes, overbuild is proposed to remove the existing crown of the road, such that runoff form all portions of the proposed turn-lane will be directed across the adjacent travel lanes to the outside curb line. Though no impacts to the existing outside curb & gutter are anticipated, spread calculations for existing inlets may need to be analyzed during design to ensure that additional inlets are not required as a result of these minor changes in existing drainage patterns.

6 COST ESTIMATE

The overall improvement costs were estimated based on FDOT historical unit prices as shown in *Table 3*. The total cost of the improvements, including engineering and CEI, are estimated at approximately \$477,188. The cost estimate includes reasonable assumptions for the length of left-turn lanes and should be updated as part of the design phase. An Improvement Diagram is provided in *Appendix C*.

| Table 3 |
|---|
| Engineer's Estimate of Probable Costs |
| S.R. 867 from Cypress Lake Drive to Colby Drive |

| | ENGINEER'S OPINION OF S.R. 867 from Cypress La | | | | | | | | |
|------------|---|-------|------------------|-------------|----------------|--|--|--|--|
| PAY ITEM | PAY ITEM DESCRIPTION | UNITS | QUANTITY | | TOTAL | | | | |
| 0660 2106 | LOOP ASSEMBLY, F&I, TYPE F | AS | 3 | \$ 902.4 | - | | | | |
| | | | SIGN | AL SUBTOTA | | | | | |
| 0104 18 | INLET PROTECTION SYSTEM | EA | 24 | \$ 102.2 | 3 \$2,453.52 | | | | |
| 0110 1 1 | CLEARING & GRUBBING | AC | 1.04 | \$ 14,035.2 | - + , | | | | |
| 0327 70 1 | MILLING EXIST ASPH PAVT, 1" AVG DEPTH | SY | 1,377 | \$ 2.1 | | | | | |
| 0337 7 82 | ASPH CONC FC,TRAFFIC C,FC-9.5,PG 76-22 | TN | 75.735 | \$ 142.3 | 5 \$10,780.88 | | | | |
| 0520 2 2 | CONCRETE CURB, TYPE B | LF | 6,617 | \$ 25.5 | 5 \$169,130.52 | | | | |
| 0520 5 11 | TRAF SEP CONC-TYPE I, 4' WIDE | LF | 870 | \$ 42.1 | 1 \$36,635.70 | | | | |
| 0520 70 | CONCRETE TRAFFIC SEPARATOR, SP- VAR WIDT | SY | 39 | \$ 73.8 | 6 \$2,880.54 | | | | |
| 0570 1 2 | PERFORMANCE TURF, SOD | SY | 4,650 | \$ 2.5 | 7 \$11,950.50 | | | | |
| | | | ROADW | AY SUBTOTA | L \$251,443.91 | | | | |
| 0711 14125 | THERMOPLASTIC, PREFORM, WHITE, SOLID,24" | LF | 45 | \$ 16.6 | 3 \$748.35 | | | | |
| 0711 14170 | THERMOPLASTIC, PREFORMED, WHITE, ARROW | EA | 15 | \$ 154.5 | 2 \$2,317.80 | | | | |
| 0711 15101 | THERMOPLASTIC, STD-OP, WHITE, SOLID, 6" | GM | 0.161 | \$ 4,326.9 | 5 \$696.64 | | | | |
| 0711 15131 | THERMOPLASTIC, STD-OP, WHITE, SKIP, 6" | GM | 0.095 | \$ 1,515.5 | 7 \$143.98 | | | | |
| 0711 15201 | THERMOPLASTIC, STD-OP, YELLOW, SOLID, 6" | GM | 1.645 | \$ 4,283.6 | 5 \$7,046.60 | | | | |
| | | Р | AVEMENT MARKI | NG SUBTOTA | L \$10,953.37 | | | | |
| | | | | SUBTOTA | L \$265,104.48 | | | | |
| | | | | | | | | | |
| 0101 1 | | | BILIZATION (10%) | | \$26,510.45 | | | | |
| 0102 1 | MAINT | | OF TRAFFIC (20%) | | \$53,020.90 | | | | |
| 0999 25 | | | NTINGENCY (20%) | | \$53,020.90 | | | | |
| | | CONST | RUCTION TOTAL | | \$397,656.72 | | | | |
| | | | | | \$53,020.90 | | | | |
| | ENGINEERING (20%) | | | | | | | | |
| | | | CEI (10%) | | \$26,510.45 | | | | |
| | 1 | | PR | | L \$477,188.06 | | | | |

*Note: Milling and resurfacing restricted to left-turn lanes

7 BENEFIT/COST ANALYSIS

A benefit cost analysis was conducted for the construction of a raised median to determine if the project is justified based on criteria outlined in the Highway Safety Improvement Program Manual. The benefit of the improvement is determined as the cost associated with any crash susceptible to correction by the improvement.

The Federal Highway Administration's (FHWA) CMF Clearinghouse identifies a Crash Modification Factor (CMF) of 0.61 for the installation of a raised median for a prior road condition with no raised median. This CMF was applied to all long form crashes within the study corridor minus crashes that occurred within the signalized intersections and rear-end crashes on approach to the signalized intersections. Crash modification factor information sheets are provided in *Appendix D*.

Based on the Benefit Cost Analysis spreadsheet shown as **Table 4**, upon applying the CMF factors to 74 long form crashes along the corridor, the improvements are projected to result in a reduction of 5.77 crashes per year. The cost per crash is \$207,971 as obtained from FDOT's CAR Segment Based Crash Rate Statistics (statewide suburban 4-5 lane 2-way undivided roadway). Therefore, the Benefit/Cost ratio of the proposed improvements is 31.73. The proposed improvements are justified as a candidate project for federal safety funding.

The Net Present Value (NPV) for the improvements is estimated at \$15,836,757. The NPV calculations are provided in *Appendix E*.

Table 4Benefit/Cost AnalysisS.R. 867 from Cypress Lake Drive to Colby Drive

| - | | | | | | | | | | | | | | | |
|----------|--|-----------------|--------------------------|-----------|-----------|----------|---------|----------|----------|---------------------|-----------------|--------------------------|--------------|---|-------------------|
| 2. 3. | SUBMITTED BY DATE SUBMITTED PROJECT NO. ALTERNATIVE NO. | | TEDS 1/30/2020 1 | | | | | | - | FM # | | 5. SN | 12040 | SAFETY PRIC ENV. STUDY SKID (ID) SPEED | ORITY 40 to 45 |
| 6. | DISTRICT | 1 | COUNTY Lee | | | _ | | SECTI | ION | 12040 | | SR | 867 | U.S. ROAD | N/A |
| 7. | BEGIN MILE POST | 2.671 | - | | | EN | D MILE | POST | 3.695 | _ | | LENGTH | 1.024 | NODE | N/A |
| 10. | PROPOSED IMPRO | OVEMENTS (| (LIST AND DISCUSS): | | | | | | | | | | | | |
| | Install a raised medi | ian | | | | | | | | | | | | | |
| | YEAR | | | 2014 | 2015 | 2016 | 2017 | 2018 | AVG | | | 14. | | | FOR FACILITY |
| 12. | Benefit: Install a Raised | NO. OF CR | ASHES | 17 | 14 | 9 | 21 | 13 | 14.8 | | | | COST/CRAS | SH | \$207,971.00 |
| | | | IES POTENTIALLY | 6.63 | 5.46 | 3.51 | 8.19 | 5.07 | 5.77 | | | | CRASH CL | | -\$100.00 |
| | | REDUCED | BY PROJECT | | | <u> </u> | | <u> </u> | |] | | | INTEREST | RATE | 4% |
| | Cr | ashes Reduc | ced | | | | | 15. | | ANNUAL COS | <u>St of In</u> | <u>IPROVEMEN</u> COST | | CRF | AN'L COST |
| | | | | | ł | | | | A. | R-O-W | \$ | - | 50 | | AN L COST \$0 |
| | 9.00 | 11111 | | | i | | | | | PECEI | \$ | 79,531.34 | 20 | | \$5,854 |
| | 8.00 | | | | i | | | | | STRUCTURAL | | - | 50 | | \$0 |
| | | | | | i | | | | D. | SIGNAL | \$ | 4,060.80 | 20 | | \$299 |
| | 7.00 | 11111 | | | l | | | | | STRIPING | \$ | 16,430.06 | 8 | | \$2,440 |
| | 6.00 | | | | | | | | | ROADWAY SUBTOTAL | \$ | 377,165.86 | 20 | 0.0736 | \$27,759 |
| | 5.00 | | | - | ł | | | | | | \$ \$ | 477,188.06 | 15 | 0.0899 | \$36,352 \$0 |
| | | | | | i | | | | | CRASH CLEAN | | | | 0.0000 | \$1,480 |
| | 4.00 | | | | j | | | | | TOTAL | - | | | | \$37,832 |
| | 3.00 | 11 | | | ! | | | 40 | · | | | | | | |
| | 2.00 | | | - | | | | 16. | BENE | FIT | | | | - | \$1,200,409 |
| | 1.00 | | | | ł | | | | | | | | | | |
| | 0.00 | | | | i | | | 17. | | | | | | | |
| | 2014 | 4 2015 | 2016 2017 2018 | i. | i | | | | BENE | FIT / COST | | | | - | 31.73 |
| | PREPARED BY: | | | | | | | | APPR | OVED BY: | | | | DATE: | |
| • Co: | st per crash based on C | Category 25- Si | uburban 4-5 Lane 2 Way l | Jndivider | d (\$207, | .971) as | obtaine | d from t | the Segr | ment Based crash | Rate Stat | istics for FDOT | (year 2018). | | |

• Installation of a raised median has a CMF of 0.61 pertaining to all crash types; this CMF was applied to all the long-form crashes throughout the corridor minus crashes that occurred in the signalized intersections and rear-end crashes on approach to the signalized intersections.

