

Traffic Impact Statement

Wawa – Phase 1 Site Development Plan (SDP)

Collier County, FL 08/01/2016

Prepared for:

Waldrop Engineering, Inc. 28100 Bonita Grande Dr. Bonita Springs, FL 34135 Phone: 239.405.7777

Prepared by:

Trebilcock Consulting Solutions, PA 1205 Piper Boulevard, Suite 202 Naples, FL 34110

Phone: 239.566.9551

Email: ntrebilcock@trebilcock.biz

Statement of Certification

I certify that this Traffic Impact Statement has been prepared by me or under my immediate supervision and that I have experience and training in the field of Traffic and Transportation Engineering.



This item has been electronically signed and sealed by Norman J. Trebilcock, PE using a SHA-1 authentication code.

Printed copies of this document are not considered signed and sealed, and the *SHA-1* authentication code must be verified on any electronic copies.

Norman J. Trebilcock, AICP, P.E. FL Registration No. 47116 Trebilcock Consulting Solutions, PA 1205 Piper Boulevard, Suite 202 Naples, FL 34110 Company Cert. of Auth. No. 27796

Table of Contents

Project Description4
Trip Generation6
Trip Distribution and Assignment
Background Traffic
Existing and Future Roadway Network
Project Impacts to Area Roadway Network Link Analysis11
Site Access and Intersection Analysis
Improvement Analysis
Mitigation of Impact
<u>APPENDICES</u>
Appendix A: Project Master Site Plan
Appendix B: Initial Meeting Checklist (Methodology Meeting)
Appendix C: Trip Generation Calculations ITE 9th Edition
Appendix D: Turning Movements Exhibits
Appendix E: Intersection Turning Movements Counts
Appendix F: FDOT 2014 Peak Season Factor Category Report – Excerpt41
Appendix G: Intersection Signal EPAC Data
Appendix H: Intersection HCS Printouts
Annendiy I: Proposed Intersection Improvements 58

Project Description

The Wawa project is generally located in the southwest corner of US 41 (Tamiami Trail – SR 90) and Price Street intersection, in southeast Naples.

The subject site is currently vacant and is located in Section 4, Township 51S, Range 26E, Collier County, Florida.

Refer to Fig. 1 – Project Location Map, which follows, and Appendix A: Project Master Site Plan.

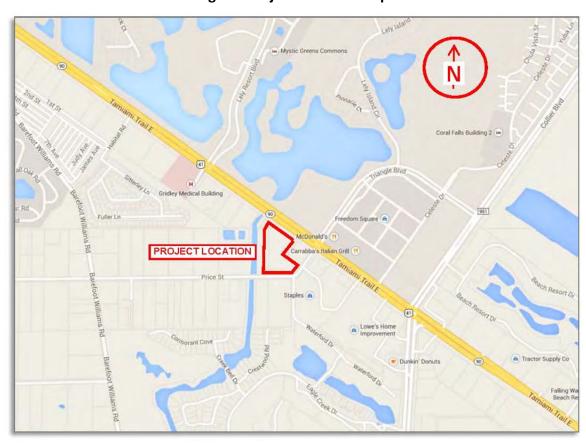


Fig. 1 - Project Location Map

The subject site is currently a vacant 6.56 acre \pm parcel. The site is currently zoned approved for the development of Wawa convenience store and gasoline pumps. Pending zoning approval, a future development phase may allow for an additional 27,500 sf strip shopping center.

The Wawa Site Development Plan (SDP) application proposes to develop a 6,119 sf convenience market with 16 gasoline pumps – depicted as Phase 1 in this Traffic Impact Statement (TIS).

In addition, the project future overall build-out Phase 2 (pending zoning approval) is considered to illustrate project related traffic operational analysis.

A methodology meeting was held with the Florida Department of Transportation (FDOT) and Collier County Transportation Planning staff on March 17, 2015 (reference **Appendix B: Initial Meeting Checklist**).

For purposes of this evaluation, the project build-out year is assumed to be consistent with the Collier County 2017 planning horizon.

The project provides a highest and best use scenario with respect to the project's proposed trip generation. A trip generation comparison is provided for the Land Use Codes (LUC) 853 – Convenience market with gasoline pumps, and LUC 945 – Gasoline/ Service Station with Convenience Market, of the Institute of Transportation Engineers (ITE) Trip Generation Manual, 9th Edition. For the purposes of this report, the conservative estimate of the two trip generations is used. The development program is illustrated in **Table 1**.

Table 1
Development Program

Development	Land Use	ITE Land Use Code	Total Size	Planning Horizon Year
Phase 1 – SDP Appli	cation			
Gas Station	Convenience Market with Gasoline Pumps	853	6,119 sf	2017
Phase 2 – Potential	Project Build-out*			
Gas Station	Convenience Market with Gasoline Pumps	853	6,119 sf	2017
Strip Shopping Center	Shopping Center	820	27,500 sf	2017

Note(s): *Pending zoning approval.

Connections to the subject site are proposed to be provided as follows: existing right-in/right-out access on eastbound Tamiami Trail East and one new full movement access on southbound Price Street.

Trip Generation

The project's site trip generation is based on the Institute of Transportation Engineers (ITE) <u>Trip Generation Manual</u>, 9th <u>Edition</u>. The software program OTISS (Online Traffic Impact Study Software), most current version is used to create the trip generation for the project. The ITE rates and equations are used for the trip generation calculations, as applicable. The ITE – OTISS

trip generation calculation worksheets are provided in **Appendix C: ITE Trip Generation Calculations**.

A trip generation comparison is provided for the LUC 853 – based on the store gross floor area, and LUC 945 – based on the fueling position. The LUC 853 – 6,119 sf GFA is the conservative estimate of the two trip generations and it is used for the purposes of this report.

The **internal capture** accounts for a reduction in external traffic because of the interaction between the multiple land uses in a site. Following county's staff recommendations, no internal capture is considered for this site.

The **pass-by trips** account for traffic that is already on the external roadway network and stops at the project on the way to a primary trip destination. It should be noted that the driveway volumes are not reduced as a result of the pass-by reduction, only the traffic added to the surrounding streets and intersections. As such, pass-by trips are not deducted for operational turn lane analysis (all external traffic is accounted for).

Consistent with Collier County TIS Guidelines and Procedures, gasoline/service stations with convenience market are allowed maximum pass-by traffic of 50% of the project's external trip generation potential. In addition, the county TIS Guidelines recommends that shopping center pass-by rates should not exceed 25% for the peak hour and the daily capture rates to be assumed 10% lower than the peak hour capture rate.

This analysis calculates LUC 853 pass-by daily rates at 40% and AM and PM peak hour rates at 50%.

Shopping center daily pass-by trips are calculated at 15% of the gross traffic with AM and PM peak hour at 25% of the gross trips.

For the purpose of this TIS, the surrounding roadway network link concurrency is analyzed based on Wawa SDP project – Phase 1 estimated PM peak hour traffic (Total external net traffic) as illustrated in **Table 2A**.

Table 2A

Trip Generation (Phase 1 - Proposed Conditions) – Average Weekday

Wawa SDP – Phase 1 Development	24 Hour Two-Way Volume	AN	1 Peak H	our	PM Peak Hour			
Land Use	Size		Enter	Exit	Total	Enter	Exit	Total
Convenience Market with Gasoline Pumps	6,119 sf	5,175	125	125	250	156	156	312
Total pass-by Traffic		2,070	62	63	125	78	78	156
Total External (Net) Traffic		3,105	63	62	125	78	78	156

The site access turn lane analysis is calculated based on the potential future overall build-out – Phase 2 total generated traffic during the weekday AM and PM peak hour, as illustrated in **Table 2B**. Based on the trip generation results, the generated PM peak hour traffic is more intense than the AM peak hour traffic (both egress and ingress traffic). As such, the PM peak hour traffic is used in the operational analysis (Total External Traffic).

Table 2B

Trip Generation (Phase 2 - Future Build-out Conditions) — Average Weekday

Wawa SDP – Phase Development	24 Hour Two-Way Volume	AM	Peak H	our	PM Peak Hour			
Land Use		Enter	Exit	Total	Enter	Exit	Total	
Convenience Market with Gasoline Pumps	6,119 sf	5,175	125	125	250	156	156	312
Shopping Center	27,500sf	2,934	44	27	71	121	131	252
Total Traffic		8,109	169	152	321	277	287	564
Total pass-by Traffic		2,510	73	70	143	108	111	219
Total External (Net) Traffic		5,599	96	82	178	169	176	345

Trip Distribution and Assignment

Projected traffic generated by the Wawa Phase 1 development is assigned to the adjacent roadways using the knowledge of the area and as coordinated with Collier County Transportation Planning staff.

Based on the estimated Phase 1 - PM peak hour total external net traffic, the assignment of proposed site-generated trip distribution is shown in **Table 3**, **Project Traffic Distribution for PM Peak Hour**, and is graphically depicted on **Fig. 2 - Project Distribution by Percentage and by PM Peak Hour**.

Table 3
Project Traffic Distribution for PM Peak Hour

Roadway Link	CC AUIR	Roadway Link Location	Distribution of	PM Peak Hr Project Traffic Vol.*		
•	Link ID #	•	Project Traffic	Enter	Exit	
Tamiami Trail East (US 41)	93.0	Rattlesnake Hammock Rd to Triangle Blvd	40%	EB - 31	WB - 31	
Tamiami Trail East (US 41)	94.0	Triangle Blvd to Collier Blvd	40%	WB - 31	<u>EB - 31</u>	
Triangle Blvd**	N/A	North of US 41	5%	SB - 4	NB – 4	
Staples Plaza**	N/A	East of Price St	10%	WB – 8	EB - 8	
Price Street**	N/A	South of US 41	5%	EB - 4	WB - 4	

Note(s): *Peak hour, peak direction traffic volumes are <u>underlined</u> and <u>bold</u> to be used in Roadway Link Level of Service calculations.

^{**}Not a Collier County monitored roadway.