APPENDIX

APPENDIX A

STRAIGHT LINE DIAGRAM AND EXISTING CONDITION DIAGRAM

| DATE | | 5 YR INV 06/26/2017 | SLD REV 07/21/2017 | BMP EMP IN 3.489 6.485 06/26 | /2019 7/11/19(430887/433221/ | FLORIDA DEPARTMENT OF TRANSPORTATI | | | SECTION STATUS | INT. or US ROUTE NO. | ST |
|---------|-----------------------------|---|--|---------------------------------|---|---|--|--------------------------------------|---|--|---|
| BY | | FTE | FTE | 0.000 6.485 | 440119) 09/19/19 (F241) | | RAM OF ROAD INV | ENTORY | 12 | | <u>.</u> |
| | ILD MCGREGOR | INSIDE URBAN, OUTSIDE CITY INSIDE URBAN, OUTSIDE CITY INSIDE CORAL INSIDE CORAL INI | | 0.626 0.626 | ENT 1800 | 0900 .157 .157 .0090 .090 | | 1.757 PLASS 1.757 PLACID DR | 1.305 1.305 | 1.993 DEEP LAGON LN | |
| | ومیا ROADWAY FEATURES | × 00 0 22 0 24 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 | 15.0° - 52.0° - 13.0° RDWY -9.0 CB8VEG MED - 2.0° C&G INSHLD1 - 2.0° C&G INSHLD1 - 2.0° C&G SHLD1 | PINE RIDGE RD | MCGREGOR PARK ENT 0.800 | MAHOE CT 1.015 1.090 MARTIN DR 1.157 1.157 | ABACO LAKES DR 1497 | : : | | | BAY HARBOR ENT |
| L AJ | ANE WIDTHS RE AVERAGED | 2 - 12.0'L + 2 - 13.0'R RDW 35.0 CB&VEG MED 2 - 2.0' C&G INSHLD1 2 - 2.0' C&G SHLD1 | Ŷ | | | | | | | | |
| | ROADWAY | 28/FC-4 28/FC-4 | | | | | | | | | |
| | HORIZONTAL ALIGNMENT | CUR∨E DATA N□T | FIELD VERIFIED | | ∆=3°40'00.00" <u>P=1'00'00 00</u> PC=0.719 PI=0.754 PT=0.788 B=N45°47'32"E | | | | | | |
| | STRUCTURE | | | | | |) 1.407 16' X 6' X 154 CBC | | | 2.623 2.6 X 5 X 135 CBC | |
| | DISTRICT USE | | | | | | | | | | |
| - | SIS FUN CLASS | URBAN MINOR ART | | | | | | | | | |
| | | | | | | | | | | | |
| | UU VU VU | 10 INSIDE URBAN, OUTSIDE CITY CAPE CORAL T=MCGREGOR BLVD T=SR 867 | | a.176 | | TURNOUT | | TL | \$0 ₁₀ | the of the second | KEENAN AVE |
| | ROADWAY FEATURES | | | CAMELOT DR 3.176 | BRIDGE PLZ ENT 3.294 | TURNOUT 3.462 | COLLER ATU. |)' - 24.0'L+12.0'R | 3.609 WEST COLLEGE PT DR | 230 | 2 38.0' - 22 2 - 11.0' 2 - 00' LW |
| | LANE WIDTHS ARE AVERAGED | 71.0' - 52.0' 4 - 13.0' RDWY 15.0 PVD MED | | | | ← 81.0' - 48.0' ∞ 4 - 12.0' RDWY [∞] 29.0 TFSP MED [∞] 1.0' PVD INSHLD1 - LT | ເດ 16.0 ຕ 5.0' 2.0' | LWN SHLD2 - LT 00 2 - | 0' - 24.0' 12.0' RDWY) PVD MED PVD SHLD1 - LT CRG SHLD1 - RT | 51.0' - 24.0' 51.0' - 24.0' 2 - 12.0' RDW 9.0 PVD MED 5.0' PVD SHL | 6.0' LWN |
| - | | 2 - 2.0' C&G SHLD1 | | | | 2 - 2.0' C&G SHLD1 | 2 - 2.0' C&G SHLD1 | 12.0 | 0' LWN SHLD2 - LT | 6.0' LWN SHL 7.0' LWN SHL | |
| | ROADWAY | 28/FC-4 | | | | | | | | 2 9 0 | 28/FC-4 |
| F | - Sim Cornon | 28/FC-4 CUR∨E DATA N⊡T | FIELD VERIFIED | | | | | | PC=3.6 | 45 | |
| | HORIZONTAL ALIGNMENT | | | | | | | | PI=3.68 PT=3.6 Δ=13°2 D=3°00 | 82 | |
| | STRUCTURE | | | | | | 00 00 00 00 00 00 00 00 00 00 00 00 00 | | | 3,726 | 1 - 24" X 24' CC |
| | DISTRICT USE | | | | | | | | | | |
| ⊢ | SIS FUN CLASS | URBAN MINOR ART | | | | | | | | | |
| | | | | | | | | | | | |

Version: 1.4.2.27 07/11/2019





 \checkmark MATCHLINE

Ш MATCHLINE



 \bigcirc

\cup MATCHLINE

APPENDIX B

COLLISION SUMMARIES & DIAGRAMS

| FLORIDA DEPARTMENT OF TRANSPORTATION | | | | | | | | | | | | | |
|--------------------------------------|----------|-----------|----------|---------|--------|----------------------|--------------------|------------------|-------|----------|----------------|--------------|-----------------------|
| | | | | | | COLLI | SION | SUMMAI | R Y | | | | |
| Section: | 12040 | | | | | State Road: | 867 | | | County: | Lee | | |
| Intersectin | g route: | Cypress I | Lake / C | Colby D | rive | Milepost: | 2.671 - 3.69 | 5 | | Data by: | SEN | | |
| Study perio | od: | 1/1/2014 | to | 12/31/2 | 2014 | | | | | Date: | 1/16/2020 |) | |
| NO. | DATE | DAY | TIME | FATAL | INJURY | INJURY SEVERITY | PROPERTY DAMAGE | HARMFUL EVENT | FORM | DUI | DAY / NIGHT | WET / DRY | CONTRIBUTING CAUSE |
| 1 | 01/07/14 | Tuesday | 0:47 | 0 | 1 | 3-Non-Incapacitating | \$7,000 | Left-Turn | Long | No | Night | Dry | Ran Red Light |
| 2 | 01/08/14 | Wednesday | 12:56 | 0 | 0 | 1-None | \$10,000 | Angle | Long | No | Day | Dry | Ran Red Light |
| 3 | 01/11/14 | Saturday | 18:24 | 0 | 0 | 1-None | \$10,000 | Rear-End | Short | No | Night | Dry | Careless Driving |
| 4 | 01/15/14 | Wednesday | 23:47 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Night | ? | Careless Driving |
| 5 | 01/19/14 | Sunday | 2:02 | 0 | 0 | 1-None | \$5,000 | Fixed-Object | Long | No | Night | Dry | DUI |
| 6 | 01/25/14 | Saturday | 2:19 | 0 | 0 | 1-None | \$2,000 | Fixed-Object | Long | Yes | Night | Dry | Careless Driving |
| 7 | 01/30/14 | Thursday | 17:14 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Wet | Careless Driving |
| 8 | 02/07/14 | Friday | 10:19 | 0 | 0 | 1-None | \$4,000 | Rear-End | Short | No | Day | ? | Careless Driving |
| 9 | 02/08/14 | Saturday | 20:22 | 0 | 1 | 4-Incapacitating | \$7,000 | Left-Turn | Long | No | Night | Dry | FTYROW |
| 10 | 02/13/14 | Thursday | 20:19 | 0 | 0 | 1-None | \$1,000 | Rear-End | Short | No | Night | Dry | Careless Driving |
| 11 | 02/18/14 | Tuesday | 18:58 | 0 | 0 | 1-None | \$14,000 | Rear-End | Long | No | Night | Dry | Careless Driving |
| 12 | 02/27/14 | Thursday | 7:24 | 0 | 0 | 1-None | \$0 | Side-Swipe | Short | No | Day | Dry | Improper Lane Change |
| 13 | 02/27/14 | Thursday | 20:36 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Night | Wet | Careless Driving |
| 14 | 02/28/14 | Friday | 23:05 | 0 | 1 | 2-Possible | \$17,000 | Angle | Long | Yes | Night | Dry | DUI |
| 15 | 03/24/14 | Monday | 21:58 | 0 | 0 | 1-None | \$5,000 | Rear-End | Long | No | Night | Wet | Careless Driving |
| 16 | 04/01/14 | Tuesday | 18:37 | 0 | 0 | 1-None | \$250 | Side-Swipe | Long | No | Day | Dry | Improper Lane Change |
| 17 | 04/08/14 | Tuesday | 15:31 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Wet | Careless Driving |
| 18 | 04/10/14 | Thursday | 16:05 | 0 | 0 | 1-None | \$11,500 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 19 | 04/11/14 | Friday | 12:30 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 20 | 04/27/14 | Sunday | 10:30 | 0 | 0 | 1-None | \$2,000 | Fixed-Object | Long | No | Day | Dry | Lost Control |
| 21 | 05/02/14 | Friday | 16:22 | 0 | 0 | 1-None | \$10,000 | Angle | Long | No | Day | Dry | FTYROW |
| 22 | 05/05/14 | Monday | 17:50 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 23 | 05/07/14 | Wednesday | 20:48 | 0 | 0 | 1-None | \$1,750 | Rear-End | Long | Yes | Night | Dry | Careless Driving |
| 24 | 06/02/14 | Monday | 0:30 | 0 | 0 | 1-None | \$0 | Side-Swipe | Short | No | Night | Dry | Improper Lane Change |
| 25 | 06/09/14 | Monday | 14:59 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 26 | 06/10/14 | Tuesday | 21:07 | 0 | 0 | 1-None | \$2,000 | Rear-End | Long | Yes | Night | Dry | DUI |
| 27 | 06/17/14 | Tuesday | 17:40 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 28 | 06/19/14 | Thursday | 17:17 | 0 | 0 | 1-None | \$0 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 29 | 06/22/14 | Sunday | 11:18 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 30 | 06/22/14 | Sunday | 18:13 | 0 | 1 | 2-Possible | \$10,000 | Left-Turn | Long | Yes | Day | Dry | FTYROW |
| 31 | 06/25/14 | Wednesday | 14:36 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 32 | 07/02/14 | Wednesday | 12:59 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 33 | 07/03/14 | Thursday | 15:38 | 0 | 0 | 1-None | \$13,000 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 34 | 07/11/14 | Friday | 15:24 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Wet | Lost Control |
| 35 | 07/16/14 | Wednesday | 13:55 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 36 | 07/24/14 | Thursday | 8:29 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 37 | 07/25/14 | Friday | 16:38 | 0 | 0 | 1-None | \$15,000 | Left-Turn | Short | No | Day | Dry | FTYROW |
| 38 | 07/26/14 | Saturday | 14:05 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Wet | Following Too Closely |
| 39 | 08/06/14 | Wednesday | 17:30 | 0 | 1 | 2-Possible | \$16,100 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 40 | 08/14/14 | Thursday | 14:52 | 0 | 0 | 1-None | \$0 | Side-Swipe | Short | No | Day | Dry | Reckless Driving |
| 41 | 08/21/14 | Thursday | 14:12 | 0 | 0 | 1-None | \$0 | Side-Swipe | Short | No | Day | Dry | Improper Lane Change |
| 42 | 08/21/14 | Thursday | 17:50 | 0 | 0 | 1-None | \$0 | Angle | Short | No | Day | Dry | FTYROW |
| 43 | 09/02/14 | Tuesday | 16:09 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Wet | Careless Driving |
| 44 | 09/10/14 | Wednesday | 8:35 | 0 | 0 | 1-None | \$12,000 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 45 | 09/13/14 | Saturday | 16:47 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 46 | 10/04/14 | Saturday | 0:14 | 0 | 0 | 1-None | \$3,000 | Left-Turn | Long | No | Night | Wet | Ran Red Light |
| 47 | 10/07/14 | Tuesday | 20:55 | 0 | 0 | 1-None | \$4,000 | Left-Turn | Long | Yes | Night | Dry | FTYROW |
| 48 | 10/13/14 | Monday | 14:54 | 0 | 1 | 3-Non-Incapacitating | \$500 | Bicycle | Long | No | Day | Dry | FTYROW |
| 49 | 10/20/14 | Monday | 18:13 | 0 | 0 | 1-None | \$900 | Rear-End | Short | No | Day | Dry | Careless Driving |