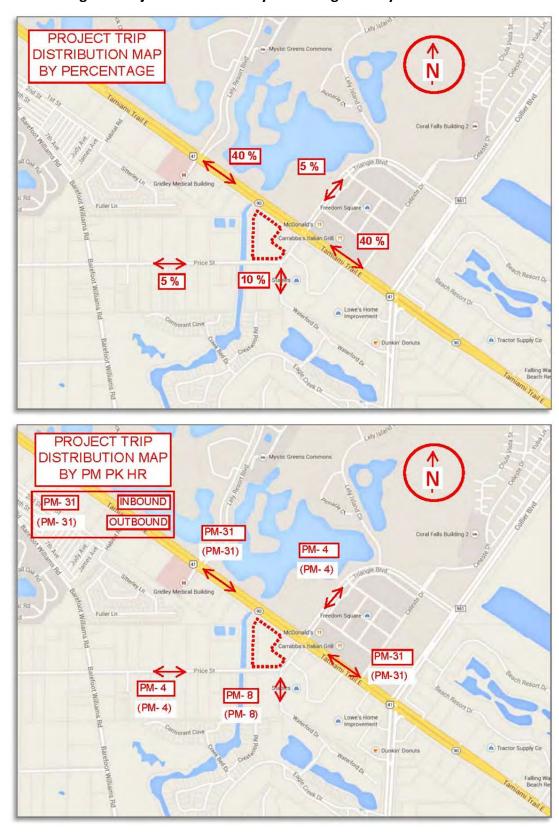


Fig. 2 – Project Distribution by Percentage and by PM Peak Hour

Background Traffic

Average background traffic growth rates were estimated for the segments of the roadway network in the study area using the Collier County Transportation Planning Staff guidance of a minimum 2% growth rate, or the historical growth rate from annual traffic counts (estimated from 2008 through 2015), whichever is greater. Another way to derive the background traffic is to use the 2015 Annual Update and Inventory Report (AUIR) volume plus the trip bank volume.

Table 4, Background Traffic without Project illustrates the application of projected growth rates to generate the projected background (without project) peak hour peak direction traffic volume for the future horizon year 2017.

Table 4
Background Traffic without Project (2015 - 2017)

Roadway Link	CC AUIR Link ID#	Roadway Link Location	2015 AUIR Pk Hr, Pk Dir Background Traffic Volume (trips/hr)	Projected Traffic Annual Growth Rate (%/yr)*	Growth Factor	2017 Projected Pk Hr, Peak Dir Background Traffic Volume w/out Project (trips/hr) Growth Factor**	Trip Bank	2017 Projected Pk Hr, Peak Dir Background Traffic Volume w/out Project (trips/hr) Trip Bank***
Tamiami Trail East (US 41)	93.0	Rattlesnake Hammock Rd to Triangle Blvd	1,910 (EB)	2.0%	1.0404	1,988	359	2,269
Tamiami Trail East (US 41)	94.0	Triangle Blvd to Collier Blvd	1,490 (EB)	2.0%	1.0404	1,551	211	<u>1,701</u>

Note(s):

The projected 2017 Peak Hour – Peak Direction Background Traffic is the greater of the Growth Factor or Trip Bank calculation, which is <u>underlined</u> and <u>bold</u> as applicable.

Existing and Future Roadway Network

The existing roadway conditions are extracted from the 2015 Annual Update and Inventory Report (AUIR) and the project roadway conditions are based on the current Collier County 5-Year Work Program. Roadway improvements that are currently under construction or are scheduled to be constructed within the five year Transportation Improvement Plan (TIP) or Capital Improvement Program (CIP) are considered to be committed improvements. As no such improvements were identified in the Collier County 2015 AUIR, the evaluated roadways are anticipated to remain as such through project build-out. The existing and future roadway conditions are illustrated in **Table 5**.

^{*}Annual Growth Rate – estimated from 2008 - 2015 or 2% minimum.

^{**}Growth Factor = (1+Annual Growth Rate) ^2. 2017 Projected Volume= 2015 AUIR Volume x Growth Factor.

^{***2017} Projected Volume= 2015 AUIR Volume + Trip Bank.

Table 5
Existing and Future Roadway Conditions

Roadway Link	CC AUIR Link ID #	Roadway Link Location	Exist Roadway	Min. Standard LOS	Exist Peak Dir, Peak Hr Capacity Volume	Future Project Build out Roadway
Tamiami Trail East (US 41)	93.0	Rattlesnake Hammock Rd to Triangle Blvd	6D	E	3,000 (EB)	6D
Tamiami Trail East (US 41)	94.0	Triangle Blvd to Collier Blvd	6D	E	3,000 (EB)	6D

Note(s): 2U = 2-lane undivided roadway.

4D, 6D, 8D =4-lane, 6-lane, 8-lane divided roadway, respectively.

LOS = Level of Service.

Project Impacts to Area Roadway Network Link Analysis

The Collier County Transportation Planning Services developed Level of Service (LOS) volumes for the roadway links impacted by the project, which were evaluated to determine the project impacts to the area roadway network for future conditions (planning horizon year 2017). The Collier County Transportation Planning Services guidelines have determined that a project will be considered to have a significant and adverse impact if **both** the percentage volume capacity exceeds 2% of the capacity for the link directly accessed by the project and for the link adjacent to the link directly accessed by the project; 3% for other subsequent links **and** if the roadway is projected to operate below the adopted LOS standard.

Based on these criteria, this project does not create any significant and adverse impacts to the area roadway network. None of the analyzed links are projected to operate below the adopted LOS standard with or without the project at 2017 future conditions.

Table 6, Roadway Link Level of Service illustrates the LOS impacts of the project on the roadway network closest to the project.

Table 6
Roadway Link Level of Service (LOS) – With Project in the Year 2017

Roadway Link	CC AUIR Link ID#	Roadway Link Location	2015 Peak Dir, Peak Hr Capacity Volume	Roadway Link, Peak Dir, Peak Hr (Project Vol Added)*	2017 Peak Dir, Peak Hr Volume w/Project **	% Volume Capacity Impact By Project	Min LOS exceeded without Project? Yes/No	Min LOS exceeded with Project? Yes/No
Tamiami Trail East (US 41)	93.0	Rattlesnake Hammock Rd to Project Entrance	3,000 (EB)	<u>EB-31</u>	2,300	1.03%	No	No
Tamiami Trail East (US 41)	94.0	Project Entrance to Collier Blvd	3,000 (EB)	<u>EB-31</u>	<u>1,732</u>	1.03%	No	No

Note(s):

Site Access and Intersection Analysis

Connection to the subject site are proposed to be provided as follows: existing right-in/right-out access on eastbound Tamiami Trail East and one proposed new full movement access on southbound Price Street. For more details refer to **Appendix A: Project Master Site Plan.**

The site access turn lane analysis is calculated based on the potential future overall build-out — Phase 2 traffic during the weekday AM and PM peak hour (as illustrated in **Table 2B**). Based on the trip generation results, the PM peak hour traffic is more intense (both inbound and outbound traffic) than AM peak hour. As such, the total generated PM peak hour traffic (External – Net New and Pass-By) is used in the operational analysis.

US 41 (SR 90 – Tamiami Trail East) is a six-lane southeast-northwest urban divided arterial under the Florida Department of Transportation (FDOT) jurisdiction and has a posted legal speed of 45 mph in the vicinity of project.

Price Street is currently an undivided two-lane public local roadway, southwest of Tamiami Trail East and has a posted legal speed of 30 mph in the vicinity of the project.

The estimated project trips at driveway locations are illustrated in **Appendix D: Turning**Movements Exhibits.

Project Access – Eastbound Tamiami Trail East (US 41)

The existing eastbound right-turn lane servicing the project is approximately 360ft long.

^{*}Refer to Table 3 from this report.

^{**2017} Projected Volume= 2017 background (refer to Table 4) + Project Volume added.

Based on the posted speed limit of 55 mph on US 41 in the vicinity of project, the right-turning threshold volume for warranting a right-turn lane is 80-125vph, according to the FDOT Driveway Information Guide. The project is expected to accommodate 116 vph right turning movements during PM peak hour, which is between the 80 to 125 vph threshold values. As such, a dedicated eastbound-right turn lane is warranted at this location.

Based on FDOT Design Standard, Index# 301 – design speed of 55 mph, the minimum turn lane length is 350ft (which includes a 50ft taper) plus required queue. As right-turn lanes are more efficient than left turn lanes, required turn lane storage length is determined consistent with the number of turning vehicles likely to arrive in an average one-minute period within the peak hour. In addition, based on FDOT Plans Preparation Manual (PPM), Volume 1 – Chapter 2.13.2 recommendation, storage space for at least two cars should be provided.

The eastbound right-turn lane should be 400 ft long (350ft deceleration lane with taper and 50ft of storage) to accommodate site projected traffic. Therefore, the existing right-turn lane should be extended 40ft (for a total of 400ft) to accommodate proposed estimated traffic.

<u>Project Access – Southbound Price Street</u>

The project access on Price Street is evaluated for turn lane warrants based on the Collier County Construction Standards Handbook: (a) two-lane roadways – 40vph for right-turn lane/20vph for left-turn lane; (b) multi-lane divided roadways – right turn lanes shall always be provided; (c) when new median openings are permitted, they shall always include left-turn lanes.

The project is expected to generate 135vph right turning movements during PM peak hour which is above the 40vph threshold value. As such, a dedicated southbound-right turn lane is warranted at this location.

Based on a posted speed of 30 mph and the proximity to existing intersection with US 41, Price Street turn lanes are considered satisfactory if, at the minimum, the stacking distance is adequate.

The proposed right-turn lane is 130ft long. In addition, the project proposes a 100ft driveway "throat" measured from the back of the crosswalk. The proposed storage right-turn lane is considered adequate based on the following observations: (1) ROW constraints in the vicinity of Price Street access location; (2) lower approach speeds are expected due to proximity of the US 41 and Price Street intersection; (3) additional 4 vehicle stacking that may be provided by project drive; (4) there is sufficient sight distance to allow the driver adequate time to observe the upcoming situation, make the proper decision and take the appropriate action in a normal manner.

US 41 and Price Street – Intersection Analysis

In order to determine the traffic conditions in the vicinity of the subject site, PM peak hour turning movement counts were performed at the intersection on April 15, 2015. A summary of the intersection turning movement counts is provided in **Appendix E: Intersection Turning Movements Counts**. Traffic volumes were adjusted for peak season conditions using the appropriate peak season correction factor (as illustrated in **Appendix F: FDOT 2014 Peak Season Factor Category Report – Excerpt**).

The existing intersection lane configuration is illustrated in **Fig. 3**.



Fig. 3 – Intersection – Existing Conditions

The existing signal timing (Programmed EPAC Data) was provided by Collier County Transportation Staff, as illustrated in **Appendix G: Intersection Signal EPAC Data.**

Intersection analysis is completed using the most recent version of Highway Capacity Software (HCS 2010) which emulates Highway Capacity Manual (HCM 2010). The results of the HCS analysis are included in **Appendix H: Intersection HCS Printouts.**

The HCS 2010 percent heavy vehicle is determined as half of FDOT T24 (annual 24-hour percentage of trucks), which is illustrated in FDOT Florida Traffic Online. A 2% heavy vehicle factor is determined for all movements on US 41 approaches.

Level of Service

The minimum Level of Service (LOS) standard for US 41 in the vicinity of project is "E" as reflected in **Table 5** of this report. The HCS analysis results show that the intersection is projected to exhibit a satisfactory LOS "D" for the 2017 background traffic PM peak hour conditions with build-out project traffic.

Site Access – EB US 41 – Weave Distance

Weave distance is the distance from a driveway to a nearby intersection where a driver exits a driveway, merges into the nearest lane and then "weaves" across lanes, one at a time, in order to turn at an intersection on the opposite side of the roadway.

Based on FDOT Median Handbook, weaving patterns with a driveway close to median opening are illustrated in Fig. 4.

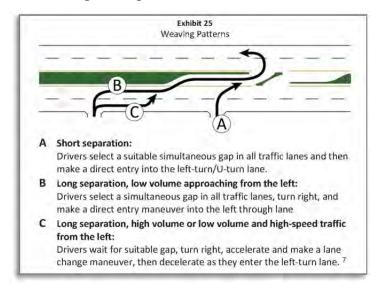


Fig. 4 – Right Turns Weave Patterns

Based on the HCS analysis results – future 2017 background conditions without project traffic, the US 41 eastbound approach exhibits the following queue-storage distances: RT lane -25ft (1 veh), THRU -375ft (15 veh), and LT -275ft (11 veh).

The project driveway is located 425ft away from the intersection (measured from the STOP bar location). As such, the project driveway location is consistent with a short separation weaving pattern – FDOT Type A.

Intersection Turn Lane Analysis

US 41 – Based on FDOT Design Standard, Index# 301, design speed of 45 mph, the minimum turn lane length is 185ft (which includes a 50ft taper) plus required queue.

Based on the PPM - Vol. 1 - Chapter 7.4.7 suggestion, right turn storage lanes should be considered when right turn volume exceeds 300vph (as right turns are made more efficiently than left turns).

Based on the HCS analysis results (refer to **Appendix H**), no Level of Service deficiencies are shown at US 41 and Price Street intersection impacted by the proposed development.

In accordance with the maximum 95th percentile queue length from the HCS intersection analysis (refer to **Appendix H**), the required minimum length are reported in **Table 7**.

Proposed intersection improvements are illustrated in **Appendix I: Proposed Intersection Improvements**. The existing 335 ft EB left turn is proposed to be extended 175 ft (for a total of 510 ft) and the existing 360 ft WB left turn is proposed to be extended 25 ft (for a total of 385 ft). In addition minor striping modification for Price Street northbound leg and intersection signal timing adjustments are proposed.

As illustrated in **Table 7**, the proposed US 41 eastbound and westbound left-turn lanes are adequate to accommodate projected future traffic.

Table 7
Intersection – Turn Lane Calculations

Turn Lanes	Existing Length (ft)	2017 Background Queue Storage Length	2017 Background w/Project Traffic Queue Storage Length	2017 Background w/Project Traffic Queue Storage Length - Signal Improvements	Deceleration Distance	Required Minimum Length 2017 Background w/Project Traffic Queue Storage Length With Signal Improvements
US 41 EB – LT	335	275	350	275	185	460
US 41 EB - RT	425	25	25	25	185	210
US 41 WB - LT	360	50	250	200	185	385
Price St. NB - LT	200	200	250	200	N/A*	200
Price St. NB - RT	200	125	175	150	N/A*	150

Note(s): *provide for stacking only.

Another method to calculate left-turn storage length at signalized intersections is to use a formula from the Plans Preparation Manual Volume 1, Chapter 7.4.7 Intersection Design – Lane

Configuration. The formula, Q = (2.0)(DHV)(25)/N, where Q = design length for left turn storage in feet, DHV = left turn volume during design peak hour, in VPH and N = number of cycles per hour for peak hour, where N = 30 is used as a default.

For **US-41 eastbound**, a posted speed limit of 45 mph and a DHV of 228vph, the proposed left - turn lane length is 565ft (185ft taper and deceleration, 380ft storage). Consistent with the PPM formula, the proposed turn lane is sufficient to accommodate proposed traffic.

US-41 westbound, with a posted speed limit of 45 mph and a DHV of 134vph, the minimum left-turn lane length is 410ft (185ft taper and deceleration, 225ft storage). Proposed left-turn lane is 410 feet.

Improvement Analysis

Based on the link analysis and trip distribution, the proposed project is not a significant and adverse traffic generator for the roadway network at this location. There is adequate and sufficient roadway capacity to accommodate the proposed development generated trips without adversely affecting adjacent roadway network level of service.

Based on the Collier County Construction Standards Handbook criteria, a dedicated southbound-right turn lane is warranted at Price Street site access location. Consistent with the observations illustrated in this report, the proposed storage right-turn lane is adequate to accommodate projected traffic.

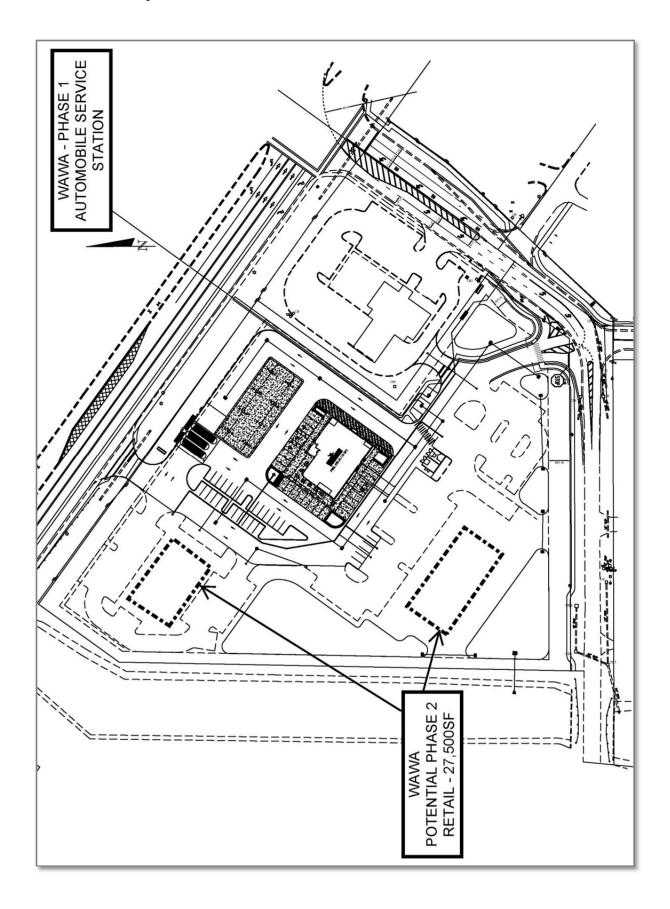
Based on the results of the HCS Intersection analysis, the proposed US 41 eastbound and westbound left-turn lanes are adequate to accommodate future traffic conditions. Signal timing adjustments and minor striping improvements on Price Street are proposed to improve intersection vehicle storage and circulation.

Mitigation of Impact

The developer proposes to pay the appropriate Collier County Road Impact Fee as building permits are issued for the project.

Appendix A: Project Master Site Plan

(1 Sheet)



Appendix B: Initial Meeting Checklist (Methodology Meeting)

(6 Sheets)

INITIAL MEETING CHECKLIST

Suggestion: Use this Appendix as a worksheet to ensure that no important elements are overlooked. Cross out the items that do not apply, or N/A (not applicable).

Date: March 17, 2015 Time: N/A

Location: 2800 N. Horseshoe Drive

People Attending:

Name, Organization, and Telephone Numbers

- 1) Stephen Baluch, Collier County Growth Management Division
- 2) John Podczerwinsky, Collier County Growth Management Division
- 3) Jeff Nunner, Nunner LLC
- 4) Norman Trebilcock, TCS
- 5) Ciprian Malaescu, TCS
- 6) MARK CLARK FOOT

Study Preparer:

Preparer's Name and Title: Norman Trebilcock, AICP, PE

Organization: Trebilcock Consulting Solutions, PA

Address & Telephone Number: 1205 Piper Boulevard, Suite 202, Naples, Fl. 34110; ph 239-566-9551

Reviewer(s):

Reviewer's Name & Title; Stephen Baluch, PE Collier County Transportation Planning Department Organization & Telephone Number: 239-252-2361

Applicant:

Applicant's Name: Waldrop Engineering

Address: 28100 Bonita Grande Drive, Bonita Springs, FL 34135

Telephone Number: 239-405-7777

Proposed Development:

Name: Wawa - Site Development Plan (SDP)

Location: on the southwest corner of US 41 (SR 90) and Price Street (refer to Fig.1):

project address - 100 Price Street.

Land Use Type: Gasoline/ Service Station with Convenience Market

ITE Code #: LUC 945

Description: Proposed 16 pump gas station. The project site is currently vacant.

Zoning

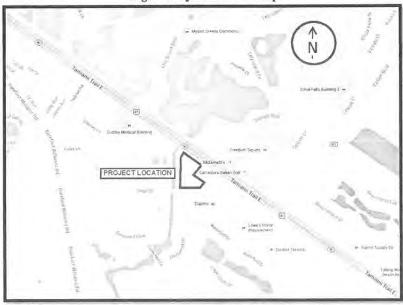
Existing: current zoning C-4

Comprehensive plan recommendation: No change

Page 1 of 6

Requested: to allow for the SDP approval

Fig.1 - Project Location Map



Findings of the Preliminary Study:

Study type: Since estimated project new traffic volume is above 100 AM or PM peak hour trips, this study qualifies for a Major TIS — significant roadway and/or operational impacts and work within the county right-of-way. The TIS will include AM-PM peak hour trip generation, traffic distribution and assignments, significance test, roadway link analysis and site access points turn lane analysis.