| | COLLISION SUMMARY | | | | | | | | | | | | | |
|--------------|-------------------|-----------------|-------------|--------------|--------------|-------------------------|---------------------|--------------------------|-----------------------|----------|----------------|-----------------|-----------|------------|
| Section: | 12040 | | | | | State Road: | 867 | | | County: | Lee | | | |
| Intersectin | g route: | Cypress I | Lake / C | Colby D | rive | Milepost: | 2.671 - 3.695 | 5 | | Data by: | SEN | | | |
| Study perio | od: | 1/1/2014 | to | 12/31/2 | 014 | | | | | Date: | 1/16/2020 |) | | |
| NO. | DATE | DAY | TIME | FATAL | INJURY | INJURY SEVERITY | PROPERTY DAMAGE | HARMFUL EVENT | FORM | DUI | DAY / NIGHT | WET / DRY | CONTRIBUT | TING CAUSE |
| 50 | 10/21/14 | Tuesday | 11:34 | 0 | 0 | 1-None | \$4,000 | Angle | Long | No | Day | Dry | FTY | ROW |
| 51 | 10/27/14 | Monday | 18:16 | 0 | 0 | 1-None | \$10,000 | Rear-End | Long | No | Day | Dry | Careless | Driving |
| 52 | 11/01/14 | Saturday | 11:53 | 0 | 0 | 1-None | \$1,600 | Rear-End | Long | No | Day | Dry | Careless | Driving |
| 53 | 11/04/14 | Tuesday | 14:10 | 0 | 2 | 2-Possible | \$4,000 | Left-Turn | Long | No | Day | Dry | FTY | ROW |
| 54 | 11/09/14 | Sunday | 11:45 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Wet | Careless | Driving |
| 55 | 11/09/14 | Sunday | 18:23 | 0 | 1 | 2-Possible | \$5,000 | Angle | Long | No | Night | Wet | FTY | ROW |
| 56 | 11/11/14 | Tuesday | 15:36 | 0 | 0 | 1-None | \$10,000 | Other | Long | No | Day | Dry | Careless | Driving |
| 57 | 11/14/14 | Friday | 18:00 | 0 | 0 | 1-None | \$3,500 | Rear-End | Long | No | Day | Dry | Careless | Driving |
| 58 | 11/19/14 | Wednesday | 19:04 | 0 | 0 | 1-None | \$6,000 | Rear-End | Long | No | Day | Dry | Careless | Driving |
| 59 | 12/03/14 | Wednesday | 16:00 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Distracte | d Driving |
| 60 | 12/10/14 | Wednesday | 8:41 | 0 | 0 | 1-None | \$3,000 | Side-Swipe | Long | No | Day | Dry | Careless | Driving |
| 61 | 12/16/14 | Tuesday | 16:53 | 0 | 1 | 3-Non-Incapacitating | \$22,500 | Rear-End | Long | No | Day | Dry | Careless | Driving |
| 62 | 12/19/14 | Friday | 14:34 | 0 | 0 | 1-None | \$0 | Left-Turn | Short | No | Day | Dry | FTY | ROW |
| 63 | 12/31/14 | Wednesday | 11:14 | 0 | 0 | 1-None | \$6,000 | Left-Turn | Long | No | Day | Wet | FTY | ROW |
| | | | | | | | | | | | | | | |
| TOTAL | | | | 0 | 10 | | \$259,600 | | | | | | | |
| TOTAL NO. | D (D | Injury Sev | , | Fatality | Rear- End | Side-Swipe | Fixed-Object | Left-Turn | Bicycle | Angle | Other | | | |
| 63 | 1 2 | amage Only 4 | Injury 9 | Patanty 0 | 37 | 6 | 3 | 9 | 1 | 6 | 1 | 0 | 0 | 0 |
| Percent | - | - | 9 | 0% | 59% | 10% | 5% | 9 | 2% | 10% | 2% | 0% | 0% | 0% |
| CONTRIB | | | | - | - | | Distracted | 1070 | 270 | | Reckless | Ran Red | | |
| CAUSE | Day | Night | Dry | Wet | ? | Improper Lane Change | Careless Driving | Following Too Closely | Distracted Driving | DUI | FTYROW | Lost Control | Driving | Light |
| Total | 46 | 17 | 50 | 11 | 0 | 4 | 36 | 1 | 1 | 3 | 12 | 2 | 2 1 3 | |
| Percent | 73% | 27% | 79% | 17% | 0% | 6% | 57% | 2% | 2% | 5% | 19% | 3% | 2% | 5% |



MATCHLINE

В MATCHLINE



MATCHLINE C

| FLORIDA | DEPARTMENT OF TRANSPORTATION | N |
|---------|-------------------------------------|---|
|---------|-------------------------------------|---|