ITE recommendations for pass-by trips are as follows: Daily - N/A; AM - 62%; PM - 56%. The TIS shall be consistent with Collier County TIS Guidelines and Procedures. Proposed pass-by rates are as follows: Daily - 40% (10% lower than the peak hour capture rate), AM - 50%; PM - 50%.

Roadway concurrency analysis – weekday Total non-pass-by PM Pk Hr trip generation. Operational Site Access Analysis – weekday Total external AM-PM Pk Hr

 Study Type:
 (if not net increase, operational study)

 Small Scale TIS
 ☐

 Major TIS
 ☐

Page 2 of 6

Study Area:

Boundaries: north - US 41 (SR 90), east - Price Street

Additional intersections to be analyzed: N/A

Build Out Year: 2016

Planning Horizon Year: 2017

Analysis Time Period(s): Concurrency - Weekday PM Pk Hr; Operational - Weekday

AM-PM Pk Hr.

Future Off-Site Developments: N/A

Source of Trip Generation Rates: ITE 9th Edition

Reductions in Trip Generation Rates:

None: N/A

Pass-by trips: consistent with CC TIS Guidelines and Procedures

Internal trips: N/A Transit use: N/A Other: N/A

Horizon Year Roadway Network Improvements: 2017

Methodology & Assumptions:

Non-site traffic estimates: Collier County traffic counts and 2014 AUIR

Site-trip generation: OTISS - ITE 9th Edition

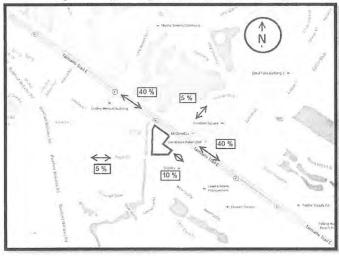
Trip distribution method: Engineer's Estimate – refer to Fig. 2, below Traffic assignment method: project trip generation with background growth

Traffic growth rate: historical growth rate or 2% minimum

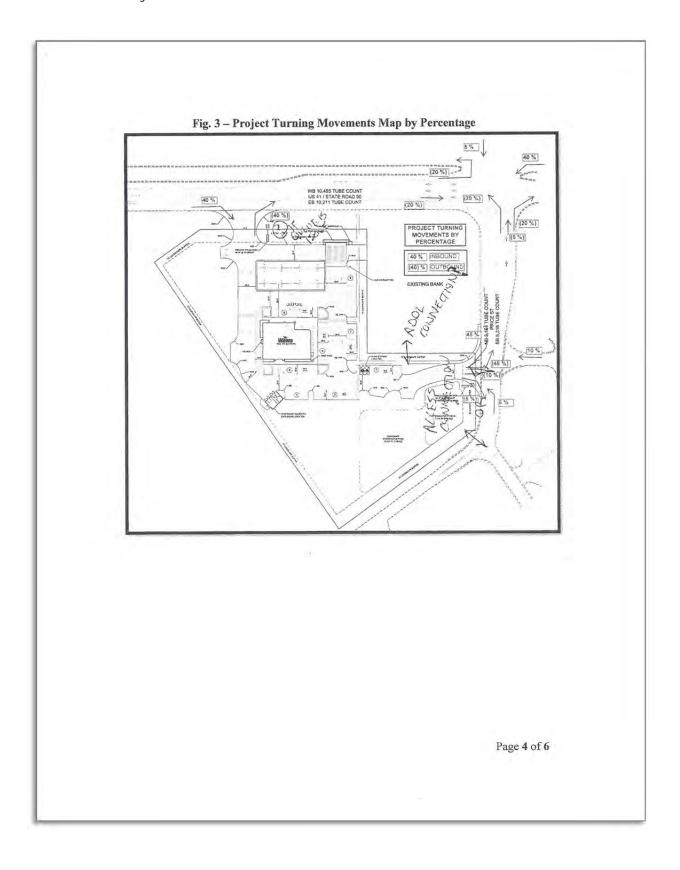
Project Turning Movements: site access turn lane analysis - refer to Fig. 3, on next page

rnterscition analysis Price at US 41

Fig. 2 - Project Trip Distribution by Percentage Price at US 41



Page 3 of 6



Special Features: (from preliminary study or prior experience) Accidents locations: N/A Sight distance: N/A	
Queuing: N/A Access location & configuration: N/A Traffic control: MUTCD	
Signal system location & progression needs: N/A On-site parking needs: N/A Data Sources: CC 2014AUIR; CC Traffic Counts	
Base maps: N/A Prior study reports: N/A Access policy and jurisdiction: N/A Review process: N/A	
Requirements: N/A Miscellaneous: N/A	
Small Scale Study – No Fee	
Minor Study - \$750.00	
Major Study - \$1500.00 X Includes 2 intersections	
Additional Intersections - \$500.00 each	
Additional Intersections - \$500.00 each All fees will be agreed to during the Methodology meeting and must be paid to Transportation prior to our sign-off on the application.	
All fees will be agreed to during the Methodology meeting and must be paid to Transportation prior to our sign-off on the application. SIGNATURES	
All fees will be agreed to during the Methodology meeting and must be paid to Transportation prior to our sign-off on the application. SIGNATURES Norman Trebilcock Study Preparer—Norman Trebilcock	
All fees will be agreed to during the Methodology meeting and must be paid to Transportation prior to our sign-off on the application. SIGNATURES Norman Trebilcock	
All fees will be agreed to during the Methodology meeting and must be paid to Transportation prior to our sign-off on the application. SIGNATURES Norman Trebilcock Study Preparer—Norman Trebilcock Attach 3/17/15	
All fees will be agreed to during the Methodology meeting and must be paid to Transportation prior to our sign-off on the application. SIGNATURES Norman Trebilcock Study Preparer—Norman Trebilcock All plus J. Bellisch. 3/17/15 Reviewer(s)	
All fees will be agreed to during the Methodology meeting and must be paid to Transportation prior to our sign-off on the application. SIGNATURES Norman Trebilcock Study Preparer—Norman Trebilcock All plus J. Bellisch. 3/17/15 Reviewer(s)	
All fees will be agreed to during the Methodology meeting and must be paid to Transportation prior to our sign-off on the application. SIGNATURES Norman Trebilcock Study Preparer—Norman Trebilcock All plus J. Bellisch. 3/17/15 Reviewer(s)	

Collier County Traffic Impact Study Review Fee Schedule

Fees will be paid incrementally as the development proceeds: Methodology Review, Analysis Review, and Sufficiency Reviews. Fees for additional meetings or other optional services are also provided below.

Methodology Review - \$500 Fee

Methodology Review includes review of a submitted methodology statement, including review of submitted trip generation estimate(s), distribution, assignment, and review of a "Small Scale Study" determination, written approval/comments on a proposed methodology statement, and written confirmation of a re-submitted, amended methodology statement, and one meeting in Collier County, if needed.

"Small Scale Study" Review - No Additional Fee (Includes one sufficiency review)

Upon approval of the methodology review, the applicant may submit the study. The review includes: a concurrency determination, site access inspection and confirmation of the study compliance with trip generation, distribution and maximum threshold compliance.

"Minor Study Review" - \$750 Fee (Includes one sufficiency review)

Review of the submitted traffic analysis includes: optional field visit to site, confirmation of trip generation, distribution, and assignment, concurrency determination, confirmation of committed improvements, review of traffic volume data collected/assembled, review of off-site improvements within the right-of-way, review of site access and circulation, and preparation and review of "sufficiency" comments/questions.

"Major Study Review" - \$1,500 Fee (Includes two intersection analysis and two sufficiency reviews)

Review of the submitted traffic analysis includes: field visit to site, confirmation of trip generation, special trip generation and/or trip length study, distribution and assignment, concurrency determination, confirmation of committed improvements, review of traffic volume data collected/assembled, review of traffic growth analysis, review of off-site roadway operations and capacity analysis, review of site access and circulation, neighborhood traffic intrusion issues, any necessary improvement proposals and associated cost estimates, and preparation and review of up to two rounds of "sufficiency" comments/questions and/or recommended conditions of approval.

"Additional intersection Review" - \$500 Fee

The review of additional intersections shall include the same parameters as outlined in the "Major Study Review" and shall apply to each intersection above the first two intersections included in the "Major Study Review"

"Additional Sufficiency Reviews" - \$500 Fee)

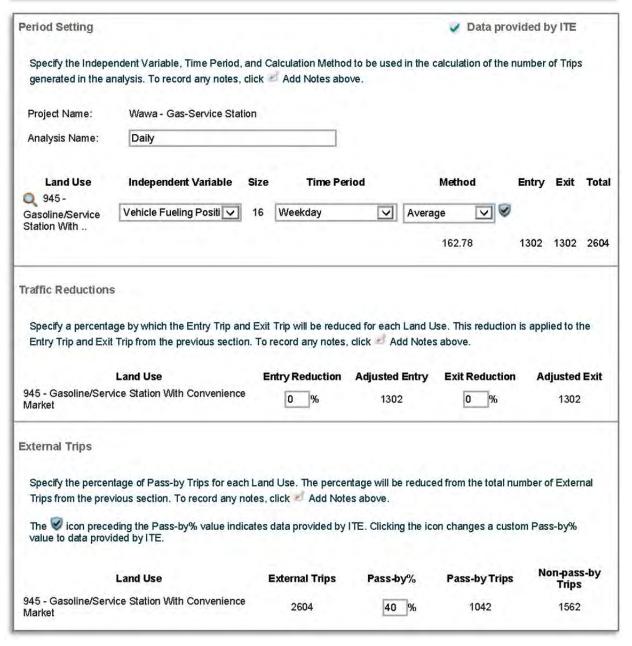
Additional sufficiency reviews beyond those initially included in the appropriate study shall require the additional Fee prior to the completion of the review.

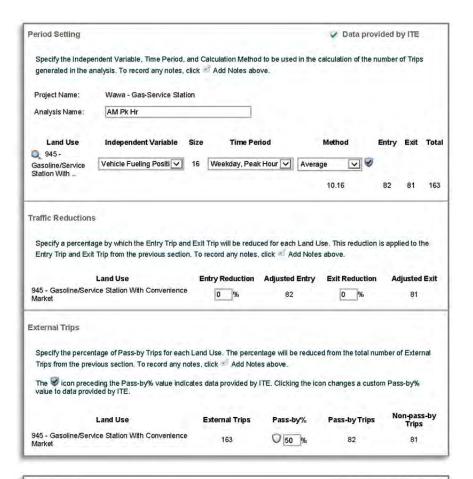
Page 6 of 6

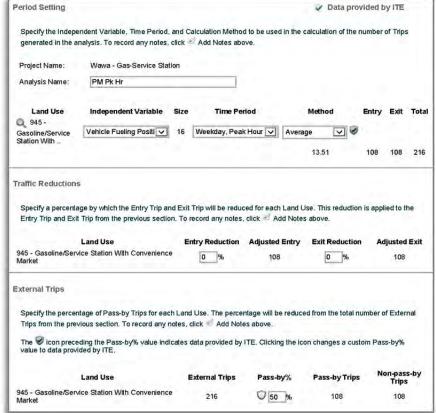
Appendix C: Trip Generation Calculations ITE 9th Edition

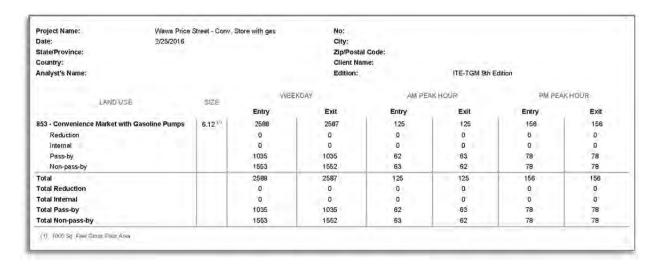
(6 Sheets)

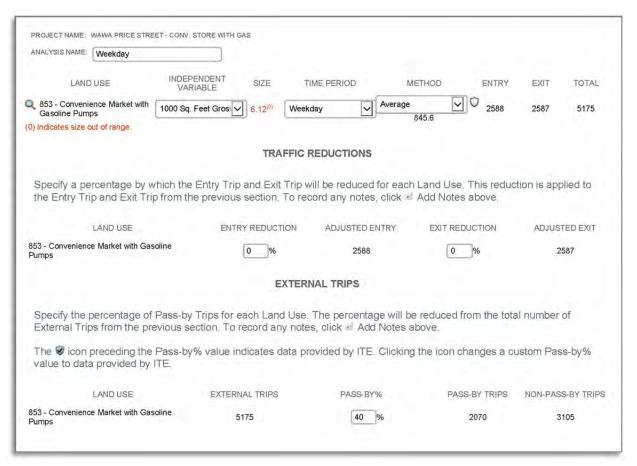
Project Name: Wawa - C Jate: 5/13/201: State!Province: Country: Inalyst's Name:	5		City: Zip/Postal Code: Client Name: Edition: ITE-TGM 9th Edition				
Land Use	2	Daily		AME	AM Pk Hr		k Hr
Land Use	Size	Entry	Exit	Entry	Exit	Entry	Exit
945 - Gasoline/Service Station With Convenience Ma	rket 16 (1)	1302	1302	82	81	108	108
Reduction		0	0	Ö	0	0	0
Internal		0	0	0	0	0	0 54
Pass-by		521	521	41	41	54	54
Non-pass-by		781	781	41	40	54	54
Total		1302	1302	82	81	108	108
Total Reduction		0	0	0	0	0	0
Total Internal		0	0	0	0	0	0
Total Pass-by		521	521	41	41	54	54
Total Non-pass-by		781	781	41	40	54	54

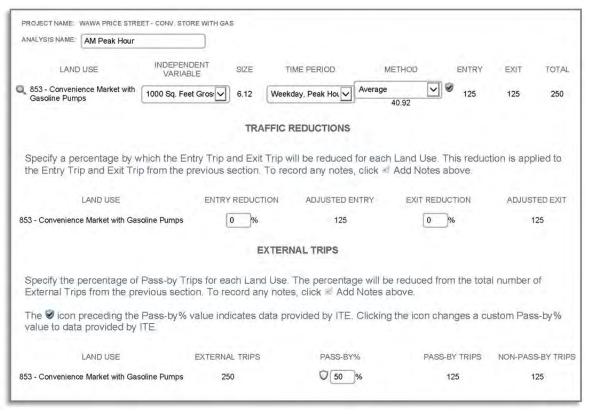


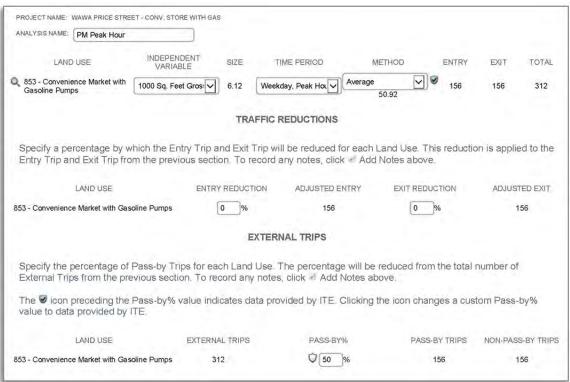




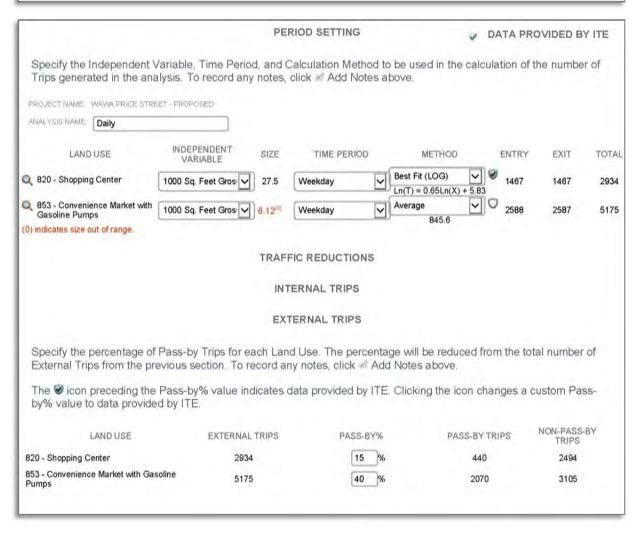


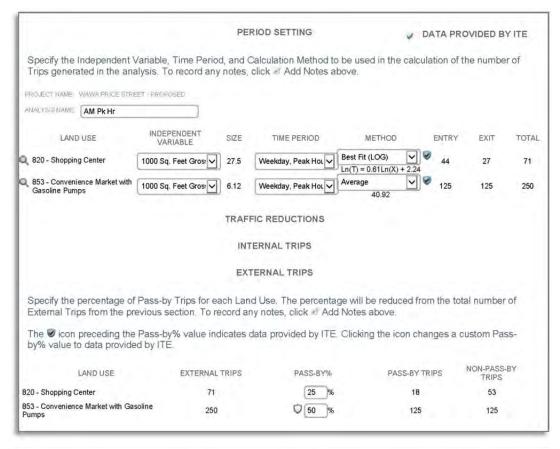


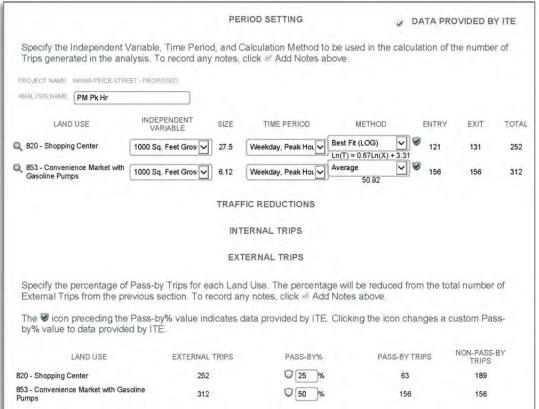




Project Name: Date: State/Province: Country: Analyst's Name:	Wawa Price Street - Proposed 5/16/2016	Zi CI	o: ty: p/Postal Code: ient Name: lition:	ITE-TGM 9th Edition				
	LAND USE SI	ZE	D	AILY	AM F	K HR	PM F	K HR
	0110000		Entry	Exit	Entry	Exit	Entry	Exit
820 - Shopping Ce	nter 27.	5 (1)	1467	1467	44	27	121	131
Reduction			0	0	0	0	0	0
Internal			0	0	0	0	0	0
Pass-by			220	220	11	7	30	33
Non-pass-by			1247	1247	33	20	91	98
853 - Convenience	Market with Gasoline Pumps 6.1	12 (2)	2588	2587	125	125	156	156
Reduction			0	0	0	0	0	0
Internal			0	0	0	0	0	0
Pass-by			1035	1035	62	63	78	78
Non-pass-by			1553	1552	63	62	78	78
Total			4055	4054	169	152	277	287
Total Reduction			0	0	0	0	0	0
Total Internal			0	0	0	0	0	0
Total Pass-by			1255	1255	73	70	108	111
Total Non-pass-by			2800	2799	96	82	169	176