I

| FLORIDA DEFARIMENT OF TRANSFORTATION | | | | | | | | | | | | | | | |
|--------------------------------------|----------------------|------------------------|----------------|----------|--------|------------------------------------|--|----------|--------------------|---------------|----------|----------------|--------------|-------------|----------------------------|
| | | | | | | | LISION | SUM | MARY | | | | | | |
| Section: | 12040 | ~ * | | | - | State Road: | | - | | | County: | Lee | | | |
| Intersecting | <i>.</i> | Cypress L | | • | | Milepost: | 2.671 - 3.695 | 5 | | | Data by: | TSH | | | |
| Study perio | oa: | 1/1/2015 | to | 12/31/2 | 015 | | DD ODDDTU | | | | Date: | 1/16/2019 | 1 | | |
| NO. | DATE | DAY | TIME | FATAL | INJURY | INJURY SEVERITY | PROPERTY DAMAGE | HARMF | UL EVENT | FORM | DUI | DAY / NIGHT | WET / DRY | CONTRIBUT | TING CAUSE |
| 1 | 01/09/15 | Friday | 16:34 | 0 | 1 | 3-Non-Incapacitating | \$1,150 | В | icycle | Long | No | Day | Dry | Bike-F | YROW |
| 2 | 01/11/15 | Sunday | 19:45 | 0 | 0 | 1-None | \$30,000 | A | Angle | Long | No | Night | Wet | Ran Re | ed Light |
| 3 | 01/14/15 | Wednesday | 13:18 | 0 | 0 | 1-None | \$0 | | ar-End | Short | No | Day | Dry | | Driving |
| 4 | 01/16/15 | Friday | 20:50 | 0 | 0 | 1-None | \$0 | | e-Swipe | Short | No | Night | Dry | FTY | ROW |
| 5 | 01/19/15 | Monday | 10:20 | 0 | 0 | 1-None | \$0 | | e-Swipe | Short | No | Day | Dry | | ane Change |
| 6 | 01/20/15 | Tuesday | 23:15 | 0 | 2 | 2-Possible | \$11,000 | | ar-End | Long | No | Night | Dry | | Driving |
| 7 | 02/06/15 | Friday | 20:04 | 0 | 0 | 1-None | \$15,000 | | Angle | Long | No | Night | Dry | | ed Light |
| 8 | 02/13/15 | Friday | 10:50 | 0 | 0 | 1-None | \$0 | | e-Swipe | Short | No | Day | Dry | | ROW |
| 9 | 02/23/15 | Monday | 19:16 | 0 | 0 | 1-None | \$4,000 | | ar-End | Long | No | Night | Dry | | Driving |
| 10 | 02/27/15 | Friday | 14:16 | 0 | 1 | 3-Non-Incapacitating | | | d-Object | Long | No | Day | Dry | | Driving |
| 11 | | Friday | 15:00 | 0 | 0 | 1-None | \$0 \$0 | | ar-End | Short | No | Day | Dry | | Foo Closely |
| 12 | 03/09/15 | Monday Thursday | 16:00 8:48 | 0 | 1 | 1-None 2-Possible | \$0 \$8,000 | | e-Swipe ar-End | Short Long | No No | Day Day | Dry Dry | | ane Change |
| 13 | 03/12/15 | Friday | 2:16 | 0 | 1 | 2-Possible 2-Possible | \$8,000 | | ar-End ft-Turn | Long | No | Night | Dry Dry | FTY | Driving |
| 14 | 03/13/15 | Friday | 2:16 | 0 | 2 | 2-Possible 3-Non-Incapacitating | | | ngle | Long | No | Day | Dry | | raffic Control |
| 15 | 03/13/13 | Wednesday | 14:17 | 0 | 0 | 1-None | \$0,500 | | ar-End | Short | No | Day | Dry | Ū | Driving |
| 17 | 03/20/15 | Friday | 8:00 | 0 | 0 | 1-None | \$0 | | ar-End | Short | No | Day | Dry | | Driving |
| 18 | 03/23/15 | Monday | 16:00 | 0 | 2 | 2-Possible | \$7,000 | | ar-End | Long | No | Day | Dry | | Driving |
| 19 | 03/27/15 | Friday | 15:10 | 0 | 0 | 1-None | \$3,500 | | ar-End | Long | No | Day | Wet | | Driving |
| 20 | 03/30/15 | Monday | 8:41 | 0 | 0 | 1-None | \$0 | | ar-End | Short | No | Day | Dry | | Foo Closely |
| 21 | 04/05/15 | Sunday | 21:03 | 0 | 2 | 2-Possible | \$30,000 | | Angle | Long | Yes | Night | Dry | Ų | ROW |
| 22 | 04/28/15 | Tuesday | 11:20 | 0 | 0 | 1-None | \$1,750 | | ar-End | Short | No | Day | Dry | Careless | Driving |
| 23 | 05/13/15 | Wednesday | 17:35 | 2 | 2 | 5-Fatal | \$20,800 | | ft-Turn | Long | No | Day | Wet | FTY | |
| 24 | 05/13/15 | Wednesday | 18:03 | 0 | 0 | 1-None | \$6,500 | | ar-End | Long | No | Day | Dry | Careless | Driving |
| 25 | 05/15/15 | Friday | 17:02 | 0 | 0 | 1-None | \$1,700 | Re | ar-End | Short | No | Day | Dry | Careless | Driving |
| 26 | 05/31/15 | Sunday | 13:40 | 0 | 0 | 1-None | \$0 | Re | ar-End | Short | No | Day | Dry | Careless | Driving |
| 27 | 06/01/15 | Monday | 17:17 | 0 | 0 | 1-None | \$11,500 | Re | ar-End | Long | No | Day | Dry | Following ' | Foo Closely |
| 28 | 06/10/15 | Wednesday | 22:29 | 0 | 0 | 1-None | \$2,500 | Fixe | d-Object | Long | No | Night | Wet | Mech | anical |
| 29 | 06/12/15 | Friday | 22:07 | 0 | 1 | 2-Possible | \$7,000 | Side | e-Swipe | Long | Yes | Night | Dry | D | UI |
| 30 | 06/13/15 | Saturday | 17:06 | 0 | 0 | 1-None | \$1,000 | Re | ar-End | Long | Yes | Day | Dry | D | UI |
| 31 | 06/24/15 | Wednesday | 15:58 | 0 | 0 | 1-None | \$1,000 | Side | e-Swipe | Long | No | Day | Dry | Imprope | r Passing |
| 32 | 07/11/15 | Saturday | 21:09 | 0 | 0 | 1-None | \$0 | Re | ar-End | Short | No | Night | Dry | Following ' | Гоо Closely |
| 33 | 07/21/15 | Tuesday | 15:48 | 0 | 0 | 1-None | \$2,500 | Side | e-Swipe | Long | No | Day | Dry | Careless | Driving |
| 34 | 08/04/15 | Tuesday | 21:09 | 0 | 1 | 3-Non-Incapacitating | \$100 | Peo | lestrian | Long | Yes | Night | Dry | Ped-FT | YROW |
| 35 | 08/05/15 | Wednesday | 12:24 | 0 | 0 | 1-None | \$0 | Re | ar-End | Short | No | Day | Dry | | Foo Closely |
| 36 | 08/17/15 | Monday | 9:55 | 0 | 2 | 2-Possible | \$3,500 | | ht-Turn | Long | No | Day | Dry | FTY | |
| 37 | 10/06/15 | Tuesday | 17:09 | 0 | 0 | 1-None | \$6,000 | | ft-Turn | Long | No | Day | Dry | | ROW |
| 38 | 10/21/15 | Wednesday | 16:14 | 0 | 0 | 1-None | \$7,000 | | ft-Turn | Long | Yes | Day | Dry | D | |
| 39 | 12/01/15 | Tuesday | 6:43 | 0 | 0 | 1-None | \$2,190 | | e-Swipe | Short | No | Day | Dry | | ane Change |
| 40 | 12/12/15 | Saturday | 16:20 | 0 | 0 | 1-None | \$0 | | ar-End | Short | No | Day | Dry | | Driving |
| 41 | 12/22/15 | Tuesday | 12:21 | 0 | 0 | 1-None | \$5,000 | | ollover | Long | No | Day | Dry | | Driving |
| 42 | 12/23/15 12/29/15 | Wednesday | 14:05 | 0 | 0 | 1-None | \$2,500 | | ar-End | Long | No | Day | Dry | | Foo Closely |
| 43 44 | 12/29/15 | Tuesday | 16:50 | 0 | 0 | 1-None | \$10,000 | | ar-End | Long | No | Day | Dry | | Гоо Closely Гоо Closely |
| 44 | 12/30/15 | Wednesday Wednesday | 15:26 17:15 | 0 | 0 | 1-None 1-None | \$14,000 \$1,000 | | ar-End ar-End | Long | No No | Day | Dry | | Driving |
| 45 | 12/30/15 | Wednesday | 17:15 | 0 | 3 | 2-Possible | \$1,000 \$6,000 | | ar-End ft-Turn | Short | No | Day Day | Dry | | ROW |
| 40 | 12/30/13 | weatestay | 10:29 | 0 | 3 | 2-r OSSIDIE | \$0,000 | Le | n-1u11 | Long | 110 | Day | Dry | FIY. | NO W |
| TOTAL | | - | | 2 | 21 | | \$233,690 | - | | - | | - | | - | |
| TOTAL | | Injury Seve | erity | - | | | | | | | | | | | |
| NO. | Property D | amage Only | Injury | Fatality | Angle | Fixed-Object | Left-Turn Right-Turn Pedestrian Rollover Rear-End Side-Swipe | | Bicycle | | | | | | |
| 46 | 3 | • • | 12 | 1 | 4 | 2 | 5 | 1 | 1 | 1 | 23 | 8 | 1 0 | | 0 |
| Percent | | !% | 26% | 2% | 9% | 4% | 11% | 2% | 2% | 2% | 50% | 17% | 2% | 0% | 0% |
| CONTRIB- | | of Day | | nt Cond. | | Following Too | Improper | Improper | Disregarded | Bike- | | Ped- | Ran Red | Careless | |
| CAUSE | Day | Night | Dry | Wet | DUI | Closely | Lane Change | Passing | Traffic Control | FTYROW | FTYROW | FTYROW | Light | Driving | Mechanical |
| Total | 35 | 11 | 42 | 4 | 3 | 8 | 3 | 1 | 1 | 1 | 8 | 1 | 2 | 17 | 1 |
| Percent | 76% | 24% | 91% | 9% | 7% | 17% | 7% | 2% | 2% | 2% | 17% | 2% | 4% | 37% | 2% |
| | | | | | | | | | | | | | | | |