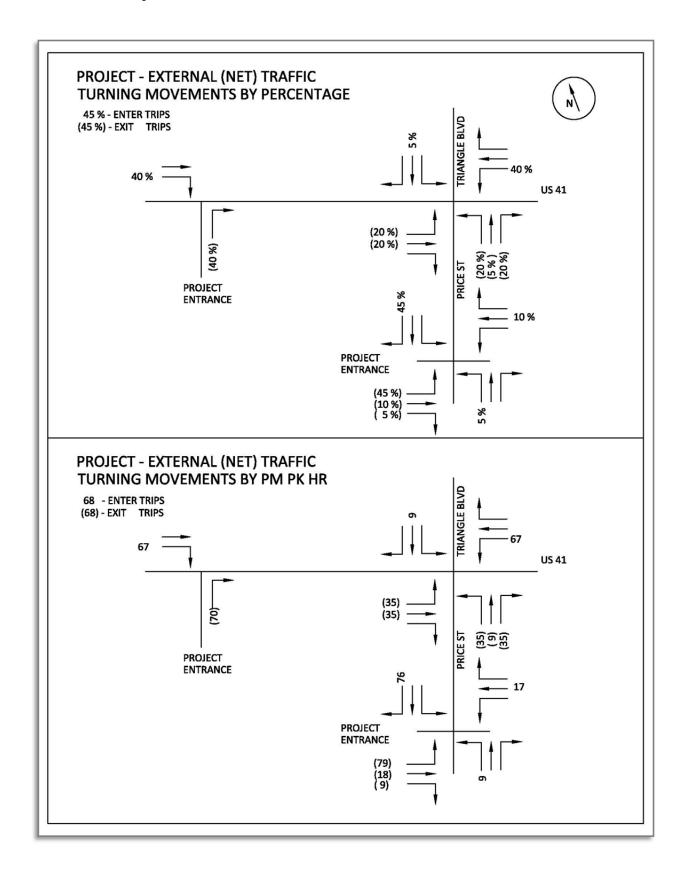


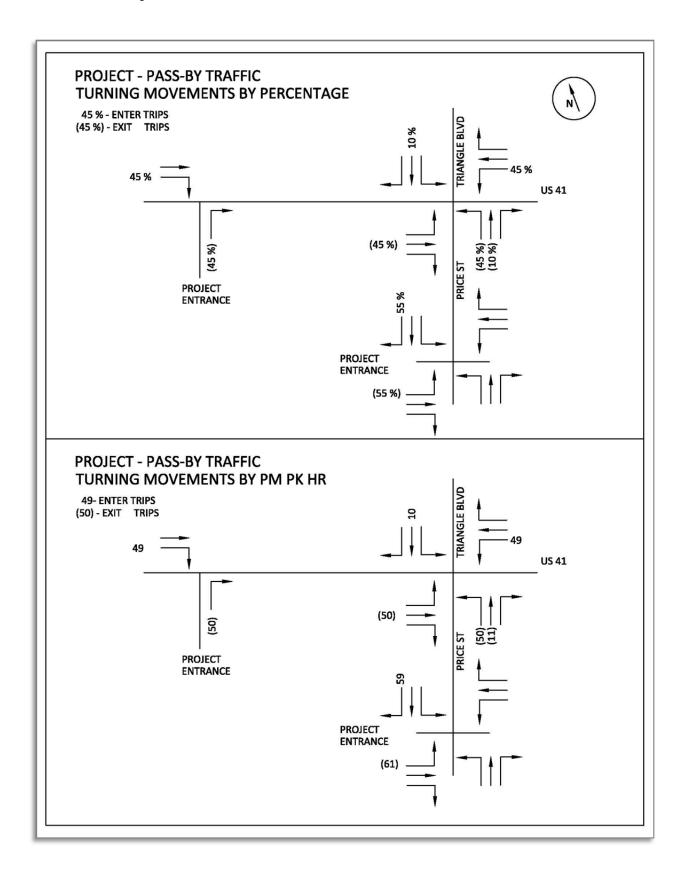


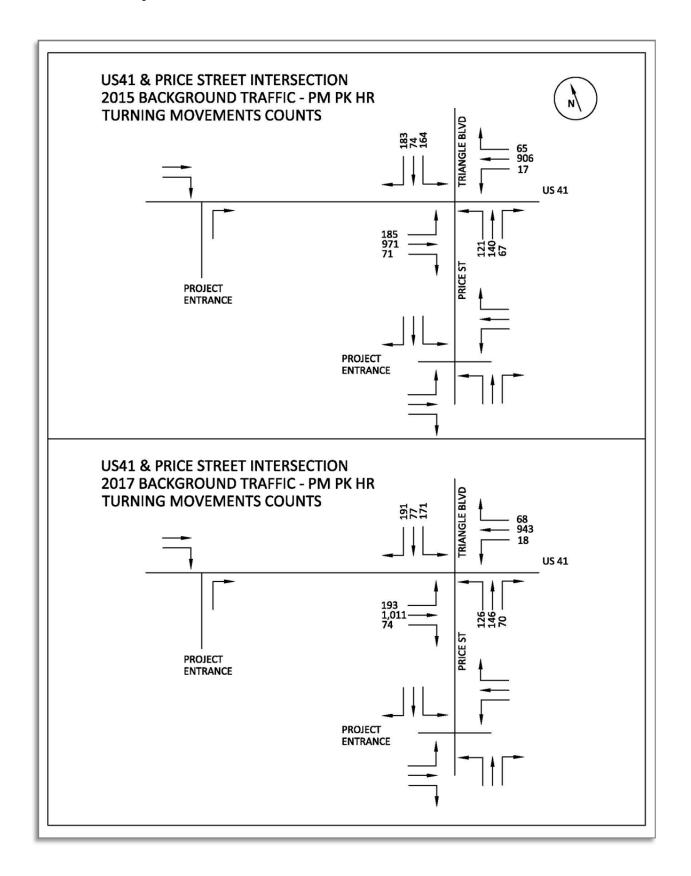


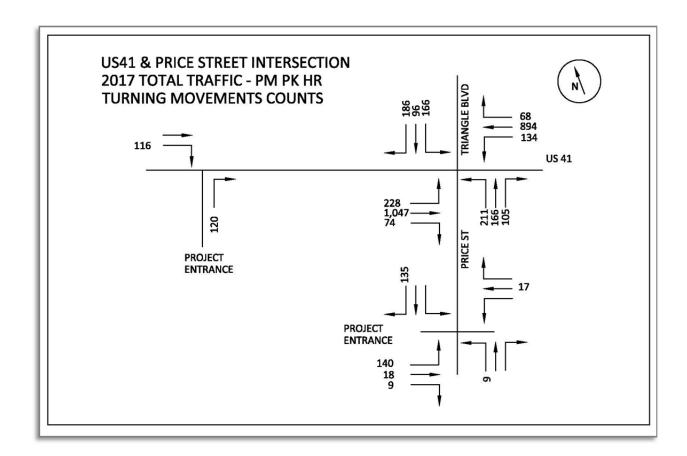
Appendix D: Turning Movements Exhibits

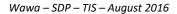
(4 Sheets)













PROJECT - INTERSECTION TURNING MOVEMENT COUNTS INTERSECTION - US 41 AND TRIANGLE/PRICE COUNT DATA - DATE - 04-15-2015 COUNT DATA - TIME -4.00 PM - 6.00 PM

							TRAFFIC	COUNTS	5 - 15 MI	NUTE SU	MMARY	S.						
					US	41					TRIANG	LE BLVD			PRICE :	STREET		NOI
TIM	VIE		WESTE	BOUND			EASTE	OUND			SOUTH	BOUND			NORTH	BOUND		INTERSECTION TOTAL
FROM	то	LEFT	THRU	RIGHT	TOTAL	LEFT	THRU	RIGHT	TOTAL	LEFT	THRU	RIGHT	TOTAL	LEFT	THRU	RIGHT	TOTAL	IN.
4.00	4.15	10	287	12	309	50	198	36	284	40	14	33	87	34	33	14	81	761
4.15	4.30	2	201	12	215	61	244	25	330	32	30	32	94	35	39	16	90	729
4.30	4.45	2	225	11	238	43	239	33	315	46	17	32	95	25	30	18	73	721
4.45	5.00	3	179	10	192	44	213	23	280	34	27	51	112	32	38	15	85	669
5.00	5.15	2	271	9	282	48	253	13	314	45	19	44	108	27	42	18	87	791
5.15	5.30	4	248	24	276	49	222	17	288	28	20	39	87	36	34	17	87	738
5.30	5.45	7	199	21	227	42	273	17	332	55	7	47	109	24	24	16	64	732
5.45	6.00	2	184	15	201	47	195	20	262	37	27	37	101	27	33	5	65	629

							TRAFF	IC COUN	TS - HOU	RLY SUN	MARY							
TIN	45				US	41					TRIANG	LE BLVD			PRICE:	STREET		NOI
"	VIE		WESTE	BOUND			EASTE	OUND			SOUTH	BOUND			NORTH	BOUND		ERSECTION
FROM	то	LEFT	THRU	RIGHT	TOTAL	LEFT	THRU	RIGHT	TOTAL	LEFT	THRU	RIGHT	TOTAL	LEFT	THRU	RIGHT	TOTAL	NE.
4.00	5.00	17	892	45	954	198	894	117	1,209	152	88	148	388	126	140	63	329	2,880
4.15	5.15	9	876	42	927	196	949	94	1,239	157	93	159	409	119	149	67	335	2,910
4.30	5.30	11	923	54	988	184	927	86	1,197	153	83	166	402	120	144	68	332	2,919
4.45	5.45	16	897	64	977	183	961	70	1,214	162	73	181	416	119	138	66	323	2,930
5.00	6.00	15	902	69	986	186	943	67	1,196	165	73	167	405	114	133	56	303	2,890

							TRAFFIC	COUNTS	- PEAK I	HOUR SU	MMARY							
TIN	45				US	41					TRIANG	LE BLVD			PRICE :	STREET		NOIL
1.00	VIE		WESTE	BOUND			EASTB	OUND			SOUTH	BOUND			NORTH	BOUND		ERSECT
FROM	то	LEFT	THRU	RIGHT	TOTAL	LEFT	THRU	RIGHT	TOTAL	LEFT	THRU	RIGHT	TOTAL	LEFT	THRU	RIGHT	TOTAL	E
4.45	5.45	16	897	64	977	183	961	70	1,214	162	73	181	416	119	138	66	323	2,930
		PI	HF	0.	87	PI	HF	0.	92	PI	-IF	0.	96	PI	HF	0.	93	
				- 1	NTERSEC	TION PH	F						0.	93				l

					PM PEAR	(HOUR FU	TURE TR	AFFIC								
				US	41							TRIANGI	E/PRICE			
		WESTBO	DUND			EASTBO	DUND			SOUTHB	OUND			NORTHE	BOUND	
	LEFT	THRU	RIGHT	TOTAL	LEFT	THRU	RIGHT	TOTAL	LEFT	THRU	RIGHT	TOTAL	LEFT	THRU	RIGHT	тот
TMCs	16	897	64	977	183	961	70	1,214	162	73	181	416	119	138	66	32
PSCF	1.01	1.01	1.01		1.01	1.01	1.01		1.01	1.01	1.01		1.01	1.01	1.01	
2015 BACKGROUND PEAK SEASON VOLUME	17	906	65	988	185	971	71	1,227	164	74	183	421	121	140	67	32
GROWTH RATE	2.0%	2.0%	2.0%		2.0%	2.0%	2.0%		2.0%	2.0%	2.0%		2.0%	2.0%	2.0%	
YEARS TO BUILD-OUT	2	2	2		2	2	2		2	2	2		2	2	2	
2017 BACKGROUND PEAK SEASON VOLUME	18	943	68	1,029	193	1,011	74	1,278	171	77	191	439	126	146	70	34.
PROJECT EXTERNAL (NET) VOLUMES	67	0	0	67	35	35	0	70	0	9	0	9	35	9	35	79
PROJECT PASS-BY VOLUMES	49	-49	0	0	0	1	0	1	-5	10	-5	0	50	11	0	63
2017 BACKGROUND + PROJECT	134	894	68	1,096	228	1,047	74	1,349	166	96	186	448	211	166	105	48