MATCHLINE A

MATCHLINE B



MATCHLINE C

| | FLORIDA DEPARTMENT OF TRANSPORTATION | | | | | | | | | | | | | | |
|--------------|--------------------------------------|-----------|----------|---------|--------|----------------------|--------------------|------------------|-------|--------------|----------------|-----------|--------------------------------|--|--|
| | | | | | | COLI | LISION | SUMMA | RY | | | | | | |
| Section: | 12040 | | | | | State Road: | 867 | | | County: | Lee | | | | |
| Intersecting | g route: | Cypress L | .ake / C | Colby D | rive | Milepost: | 2.671 - 3.69 | 5 | | Data by: TSH | | | | | |
| Study perio | d: | 1/1/2016 | to | 12/31/2 | | · · | | | | Date: | 1/16/202 | 0 | | | |
| NO. | DATE | DAY | TIME | FATAL | INJURY | INJURY SEVERITY | PROPERTY DAMAGE | HARMFUL EVENT | FORM | DUI | DAY / NIGHT | WET / DRY | CONTRIBUTING CAUSE | | |
| 1 | 01/08/16 | Friday | 6:45 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Night | Wet | Too Fast for Conditions | | |
| 2 | 01/09/16 | Saturday | 18:21 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Night | Wet | Following Too Closely | | |
| 3 | 01/18/16 | Monday | 16:14 | 0 | 2 | 2-Possible | \$10,000 | Angle | Long | No | Day | Dry | Improper Turn | | |
| 4 | 01/21/16 | Thursday | 19:00 | 0 | 0 | 1-None | \$2,600 | Rear-End | Long | No | Night | Dry | Careless Driving | | |
| 5 | 01/30/16 | Saturday | 14:50 | 0 | 2 | 3-Non-Incapacitating | \$6,000 | Left-Turn | Long | No | Day | Dry | Ran Red Light | | |
| 6 | 02/02/16 | Tuesday | 10:05 | 0 | 0 | 1-None | \$0 | Left-Turn | Short | No | Day | Dry | Ran Red Light | | |
| 7 | 02/12/16 | Friday | 16:39 | 0 | 0 | 1-None | \$10,000 | Rear-End | Long | No | Day | Dry | Careless Driving | | |
| 8 | 02/16/16 | Tuesday | 5:45 | 0 | 3 | 2-Possible | \$22,500 | Left-Turn | Long | No | Night | Wet | Ran Red Light | | |
| 9 | 02/20/16 | Saturday | 12:55 | 0 | 0 | 1-None | \$2,000 | Side-Swipe | Short | No | Day | Dry | Improper Lane Change | | |
| 10 | 02/23/16 | Tuesday | 17:26 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving | | |
| 10 | 03/08/16 | Tuesday | 11:00 | 0 | 0 | 1-None | \$4,000 | Side-Swipe | Long | No | Day | Dry | Careless Driving | | |
| 12 | 03/08/16 | Tuesday | 14:30 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving | | |
| 12 | 03/11/16 | Friday | 15:19 | 0 | 0 | 1-None | \$11,000 | Rear-End | Long | No | Day | Dry | Following Too Closely | | |
| 13 | 03/14/16 | Monday | 19:10 | 0 | 1 | 2-Possible | \$1,000 | Angle | Long | No | Day | Dry | FTYROW | | |
| 15 | 03/14/10 | Friday | 21:55 | 0 | 0 | 1-None | \$2,000 | Rear-End | Short | No | Night | Dry | Careless Driving | | |
| 15 | 04/02/16 | Saturday | 23:00 | 0 | 0 | 1-None | \$7,000 | | | No | U U | Wet | ÿ | | |
| | | | | | | | | Rear-End | Long | | Night | | Careless Driving | | |
| 17 | 04/22/16 | Friday | 22:15 | 0 | 1 | 2-Possible | \$1,700 | Rear-End | Long | No | Night | Dry | Following Too Closely | | |
| 18 | 05/01/16 | Sunday | 12:36 | 0 | 2 | 3-Non-Incapacitating | \$11,800 | Head-On | Long | No | Day | Dry | Careless Driving | | |
| 19 | 05/02/16 | Monday | 6:55 | 0 | 0 | 1-None | \$4,800 | Rear-End | Short | No | Day | Dry | Careless Driving | | |
| 20 | 05/09/16 | Monday | 8:34 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Following Too Closely | | |
| 21 | 06/12/16 | Sunday | 15:38 | 0 | 0 | 1-None | \$10,000 | Left-Turn | Long | No | Day | Dry | Ran Red Light | | |
| 22 | 06/15/16 | Wednesday | 16:21 | 0 | 0 | 1-None | \$1,000 | Rear-End | Short | No | Day | Dry | Careless Driving | | |
| 23 | 06/17/16 | Friday | 14:17 | 0 | 0 | 1-None | \$2,000 | Rear-End | Long | No | Day | Wet | Following Too Closely | | |
| 24 | 06/17/16 | Friday | 14:17 | 0 | 0 | 1-None | \$4,000 | Rear-End | Long | No | Day | Wet | Following Too Closely | | |
| 25 | 06/28/16 | Tuesday | 17:40 | 0 | 0 | 1-None | \$2,000 | Rear-End | Long | No | Day | Dry | Following Too Closely | | |
| 26 | 06/28/16 | Tuesday | 19:00 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Night | Dry | Careless Driving | | |
| 27 | 07/11/16 | Monday | 16:18 | 0 | 1 | 2-Possible | \$10,000 | Side-Swipe | Long | No | Day | Dry | Improper Turn | | |
| 28 | 07/14/16 | Thursday | 15:00 | 0 | 2 | 3-Non-Incapacitating | \$9,000 | Left-Turn | Long | No | Day | Dry | Ran Red Light | | |
| 29 | 07/16/16 | Saturday | 21:03 | 0 | 0 | 1-None | \$0 | Left-Turn | Short | No | Night | Wet | Ran Red Light | | |
| 30 | 08/03/16 | Wednesday | 10:11 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Failed to Maintain Single Lane | | |
| 31 | 08/04/16 | Thursday | 8:43 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Following Too Closely | | |
| 32 | 08/04/16 | Thursday | 16:36 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Following Too Closely | | |
| 33 | 08/06/16 | Saturday | 13:56 | 0 | 0 | 1-None | \$0 | Side-Swipe | Short | No | Day | Dry | Careless Driving | | |
| 34 | 08/18/16 | Thursday | 12:10 | 0 | 2 | 2-Possible | \$11,000 | Left-Turn | Long | No | Day | Dry | FTYROW | | |
| 35 | 08/30/16 | Tuesday | 5:17 | 0 | 1 | 2-Possible | \$6,000 | Angle | Long | No | Night | Dry | Ran Red Light | | |
| 36 | 09/12/16 | Monday | 15:24 | 0 | 0 | 1-None | \$2,000 | Rear-End | Long | No | Day | Dry | Careless Driving | | |
| 37 | 09/28/16 | Wednesday | 16:59 | 0 | 0 | 1-None | \$2,000 | Side-Swipe | Short | No | Day | Dry | Improper Lane Change | | |
| 38 | 10/03/16 | Monday | 9:00 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving | | |
| 39 | 10/07/16 | Friday | 14:17 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving | | |
| 40 | 10/11/16 | Tuesday | 16:20 | 0 | 0 | 1-None | \$0 | Side-Swipe | Short | No | Day | Dry | Improper Lane Change | | |
| 41 | 10/12/16 | Wednesday | 19:50 | 0 | 1 | 2-Possible | \$19,000 | Side-Swipe | Long | Yes | Night | Wet | DUI | | |
| 42 | 10/16/16 | Sunday | 9:27 | 0 | 0 | 1-None | \$10,000 | Rear-End | Long | No | Day | Dry | Careless Driving | | |
| 43 | 10/18/16 | Tuesday | 15:15 | 0 | 0 | 1-None | \$2,700 | Rear-End | Long | No | Day | Dry | Following Too Closely | | |
| 44 | 11/03/16 | Thursday | 19:57 | 0 | 0 | 1-None | \$5,000 | Left-Turn | Long | No | Night | Dry | FTYROW | | |
| 45 | 11/12/16 | Saturday | 19:07 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving | | |
| 45 | 11/12/16 | Sunday | 16:17 | 0 | 0 | 1-None | \$3,000 | Angle | Short | No | Day | Dry | Ran Red Light | | |
| 40 | 11/20/16 | Thursday | 18:00 | 0 | 0 | 1-None | \$7,000 | Left-Turn | Long | No | Night | Dry | FTYROW | | |
| 47 | | Monday | | 0 | 0 | | \$7,000 | | | No | | | FTYROW | | |
| 40 | 11/28/16 | wonday | 17:41 | 0 | 0 | 1-None | φU | Left-Turn | Short | INO | Day | Wet | TTKOW | | |

| | | | | | | COL | LISION | SUMMA | RY | | | | | |
|--------------|------------|------------------|----------|----------|--------|--------------------|--------------------|------------------|-------------|----------|----------------|-----------|-----------|------------|
| Section: | 12040 | | | | | State Road: | 867 | | | County: | Lee | | | |
| Intersecting | g route: | Cypress L | .ake / C | Colby Di | rive | Milepost: | 2.671 - 3.695 | 5 | | Data by: | TSH | | | |
| Study perio | od: | 1/1/2016 | to | 12/31/2 | 016 | | | | | Date: | 1/16/202 | 0 | | |
| NO. | DATE | DAY | TIME | FATAL | INJURY | INJURY SEVERITY | PROPERTY DAMAGE | HARMFUL EVENT | FORM | DUI | DAY / NIGHT | WET / DRY | CONTRIBUT | TING CAUSE |
| 49 | 12/16/16 | Friday | 16:39 | 0 | 3 | 2-Possible | \$6,000 | Rear-End | Long | No | Day | Dry | Careless | Driving |
| 50 | 12/27/16 | Tuesday | 17:04 | 0 | 0 | 1-None | \$0 | Rear-End | Long | No | Day | Dry | Careless | Driving |
| | | | | | | | | | | | | | | |
| TOTAL | | | | 0 | 21 | | \$208,100 | | | | | | | |
| TOTAL | | Injury Sev | erity | | Amolo | Head-On | Left-Turn | Rear-End | Side-Swipe | | | | | |
| NO. | Property D | amage Only | Injury | Fatality | Angle | Head-On | Len-Turn | Rear-End | side-swipe | | | | | |
| 50 | 3 | 8 | 12 | 0 | 4 | 1 | 10 | 28 | 7 | 0 | 0 | 0 | 0 | 0 |
| Percent | 76 | 5% | 24% | 0% | 8% | 2% | 20% | 56% | 14% | 0% | 0% | 0% | 0% | 0% |
| CONTRIB- | Time | of Day | Paveme | nt Cond. | DUI | Failed to Maintain | Following Too | Too Fast For | Improper | Ran Red | FTYROW | Improper | Careless | |
| CAUSE | Day | Night | Dry | Wet | DUI | Single Lane | Closely | Conditions | Lane Change | Light | FIIKOW | Turn | Driving | |
| Total | 37 | 13 | 41 | 9 | 1 | 1 | 10 | 1 | 3 | 8 | 5 | 2 | 19 | 0 |
| Percent | 74% | 26% | 82% | 18% | 2% | 2% | 20% | 2% | 6% | 16% | 10% | 4% | 38% | 0% |