Appendix F: FDOT 2014 Peak Season Factor Category Report - Excerpt

(1 Sheet)

*15 04/06/2014 - 04/12/2014 0.88 1.00	MDD	DAMEC	C.P.	MOCF: 0.88	
1 01/01/2014 - 01/04/2014					
3 01/12/2014 - 01/18/2014 0.96 1.09 4 01/19/2014 - 01/25/2014 0.94 1.07 * 5 01/26/2014 - 02/01/2014 0.92 1.05 * 6 02/02/2014 - 02/08/2014 0.90 1.02 * 7 02/09/2014 - 02/15/2014 0.88 1.00 * 8 02/15/2014 - 03/12/2014 0.86 0.98 * 9 02/23/2014 - 03/01/2014 0.86 0.98 * 9 02/23/2014 - 03/01/2014 0.86 0.98 * 9 02/23/2014 - 03/01/2014 0.86 0.98 * 11 02/2014 - 03/01/2014 0.86 0.98 * 12 03/16/2014 - 03/22/2014 0.86 0.98 * 12 03/16/2014 - 03/22/2014 0.86 0.98 * 13 03/22/2014 - 03/22/2014 0.88 1.00 * 14 03/30/2014 - 04/05/2014 0.88 1.00 * 15 04/06/2014 - 04/05/2014 0.88 1.00 * 15 04/06/2014 - 04/12/2014 0.88 1.00 * 15 04/06/2014 - 04/12/2014 0.89 1.01 * 16 04/13/2014 - 04/26/2014 0.99 1.01 * 17 04/20/2014 - 05/20/2014 0.99 1.01 * 18 04/27/2014 - 05/03/2014 0.94 1.07 * 19 05/04/2014 0.5/10/2014 0.98 1.11 21 05/18/2014 - 05/10/2014 0.98 1.11 22 05/25/2014 - 05/10/2014 0.98 1.11 21 05/18/2014 - 05/10/2014 0.98 1.11 22 06/25/25/2014 - 05/10/2014 0.98 1.11 23 06/01/2014 - 06/10/2014 1.00 1.14 24 06/06/2014 - 06/10/2014 1.00 1.14 25 06/02/2014 - 06/03/2014 1.03 1.17 26 06/02/2014 - 06/03/2014 1.03 1.17 27 06/29/2014 - 06/28/2014 1.00 1.25 28 07/05/2014 - 06/2014 1.10 1.25 29 07/15/2014 - 06/28/2014 1.10 1.25 28 07/05/2014 - 07/15/2014 1.10 1.25 29 07/15/2014 - 08/02/2014 1.11 1.26 30 07/27/2014 - 08/02/2014 1.11 1.26 31 07/27/2014 - 08/02/2014 1.11 1.26 32 08/03/2014 - 08/03/2014 1.11 1.26 33 08/10/2014 - 08/03/2014 1.12 1.27 34 08/17/2014 - 08/02/2014 1.11 1.26 35 08/24/2014 - 08/03/2014 1.13 1.28 36 08/24/2014 - 08/03/2014 1.11 1.26 37 08/03/2014 - 08/03/2014 1.13 1.28 38 08/03/2014 - 08/03/2014 1.13 1.28 39 08/03/2014 - 08/03/2014 1.13 1.28 30 08/03/2014 - 08/03/2014 1.13 1.28 31 08/03/2014 - 10/18/2014 1.10 1.25 31 08/03/2014 - 10/18/2014 1.10 1.15 31 18/24/2014 - 10/18/2014 1.10 1.15 31 18/24/2014 - 10/18/2014 1.10 1.15 31 18/24/2014 - 10/18/2014 1.10 1.15 31 18/24/2014 - 10/18/2014 1.10 1.15 31 18/24/2014 - 10/18/2014 1.05 1.15 31 18/24/2014 - 10/18/2014 1.05 1.15 31 18/24/2014 - 10/18/2014 1.05 1.15 31 18/24/2014 - 10/18/2	1	01/01/2014 - 01/04/2014	1.00	1.14	
4 01/19/2014 - 01/25/2014 0.94 1.07 * 5 01/26/2014 - 02/08/2014 0.90 1.02 * 6 02/02/2014 - 02/08/2014 0.90 1.02 * 7 02/09/2014 - 02/15/2014 0.88 1.00 * 8 02/16/2014 - 02/25/2014 0.86 0.98 * 9 02/23/2014 - 03/08/2014 0.86 0.98 * 10 03/02/2014 - 03/08/2014 0.86 0.98 * 11 03/09/2014 - 03/15/2014 0.86 0.98 * 12 03/16/2014 - 03/25/2014 0.86 0.98 * 13 03/25/2014 - 03/25/2014 0.86 0.98 * 14 03/36/2014 - 03/25/2014 0.86 0.98 * 12 03/16/2014 - 03/25/2014 0.86 0.98 * 13 03/25/2014 - 03/25/2014 0.87 0.98 * 14 03/36/2014 - 04/26/2014 0.87 0.99 * 14 03/36/2014 - 04/26/2014 0.88 1.00 * 14 03/36/2014 - 04/26/2014 0.88 1.00 * 15 03/26/2014 - 04/26/2014 0.88 1.00 * 18 04/20/2014 - 04/26/2014 0.98 1.00 * 19 05/04/2014 - 05/10/2014 0.92 1.05 * 18 04/27/2014 - 05/10/2014 0.92 * 10 05/11/2014 - 05/10/2014 0.98 1.10 21 05/18/2014 - 05/10/2014 0.98 1.11 21 05/18/2014 - 05/10/2014 0.98 1.11 22 05/25/2014 - 06/25/2014 1.00 * 10 05/18/2014 - 06/31/2014 1.00 * 20 05/11/2014 - 06/31/2014 1.00 * 20 06/25/2014 - 06/31/2014 1.00 * 20 06/25/2014 - 06/31/2014 1.00 * 20 06/25/2014 - 06/26/2014 1.10 * 20 06/25/2014 - 06/26/2014 1.10 * 20 06/25/2014 - 06/28/2014 1.10 * 20 06/25/2014 - 06/28/2014 1.10 * 20 06/25/2014 - 06/28/2014 1.10 * 20 06/25/2014 - 06/28/2014 1.10 * 20 06/25/2014 - 06/28/2014 1.10 * 20 06/25/2014 - 06/28/2014 1.10 * 20 06/25/2014 - 06/28/2014 1.10 * 20 06/25/2014 - 06/28/2014 1.11 * 20 06/25/2014 - 06/28/2014 1.11 * 20 06/25/2014 - 06/28/2014 1.11 * 20 06/25/2014 - 06/28/2014 1.11 * 20 06/25/2014 - 06/28/2014 1.11 * 20 06/25/2014 - 08/25/2014 1.11 * 20 06/25/2014 - 08/25/2014 1.11 * 20 06/25/2014 - 08/25/2014 1.11 * 20 06/25/2014 - 08/25/2014 1.12 * 20 06/25/2014 - 08/25/2014 1.11 * 20 06/25/2014 - 08/25/2014 1.11 * 20 06/25/2014 - 08/25/2014 1.11 * 20 06/25/2014 - 10/25/2014 1.15 * 20 07/25/2014 - 10/25/2014 1.15 * 20 07/25/2014 - 10/25/2014 1.15 * 20 06/25/2014 - 10/25/2014 1.15 * 20 06/25/2014 - 10/25/2014 1.15 * 20 06/25/25/25/25/25/25/25/25/25/25/25/25/25/					
* 5 01/26/2014 - 02/08/2014 0.92 1.05 * 6 02/02/2014 0.2/08/2014 0.90 1.02 * 7 02/09/2014 0.2/15/2014 0.88 1.00 * 8 02/16/2014 - 03/08/2014 0.86 0.98 * 9 02/23/2014 - 03/08/2014 0.86 0.98 * 9 02/23/2014 - 03/08/2014 0.86 0.98 * 11 03/09/2014 - 03/15/2014 0.86 0.98 * 11 03/09/2014 - 03/15/2014 0.86 0.98 * 12 03/16/2014 - 03/22/2014 0.86 0.98 * 13 03/23/2014 - 03/22/2014 0.86 0.98 * 13 03/23/2014 - 03/22/2014 0.86 0.98 * 13 03/23/2014 - 03/22/2014 0.87 0.99 * 14 03/30/2014 - 03/22/2014 0.88 1.00 * 15 04/06/2014 - 04/15/2014 0.88 1.00 * 15 04/06/2014 - 04/15/2014 0.88 1.00 * 15 04/13/2014 - 04/15/2014 0.88 1.00 * 15 04/20/2014 - 04/15/2014 0.98 1.05 * 17 04/20/2014 - 04/15/2014 0.92 1.05 * 18 04/27/2014 - 05/10/2014 0.94 1.05 * 19 05/04/2014 - 05/10/2014 0.94 1.05 * 19 05/04/2014 - 05/10/2014 0.98 1.13 * 10 05/04/2014 - 05/10/2014 0.98 1.13 * 21 05/15/2014 - 05/17/2014 0.99 1.14 * 22 05/15/2014 - 05/17/2014 1.08 1.14 * 23 06/05/2014 - 06/14/2014 1.08 1.14 * 24 06/08/2014 - 06/14/2014 1.08 1.14 * 25 06/15/2014 - 06/21/2014 1.08 1.19 * 24 06/08/2014 - 06/14/2014 1.07 1.22 * 25 06/15/2014 - 06/21/2014 1.07 1.22 * 25 06/15/2014 - 06/21/2014 1.07 1.22 * 26 06/22/2014 - 06/21/2014 1.10 1.25 * 27 06/29/2014 - 06/21/2014 1.10 1.25 * 28 07/05/2014 - 06/21/2014 1.10 1.25 * 29 07/13/2014 - 07/05/2014 1.11 1.26 * 10 07/20/2014 - 07/05/2014 1.11 1.26 * 10 07/20/2014 - 08/03/2014 1.11 1.26 * 10 07/20/2014 - 08/03/2014 1.11 1.26 * 10 07/20/2014 - 08/03/2014 1.11 1.26 * 10 07/20/2014 - 08/03/2014 1.11 1.26 * 10 07/20/2014 - 08/05/2014 1.12 1.27 * 34 08/17/2014 - 08/03/2014 1.10 1.25 * 29 07/13/2014 - 08/03/2014 1.10 1.25 * 20 08/03/2014 - 08/05/2014 1.10 1.25 * 21 08/03/2014 - 08/05/2014 1.10 1.25 * 21 08/03/2014 - 08/05/2014 1.10 1.25 * 21 08/03/2014 - 08/05/2014 1.10 1.25 * 21 08/03/2014 - 08/05/2014 1.10 1.25 * 21 08/03/2014 - 08/05/2014 1.10 1.25 * 21 08/03/2014 - 10/05/2014 1.10 1.15 * 21 12/14/2014 - 10/05/2014 1.10 1.15 * 21 12/14/2014 - 10/05/2014 1.10 1.15 * 21 12/14/2014 - 10/05/2014 1.10 1.15 * 21 12/14/2014 - 10/05/20					