MATCHLINE

Ш MATCHLINE



MATCHLINE C

| | FLORIDA DEPARTMENT OF TRANSPORTATION | | | | | | | | | | | | |
|-------------|--------------------------------------|--------------------|----------|---------|--------|----------------------|--------------------|------------------|-------|----------|----------------|--------------|-----------------------|
| | | | | | | COLLI | SION | SUMMAI | RY | | | | |
| Section: | 12040 | | | | | State Road: | 867 | | | County: | Lee | | |
| Intersectin | g route: | Cypress I | Lake / C | Colby D | rive | Milepost: | 2.671 - 3.69 | 5 | | Data by: | SEN | | |
| Study perio | od: | 1/1/2017 | to | 12/31/2 | 2017 | _ | | | | Date: | 1/17/20 | 20 | |
| NO. | DATE | DAY | TIME | FATAL | INJURY | INJURY SEVERITY | PROPERTY DAMAGE | HARMFUL EVENT | FORM | DUI | DAY / NIGHT | WET / DRY | CONTRIBUTING CAUSE |
| 1 | 01/11/17 | Wednesday | 0:12 | 0 | 0 | 1-None | \$10,000 | Fixed-Object | Long | Yes | Night | Dry | Lost Control |
| 2 | 01/12/17 | Thursday | 13:25 | 0 | 0 | 1-None | \$6,000 | Left-Turn | Long | No | Day | Dry | FTYROW |
| 3 | 01/13/17 | Friday | 9:21 | 0 | 0 | 1-None | \$1,200 | Rear-End | Long | No | Day | Wet | Following Too Closely |
| 4 | 01/18/17 | Wednesday | 15:50 | 0 | 0 | 1-None | \$2,100 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 5 | 01/19/17 | Thursday | 18:22 | 0 | 0 | 1-None | \$3,000 | Left-Turn | Long | No | Day | Dry | FTYROW |
| 6 | 01/27/17 | Friday | 14:25 | 0 | 0 | 1-None | \$1,000 | Backed-Into | Long | No | Day | Dry | Improper Backing |
| 7 | 02/01/17 | Wednesday | 11:59 | 0 | 0 | 1-None | \$3,000 | Side-Swipe | Long | No | Day | Dry | Careless Driving |
| 8 | 02/11/17 | Saturday | 19:15 | 0 | 0 | 1-None | \$2,000 | Angle | Long | Yes | Night | Dry | DUI |
| 9 | 02/11/17 | Saturday | 20:13 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Night | Dry | Following Too Closely |
| 10 | 02/14/17 | Tuesday | 18:08 | 0 | 1 | 2-Possible | \$3,200 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 11 | 02/17/17 | Friday | 15:23 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 12 | 02/20/17 | Monday | 14:23 | 0 | 0 | 1-None | \$1,000 | Side-Swipe | Short | No | Day | Dry | Improper Lane Change |
| 13 | 03/06/17 | Monday | 6:22 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Night | Dry | Careless Driving |
| 14 | 03/10/17 | Friday | 19:50 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 15 | 04/10/17 | Monday | 16:08 | 0 | 1 | 2-Possible | \$12,300 | Left-Turn | Long | No | Day | Dry | FTYROW |
| 16 | 04/16/17 | Sunday | 20:59 | 0 | 0 | 1-None | \$2,800 | Rear-End | Long | Yes | Night | Dry | Careless Driving |
| 10 | 04/17/17 | Monday | 16:43 | 0 | 0 | 1-None | \$6,300 | Rear-End | Long | No | Day | Wet | Careless Driving |
| 18 | 04/18/17 | Tuesday | 5:50 | 0 | 0 | 1-None | \$1,250 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 18 | 04/19/17 | Wednesday | 11:18 | 0 | 0 | 1-None | \$3,000 | Rear-End | Long | No | Day | Dry | Following Too Closely |
| 20 | 04/19/17 | - | 21:15 | 0 | 0 | 1-None | \$3,000 | Rear-End | Short | No | Day | | |
| 20 | 04/21/17 | Friday Saturday | 21:13 | 0 | 0 | 1-None | \$2,000 | Rear-End | | No | - | Dry | Following Too Closely |
| | | | | 0 | 0 | | | | Long | 1 | Night | Dry | Careless Driving |
| 22 | 04/24/17 | Monday | 14:57 | - | - | 1-None | \$2,000 | Side-Swipe | Long | No | Day | Dry | Improper Lane Change |
| 23 | 04/27/17 | Thursday | 21:43 | 0 | 2 | 3-Non-Incapacitating | \$9,000 | Rear-End | Long | No | Night | Dry | Careless Driving |
| 24 | 05/03/17 | Wednesday | 21:50 | 0 | 0 | 1-None | \$2,500 | Rear-End | Short | No | Night | Dry | Careless Driving |
| 25 | 05/04/17 | Thursday | 12:19 | 0 | 0 | 1-None | \$6,200 | Left-Turn | Long | No | Day | Dry | Ran Red Light |
| 26 | 05/17/17 | Wednesday | 8:59 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Following Too Closely |
| 27 | 05/23/17 | Tuesday | 14:23 | 0 | 0 | 1-None | \$500 | Side-Swipe | Short | No | Day | Dry | Improper Lane Change |
| 28 | 05/24/17 | Wednesday | 14:40 | 0 | 2 | 2-Possible | \$2,000 | Left-Turn | Long | Yes | Day | Dry | FTYROW |
| 29 | 05/25/17 | Thursday | 13:46 | 0 | 0 | 1-None | \$500 | Side-Swipe | Long | No | Day | Dry | Careless Driving |
| 30 | 05/26/17 | Friday | 9:12 | 0 | 0 | 1-None | \$1,800 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 31 | 05/30/17 | Tuesday | 8:58 | 0 | 0 | 1-None | \$500 | Side-Swipe | Short | No | Day | Dry | Improper Lane Change |
| 32 | 07/07/17 | Friday | 15:30 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 33 | 07/17/17 | Monday | 17:30 | 0 | 0 | 1-None | \$6,000 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 34 | 07/17/17 | Monday | 21:45 | 0 | 0 | 1-None | \$2,000 | Backed-Into | Long | No | Night | Dry | Improper Backing |
| 35 | 07/24/17 | Monday | 16:10 | 0 | 2 | 2-Possible | \$5,000 | Left-Turn | Long | No | Day | Dry | FTYROW |
| 36 | 07/25/17 | Tuesday | 15:43 | 0 | 0 | 1-None | \$6,000 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 37 | 07/25/17 | Tuesday | 16:06 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 38 | 08/04/17 | Friday | 11:49 | 0 | 0 | 1-None | \$20,000 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 39 | 08/04/17 | Friday | 12:15 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 40 | 08/11/17 | Friday | 12:57 | 0 | 0 | 1-None | \$5,000 | Fixed-Object | Long | No | Day | Dry | Careless Driving |
| 41 | 08/12/17 | Saturday | 19:03 | 0 | 0 | 1-None | \$7,000 | Left-Turn | Long | No | Day | Dry | Ran Red Light |
| 42 | 08/14/17 | Monday | 19:07 | 0 | 1 | 2-Possible | \$7,500 | Rear-End | Long | No | Day | Wet | Careless Driving |
| 43 | 08/20/17 | Sunday | 12:50 | 0 | 0 | 1-None | \$10,000 | Left-Turn | Long | No | Day | Dry | FTYROW |
| 44 | 08/25/17 | Friday | 8:22 | 0 | 0 | 1-None | \$0 | Rear-End | Long | No | Day | Wet | Careless Driving |
| 45 | 08/30/17 | Wednesday | 20:25 | 0 | 0 | 1-None | \$4,000 | Rear-End | Short | No | Night | Dry | Careless Driving |
| 46 | 09/25/17 | Monday | 13:06 | 0 | 0 | 1-None | \$1,000 | Side-Swipe | Short | No | Day | Dry | Improper Lane Change |
| 47 | 09/25/17 | Monday | 15:35 | 0 | 1 | 4-Incapacitating | \$15,000 | Left-Turn | Long | No | Day | Dry | FTYROW |
| 48 | 10/02/17 | Monday | 11:19 | 0 | 0 | 1-None | \$6,000 | Angle | Long | No | Day | Dry | Ran Red Light |
| 49 | 10/03/17 | Tuesday | 6:38 | 0 | 2 | 2-Possible | \$13,000 | Left-Turn | Long | No | Day | Dry | Ran Red Light |

| | COLLISION SUMMARY | | | | | | | | | | | | | |
|--------------|-------------------|--------------------------|-----------------|----------|----------|--------------------|--------------------|------------------|--------------|----------|----------------|--------------|-----------|-------------|
| Section: | 12040 | | | | | State Road: | 867 | | | County: | Lee | | | |
| Intersectin | g route: | Cypress l | Lake / C | Colby D | rive | Milepost: | 2.671 - 3.695 | 5 | | Data by: | SEN | | | |
| Study perio | od: | 1/1/2017 | to | 12/31/2 | 017 | | | | | Date: | 1/17/20 | 020 | | |
| NO. | DATE | DAY | TIME | FATAL | INJURY | INJURY SEVERITY | PROPERTY DAMAGE | HARMFUL EVENT | FORM | DUI | DAY / NIGHT | WET / DRY | CONTRIBUT | ΓING CAUSE |
| 50 | 10/25/17 | Wednesday | 13:40 | 0 | 0 | 1-None | \$750 | Side-Swipe | Short | No | Day | Dry | Careless | s Driving |
| 51 | 11/03/17 | Friday | 19:18 | 0 | 1 | 2-Possible | \$12,000 | Rear-End | Long | No | Day | Dry | Careless | s Driving |
| 52 | 11/07/17 | Tuesday | 14:11 | 0 | 0 | 1-None | \$5,200 | Side-Swipe | Long | No | Day | Dry | Careless | s Driving |
| 53 | 11/21/17 | Tuesday | 16:56 | 0 | 0 | 1-None | \$15,000 | Rear-End | Long | No | Day | Dry | Careless | s Driving |
| 54 | 11/22/17 | Wednesday | 14:58 | 0 | 0 | 1-None | \$16,000 | Rear-End | Long | No | Day | Dry | Following | Too Closely |
| 55 | 12/04/17 | Monday | 21:46 | 0 | 0 | 1-None | \$1,500 | Rear-End | Short | No | Night | Dry | Careless | s Driving |
| 56 | 12/14/17 | Thursday | 16:41 | 0 | 0 | 1-None | \$5,000 | Rear-End | Short | No | Day | Dry | Careless | s Driving |
| 57 | 12/15/17 | Friday | 21:05 | 0 | 1 | 2-Possible | \$1,100 | Side-Swipe | Long | No | Night | Dry | Careless | s Driving |
| 58 | 12/18/17 | Monday | 17:09 | 0 | 0 | 1-None | \$1,500 | Rear-End | Short | No | Day | Dry | Careless | s Driving |
| 59 | 12/26/17 | Tuesday | 9:20 | 0 | 0 | 1-None | \$15,000 | Rear-End | Long | No | Day | Dry | Careless | s Driving |
| | | | | | | | | | | | | | | |
| TOTAL | | | | 0 | 14 | | \$265,700 | | | | | | | |
| TOTAL NO. | Property D | Injury Sev amage Only | erity Injury | Fatality | Angle | Side-Swipe | Backed-Into | Left-Turn | Fixed-Object | Rear-End | | | | |
| 59 | | .9 | 10 | 0 | 2 | 10 | 2 | 10 | 2 | 33 | 0 | 0 | 0 | 0 |
| Percent | - | 3% | 17% | 0% | 3% | 17% | 3% | 17% | 3% | 56% | 0% | 0% | 0% | 0% |
| CONTRIB | | | Pavement Cond. | | Careless | Improper Lane | Following | Improper | Ran Red | Lost | | | 070 | 070 |
| CAUSE | Day | Night | Dry | Wet | Driving | Change | Too Closely | Backing | Light | Control | DUI | FTYROW | | |
| Total | 47 | 12 | 55 | 4 | 33 | 5 | 6 | 2 | 4 | 1 | 1 | 7 | 0 | 0 |
| Percent | 80% | 20% | 93% | 7% | 56% | 8% | 10% | 3% | 7% | 2% | 2% | 12% | 0% | 0% |



MATCHLINE A

MATCHLINE B



| | FLORIDA DEPARTMENT OF TRANSPORTATION | | | | | | | | | | | | |
|-------------|--------------------------------------|-------------------|----------------|---------|--------|----------------------|--------------------|---------------------|-------|----------|----------------|--------------|--------------------------------------|
| | | | | | | COLLI | SION | SUMMA | R Y | | | | |
| Section: | 12040 |) | | | | State Road: | 867 | | | County: | Lee | | |
| Intersectin | g route: | Cypress I | Lake / G | Colby D | rive | Milepost: | 2.671 - 3.69 | 5 | | Data by: | TSH | | |
| Study peri | od: | 1/1/2018 | to | 12/31/2 | 2018 | | | | | Date: | 1/20/20 | 19 | |
| NO. | DATE | DAY | TIME | FATAL | INJURY | INJURY SEVERITY | PROPERTY DAMAGE | HARMFUL EVENT | FORM | DUI | DAY / NIGHT | WET / DRY | CONTRIBUTING CAUSE |
| 1 | 01/03/18 | Wednesday | 15:14 | 0 | 0 | 1-None | \$4,500 | Angle | Long | No | Day | Dry | FTYROW |
| 2 | 01/16/18 | Tuesday | 14:47 | 0 | 0 | 1-None | \$5,000 | Rear-End | Short | No | Day | Dry | Careless Driving |
| 3 | 02/01/18 | Thursday | 6:50 | 0 | 0 | 1-None | \$2,500 | Side-Swipe | Short | No | Day | Dry | Improper Lane Change |
| 4 | 02/01/18 | Thursday | 17:38 | 0 | 1 | 3-Non-Incapacitating | \$7,000 | Left-Turn | Long | No | Day | Dry | FTYROW |
| 5 | 02/09/18 | Friday | 12:28 | 0 | 0 | 1-None | \$6,000 | Rear-End | Long | Yes | Day | Dry | Careless Driving |
| 6 | 02/12/18 | Monday | 11:10 | 0 | 0 | 1-None | \$10,000 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 7 | 02/22/18 | Thursday | 15:07 | 0 | 0 | 1-None | \$500 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 8 | 02/26/18 | Monday | 15:25 | 0 | 0 | 1-None | \$3,000 | Left-Turn | Short | No | Day | Dry | FTYROW |
| 9 | 03/01/18 | Thursday | 16:00 | 0 | 0 | 1-None | \$800 | Rear-End | Short | No | Day | Dry | Following Too Closely |
| 10 | 03/11/18 | Sunday | 3:50 | 0 | 0 | 1-None | \$10,000 | Fixed-Object | Long | No | Night | Wet | Lost Control |
| 11 | 03/13/18 | Tuesday | 21:57 | 0 | 0 | 1-None | \$1,000 | Left-Turn | Short | No | Night | Dry | FTYROW |
| 12 | 03/14/18 | Wednesday | 18:00 | 0 | 0 | 1-None | \$10,000 | Right-Turn | Short | No | Day | Dry | FTYROW |
| 13 | 03/16/18 | Friday | 15:21 | 0 | 0 | 1-None | \$12,000 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 14 | 03/16/18 | Friday | 15:38 | 0 | 0 | 1-None | \$2,500 | Rear-End | Long | No | Day | Dry | Following Too Closely |
| 15 | 03/19/18 | Monday | 14:30 | 0 | 1 | 2-Possible | \$6,500 | Right-Turn | Long | No | Day | Dry | FTYROW |
| 16 | 03/19/18 | Monday | 14:49 | 0 | 0 | 1-None | \$8,000 | Right-Turn | Long | No | Day | Dry | FTYROW |
| 17 | 03/24/18 | Saturday | 6:22 | 1 | 1 | 5-Fatal | \$7,000 | Left-Turn | Long | No | Night | Dry | FTYROW |
| 18 | 03/27/18 | Tuesday | 17:30 | 0 | 1 | 2-Possible | \$500 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 19 | 03/28/18 | Wednesday | 10:25 | 0 | 0 | 1-None | \$1,000 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 20 | 04/14/18 | Saturday | 11:03 | 0 | 0 | 1-None | \$14,000 | Rear-End | Long | No | Day | Dry | Following Too Closely |
| 21 | 04/14/18 | Saturday | 17:54 | 0 | 0 | 1-None | \$1,500 | Angle | Short | No | Day | Dry | Failed to Maintain Single La |
| 22 | 04/21/18 | Saturday | 14:10 | 0 | 0 | 1-None | \$2,000 | Side-Swipe | Short | No | Day | Dry | Improper Lane Change |
| 23 | 04/23/18 | Monday | 8:42 | 0 | 3 | 3-Non-Incapacitating | \$34,000 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 24 | 04/25/18 | Wednesday | 12:53 | 0 | 0 | 1-None | \$1,600 | Side-Swipe | Short | No | Day | Dry | Improper Lane Change |
| 25 | 04/29/18 | Sunday | 13:51 | 0 | 0 | 1-None | \$4,000 | Side-Swipe | Short | No | Day | Dry | Failed to Maintain Single Lar |
| 26 | 05/01/18 | Tuesday | 15:37 | 0 | 0 | 1-None | \$1,700 | Rear-End | Short | No | Day | Dry | Following Too Closely |
| 20 | 05/08/18 | Tuesday | 10:57 | 0 | 0 | 1-None | \$6,000 | Rear-End | Long | No | Day | Dry | Following Too Closely |
| 28 | 05/08/18 | Tuesday | 13:25 | 0 | 1 | 2-Possible | \$8,000 | Rear-End | Long | No | Day | Dry | Following Too Closely |
| 28 | 05/17/18 | Thursday | 7:15 | 0 | 0 | 1-None | \$5,000 | Rear-End | Short | No | Day | Dry | Following Too Closely |
| 30 | 05/22/18 | Tuesday | 17:15 | 0 | | 3-Non-Incapacitating | - | Left-Turn | Long | No | Day | Dry | FTYROW |
| 31 | 06/01/18 | Friday | 18:55 | 0 | 0 | 1-None | \$4,000 | Rear-End | Short | No | Day | Wet | Following Too Closely |
| 31 | 06/05/18 | | | 0 | 3 | | \$2,000 | | | | - | | · · · · |
| | | Tuesday | 17:25 | 0 | 0 | 2-Possible | | Rear-End | Long | No | Day | Dry | Careless Driving Careless Driving |
| 33 34 | 06/11/18 06/18/18 | Monday Monday | 14:25 10:30 | 0 | 3 | 1-None 2-Possible | \$3,000 | Rear-End | Short | No No | Day | Dry | |
| 34 | 06/21/18 | - | | 0 | 0 | | \$8,000 \$8,000 | Rear-End | Long | | Day | Dry | Careless Driving |
| | | Thursday | 11:02 | 0 | 1 | 1-None | \$8,000 | Angle | Long | No | Day | Dry | Ran Red Light |
| 36 37 | 06/22/18 06/29/18 | Friday | 14:21 10:05 | 0 | 1 | 4-Incapacitating | \$10,000 \$300 | Head-On Boar End | Long | No | Day | Dry | Careless Driving |
| 37 | 06/29/18 | Friday Tuesday | | 0 | 0 | 2-Possible | | Rear-End | Long | No | Day | Dry | Careless Driving |
| | | | 13:07 | | | 1-None | \$5,000 | Rear-End | Short | No | Day | Dry | Following Too Closely |
| 39 | 07/03/18 | Tuesday | 13:31 | 0 | 0 | 1-None | \$1,100 | Rear-End | Short | No | Day | Dry | Following Too Closely |
| 40 | 07/19/18 | Thursday | 16:08 | 0 | 0 | 1-None | \$3,500 | Rear-End | Short | No | Day | Dry | Following Too Closely |
| 41 | 07/20/18 | Friday | 11:37 | 0 | 0 | 1-None | \$1,000 | Rear-End | Short | No | Day | Dry | Following Too Closely |
| 42 | 07/31/18 | Tuesday | 11:27 | 0 | 0 | 1-None | \$1,500 | Right-Turn | Short | No | Day | Dry | FTYROW |
| 43 | 08/03/18 | Friday | 9:15 | 0 | 0 | 1-None | \$2,000 | Side-Swipe | Short | No | Day | Dry | Failed to Maintain Single La |
| 44 | 08/16/18 | Thursday | 8:40 | 0 | 0 | 1-None | \$400 | Side-Swipe | Short | No | Day | Dry | Careless Driving |
| 45 | 08/17/18 | Friday | 13:57 | 0 | 0 | 1-None | \$10,000 | Left-Turn | Long | No | Day | Wet | FTYROW |
| 46 | 08/22/18 | Wednesday | 17:57 | 0 | 0 | 1-None | \$2,501 | Rear-End | Long | No | Day | Dry | Careless Driving |
| 47 | 09/21/18 | Friday | 6:44 | 0 | 0 | 1-None | \$2,000 | Side-Swipe | Short | No | Night | Dry | Careless Driving |
| 48 | 10/31/18 | Wednesday | 20:54 | 0 | 1 | 3-Non-Incapacitating | \$7,000 | Fixed-Object | Long | Yes | Night | Dry | DUI |
| 49 | 11/06/18 | Tuesday | 18:13 | 0 | 0 | 1-None | \$2,500 | Left-Turn | Short | No | Night | Dry | FTYROW |

| | COLLISION SUMMARY | | | | | | | | | | | | | |
|-------------|-------------------|------------|-----------------|----------|--------|------------------------|--------------------|-------------------|----------|----------|----------------|--------------|-----------|-------------|
| Section: | 12040 | | | | | State Road: | 867 | | | County: | Lee | | | |
| Intersectin | g route: | Cypress I | Lake / C | Colby D | rive | Milepost: | 2.671 - 3.695 | 5 | | Data by: | TSH | | | |
| Study perio | od: | 1/1/2018 | to | 12/31/2 | 018 | | | | | Date: | 1/20/20 | 19 | | |
| NO. | DATE | DAY | TIME | FATAL | INJURY | INJURY SEVERITY | PROPERTY DAMAGE | HARMFUL EVENT | FORM | DUI | DAY / NIGHT | WET / DRY | CONTRIBUT | ΓING CAUSE |
| 50 | 11/08/18 | Thursday | 19:26 | 0 | 0 | 1-None | \$0 | Rear-End | Short | No | Night | Dry | Following | Too Closely |
| 51 | 11/14/18 | Wednesday | 6:00 | 0 | 0 | 1-None | \$1,500 | Right-Turn | Short | No | Night | Dry | FTY | ROW |
| 52 | 11/14/18 | Wednesday | 10:30 | 0 | 0 | 1-None | \$1,700 | Rear-End | Long | No | Day | Dry | Following | Too Closely |
| 53 | 11/14/18 | Wednesday | 12:37 | 0 | 0 | 1-None | \$5,000 | Rear-End | Short | No | Day | Dry | Careless | s Driving |
| 54 | 11/15/18 | Thursday | 17:20 | 0 | 0 | 1-None | \$1,000 | Rear-End | Short | No | Day | Dry | Careless | s Driving |
| 55 | 12/05/18 | Wednesday | 10:40 | 0 | 0 | 1-None | \$4,500 | Rear-End | Long | No | Day | Dry | Following | Too Closely |
| 56 | 12/20/18 | Thursday | 18:35 | 0 | 1 | 2-Possible | \$2,500 | Side-Swipe | Long | No | Day | Wet | Improp | ber Turn |
| | | | | | | | | | | | | | | |
| TOTAL | | | | 1 | 24 | | \$275,601 | | | | | | | |
| TOTAL | | Injury Sev | Injury Severity | | Angle | ngle Fixed-Object Head | | Head-On Left-Turn | Rear-End | Right- | Side- | | | |
| NO. | Property D | amage Only | Injury | Fatality | Tingle | Tixed-00jeet | field-off | Lett-1 uni | Real-End | Turn | Swipe | | | |
| 56 | 4 | 3 | 12 | 1 | 3 | 2 | 1 | 7 | 30 | 5 | 8 | 0 | 0 | 0 |
| Percent | 77 | 7% | 21% | 2% | 5% | 4% | 2% | 13% | 54% | 9% | 14% | 0% | 0% | 0% |
| CONTRIB | | | Paveme | | DUI | Failed to Maintain | Following | Improper | Improper | Ran Red | Lost | FTYROW | Careless | |
| CAUSE | Day | Night | Dry | Wet | 201 | Single Lane | Too Closely | Lane Change | Turn | Light | Control | | Driving | |
| Total | 48 | 8 | 52 | 4 | 1 | 3 | 15 | 3 | 1 | 1 | 1 | 13 | 18 | 0 |
| Percent | 86% | 14% | 93% | 7% | 2% | 5% | 27% | 5% | 2% | 2% | 2% | 23% | 32% | 0% |



MATCHLINE A

MATCHLINE B



MATCHLINE C

APPENDIX C

TYPICAL SECTION AND IMPROVEMENT DIAGRAM



ACCESS CLASS: 6 CONTEXT CLASS: C3C M.P. 2.671-3.462 C3R M.P. 3.462-3.695

ACCESS CLASS: 6 CONTEXT CLASS: C3C M.P. 2.671-3.462 C3R M.P. 3.462-3.695

| PAGE |
|------|
| NO. |

TYPICAL SECTION SECTION 7 - 12040

Z:\2018 Projects\11145 (FD0T-1 Safety)\TW0 14 - Multiple Access Management Studies\Section 7 - 12040\CAD 12040\XREF\X-X-TYP SECT.dt



MATCHLINE A

MATCHLINE B



 \mathcal{O} MATCHLINE

 \cup MATCHLINE

APPENDIX D

CRASH MODIFICATON FACTORS



CMF / CRF Details

CMF ID: 3034

Install raised median

Description:

Prior Condition: no raised median

Category: Access management

Study: <u>Analyzing Raised Median Safety Impacts Using Bayesian Methods</u>, Schultz <u>et al., 2011</u>

| Star Quality Rating: | ★★★★★★★ [View score details] |
|----------------------|------------------------------|

| Crash Modification Factor (CMF) | | | | | | | |
|---------------------------------|------|--|--|--|--|--|--|
| Value: | 0.61 | | | | | | |
| Adjusted Standard Error: | | | | | | | |
| Unadjusted Standard Error: | | | | | | | |

| Crash Reduction Factor (CRF) | | | | | | | | |
|------------------------------|--|--|--|--|--|--|--|--|
| Value: | 39 (This value indicates a decrease in crashes) | | | | | | | |
| Adjusted Standard Error: | | | | | | | | |

| | Applicability | | | | | | |
|---------------------|--|--|--|--|--|--|--|
| Crash Type: | All | | | | | | |
| Crash Severity: | All | | | | | | |
| Roadway Types: | Not specified | | | | | | |
| Number of Lanes: | | | | | | | |
| Road Division Type: | Divided by Median | | | | | | |
| Speed Limit: | | | | | | | |
| Area Type: | | | | | | | |
| Traffic Volume: | 10000 to 55000 Average Daily Traffic (ADT) | | | | | | |
| Time of Day: | All | | | | | | |
| | | | | | | | |

If countermeasure is intersection-based

| Intersection Type: |
|----------------------------|
| Intersection Geometry: |
| Traffic Control: |
| Major Road Traffic Volume: |
| Minor Road Traffic Volume: |

| Development Details | | | | | | | |
|--------------------------|--------------|--|--|--|--|--|--|
| Date Range of Data Used: | 1998 to 2008 | | | | | | |
| Municipality: | | | | | | | |
| State: | UT | | | | | | |

| Country: | USA |
|---------------------------|--|
| Type of Methodology Used: | Before/after using empirical Bayes or full Bayes |
| Sample Size Used: | Site-years |
| Before Sample Size Used: | 32 Site-years |
| After Sample Size Used: | 28 Site-years |

| Other Details | | | | | |
|---------------------------------------|-------------|--|--|--|--|
| Included in Highway Safety Manual? | No | | | | |
| Date Added to Clearinghouse: | Jul-15-2011 | | | | |
| Comments: | | | | | |

This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

The information contained in the Crash Modification Factors (CMF) Clearinghouse is disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The U.S. Government assumes no liability for the use of the information contained in the CMF Clearinghouse. The information contained in the CMF Clearinghouse does not constitute a standard, specification, or regulation, nor is it a substitute for sound engineering judgment.

APPENDIX E

NET PRESENT VALUE

| | | NPV | 15,836,757 | | |
|--------------------|-------------|---------------------|------------|-----------|-----------|
| | | Discounted Benefits | 0 | 1,154,239 | 1,109,845 |
| Project Ends 2040 | | Discounted Cost | -477,188 | 0 | 0 |
| Discount Rate | 0.04 | Discount Factor | 1.000 | 0.962 | 0.925 |
| Project Category | | Calculation | | | |
| Project Life | 20 | Estimated Benefits | | 1,200,409 | 1,200,409 |
| Project Completion | 2021 | Estimated Cost | 477,188 | | |
| Current Year | 2020 | Calendar Year | 2020 | 2021 | 2022 |
| Project Name | S.R. 544 AM | Year # | 0 | 1 | 2 |

| 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
| | | | | | | | | |
| 1,200,409 | 1,200,409 | 1,200,409 | 1,200,409 | 1,200,409 | 1,200,409 | 1,200,409 | 1,200,409 | 1,200,409 |
| | | | | | | | | |
| 0.889 | 0.855 | 0.822 | 0.790 | 0.760 | 0.731 | 0.703 | 0.676 | 0.650 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,067,159 | 1,026,114 | 986,648 | 948,700 | 912,212 | 877,127 | 843,391 | 810,953 | 779,763 |

| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 |
| | | | | | | | | |
| 1,200,409 | 1,200,409 | 1,200,409 | 1,200,409 | 1,200,409 | 1,200,409 | 1,200,409 | 1,200,409 | 1,200,409 |
| | | | | | | | | |
| 0.625 | 0.601 | 0.577 | 0.555 | 0.534 | 0.513 | 0.494 | 0.475 | 0.456 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 749,772 | 720,934 | 693,206 | 666,544 | 640,908 | 616,258 | 592,555 | 569,765 | 547,851 |
| | | | | | | | | |