* 7 02/09/2014 - 02/15/2014 0.88 1.00 * 8 02/16/2014 - 03/01/2014 0.86 0.98 * 9 02/23/2014 - 03/08/2014 0.86 0.98 * 9 02/23/2014 - 03/08/2014 0.86 0.98 * 110 03/09/2014 - 03/15/2014 0.86 0.98 * 111 03/09/2014 - 03/15/2014 0.86 0.98 * 112 03/16/2014 - 03/22/2014 0.86 0.98 * 113 03/23/2014 - 03/22/2014 0.87 0.99 * 114 03/30/2014 - 03/22/2014 0.88 0.98 * 115 04/06/2014 - 04/05/2014 0.88 1.00 * 15 04/06/2014 - 04/15/2014 0.88 1.00 * 15 04/13/2014 - 04/15/2014 0.88 1.00 * 15 04/13/2014 - 04/15/2014 0.88 1.00 * 15 04/13/2014 - 04/15/2014 0.98 1.05 * 17 04/20/2014 - 04/26/2014 0.92 1.05 * 18 04/27/2014 - 05/03/2014 0.94 1.07 * 19 05/04/2014 - 05/13/2014 0.98 1.11 * 10 05/04/2014 - 05/14/2014 0.98 1.11 * 11 05/16/2014 - 05/14/2014 1.09 1.14 * 12 05/16/2014 - 05/31/2014 1.09 1.14 * 12 05/16/2014 - 06/31/2014 1.09 1.14 * 12 05/16/2014 - 06/31/2014 1.09 1.14 * 12 05/16/2014 - 06/31/2014 1.09 1.14 * 12 05/16/2014 - 06/31/2014 1.09 1.14 * 12 05/16/2014 - 06/31/2014 1.09 1.24 * 12 05/16/2014 - 06/21/2014 1.09 1.24 * 12 05/25/2014 - 06/21/2014 1.09 1.24 * 12 05/25/2014 - 06/21/2014 1.09 1.25 * 12 05/2014 - 06/21/2014 1.10 1.25 * 12 05/2014 - 06/21/2014 1.10 1.25 * 13 05/05/2014 - 06/21/2014 1.10 1.25 * 13 05/05/2014 - 06/21/2014 1.10 1.25 * 13 05/05/2014 - 06/21/2014 1.10 1.25 * 13 05/05/2014 - 06/21/2014 1.10 1.25 * 13 05/05/2014 - 06/21/2014 1.11 1.26 * 10 07/20/2014 - 07/05/2014 1.11 1.26 * 10 07/20/2014 - 07/05/2014 1.11 1.26 * 10 07/20/2014 - 08/03/2014 1.11 1.26 * 10 07/20/2014 - 08/03/2014 1.11 1.26 * 10 07/20/2014 - 08/03/2014 1.13 1.28 * 10 08/31/2014 - 08/03/2014 1.13 1.28 * 10 08/31/2014 - 08/03/2014 1.10 1.25 * 10 08/31/2014 - 08/03/2014 1.10 1.25 * 10 08/31/2014 - 09/05/2014 1.11 1.26 * 11 07/2014 - 08/03/2014 1.13 1.28 * 15 08/24/2014 - 09/05/2014 1.13 1.29 * 10 09/28/2014 - 10/05/2014 1.10 1.15 * 11 12/14/2014 - 10/18/2014 1.05 * 11 12/14/2014 - 10/18/2014 1.05 * 11 12/14/2014 - 10/18/2014 1.05 * 11 12/14/2014 - 10/18/2014 1.05 * 11 12/14/2014 - 10/18/2014 1.05 * 11 12/14/2014 - 11/15/2014 1.00 * 1.14 * 10 12/2	* 5		0.92		
* 8 02/16/2014 - 02/22/2014 0.86 0.98 * 9 02/3/2014 - 03/01/2014 0.86 0.98 *10 03/02/2014 - 03/15/2014 0.86 0.98 *11 03/09/2014 - 03/15/2014 0.86 0.98 *12 03/16/2014 - 03/15/2014 0.86 0.98 *13 03/23/2014 - 03/29/2014 0.87 0.99 *14 03/33/2014 - 04/12/2014 0.88 1.00 *15 04/06/2014 - 04/12/2014 0.88 1.00 *16 04/13/2014 - 04/12/2014 0.89 1.01 *17 04/20/2014 - 04/26/2014 0.92 1.05 *18 04/27/2014 - 05/03/2014 0.94 1.07 *19 05/04/2014 - 05/10/2014 0.98 1.11 *10 10 11 11 11 11 11 11 11 11 12 11 12 11 12 12					
* 9 02/23/2014 - 03/01/2014 0.86 0.98 *10 03/02/2014 - 03/08/2014 0.86 0.98 *11 03/09/2014 - 03/15/2014 0.86 0.98 *12 03/16/2014 - 03/22/2014 0.87 0.99 *13 03/23/2014 - 03/22/2014 0.87 0.99 *14 03/05/2014 - 04/05/2014 0.88 1.00 *15 04/06/2014 - 04/12/2014 0.88 1.00 *15 04/06/2014 - 04/12/2014 0.88 1.00 *16 04/13/2014 - 04/12/2014 0.89 1.01 *17 04/20/2014 - 05/03/2014 0.92 1.05 *18 04/27/2014 - 05/03/2014 0.92 1.05 *18 04/27/2014 - 05/03/2014 0.99 1.07 *19 05/04/2014 - 05/10/2014 0.96 1.09 20 05/11/2014 - 05/10/2014 0.98 1.11 21 05/18/2014 - 05/13/2014 1.00 1.14 22 05/25/2014 - 05/31/2014 1.00 1.14 22 05/25/2014 - 06/21/2014 1.05 1.19 24 06/08/2014 - 06/14/2014 1.05 1.19 24 06/08/2014 - 06/14/2014 1.05 1.25 25 06/15/2014 - 06/21/2014 1.09 1.24 26 06/22/2014 - 06/21/2014 1.10 1.25 27 06/29/2014 - 06/28/2014 1.10 1.25 28 07/05/2014 - 06/28/2014 1.10 1.25 28 07/05/2014 - 06/28/2014 1.10 1.25 28 07/05/2014 - 06/28/2014 1.10 1.25 28 07/05/2014 - 06/28/2014 1.11 1.26 30 07/27/2014 - 08/20/2014 1.11 1.26 31 07/27/2014 - 08/20/2014 1.12 1.27 33 08/10/2014 - 07/26/2014 1.12 1.27 34 08/17/2014 - 08/09/2014 1.12 1.27 35 08/24/2014 - 08/09/2014 1.12 1.27 36 08/24/2014 - 08/09/2014 1.12 1.27 37 09/07/2014 - 08/09/2014 1.12 1.27 38 08/10/2014 - 08/09/2014 1.12 1.27 39 08/3/2014 - 08/09/2014 1.12 1.27 30 08/24/2014 - 08/09/2014 1.12 1.27 31 08/17/2014 - 08/09/2014 1.12 1.27 32 08/03/2014 - 08/09/2014 1.12 1.27 34 08/17/2014 - 08/20/2014 1.12 1.27 35 08/24/2014 - 08/20/2014 1.16 1.32 37 09/07/2014 - 09/20/2014 1.16 1.32 38 09/14/2014 - 08/20/2014 1.19 1.10 1.26 41 10/05/2014 - 10/12/2014 1.10 1.15 42 10/12/2014 - 10/12/2014 1.15 1.15 43 09/14/2014 - 10/25/2014 1.16 1.15 44 10/05/2014 - 10/12/2014 1.16 1.15 51 12/14/2014 - 10/05/2014 1.17 1.15 51 12/14/2014 - 10/05/2014 1.00 1.16 51 12/14/2014 - 11/26/2014 1.00 1.16 51 12/14/2014 - 11/26/2014 1.00 1.16 51 12/14/2014 - 11/26/2014 1.00 1.16 51 12/14/2014 - 11/26/2014 1.00 1.16 51 12/14/2014 - 12/37/2014 0.96 51 12/14/2014 - 12/37/2014 0.96 51 12/14/2014 - 12/37/2014 0.96 51 12/14/					
*10 03/02/2014 - 03/15/2014 0.86 0.98 *11 03/09/2014 - 03/15/2014 0.86 0.98 *12 03/16/2014 - 03/29/2014 0.86 0.98 *13 03/3/2014 - 04/05/2014 0.88 1.00 *14 03/30/2014 - 04/15/2014 0.88 1.00 *15 04/06/2014 - 04/12/2014 0.89 1.01 *16 04/13/2014 - 04/19/2014 0.89 1.01 *17 04/20/2014 - 04/25/2014 0.92 1.05 *18 04/27/2014 - 05/03/2014 0.94 1.07 *19 05/04/2014 - 05/10/2014 0.98 1.11 *20 05/11/2014 - 05/10/2014 0.98 1.11 *21 05/15/2014 - 05/17/2014 0.98 1.11 *22 05/25/2014 - 05/13/2014 1.00 1.14 *22 05/25/2014 - 05/13/2014 1.03 1.17 *23 06/01/2014 - 06/14/2014 1.05 1.19 *24 06/08/2014 - 06/14/2014 1.07 1.22 *25 06/15/2014 - 06/14/2014 1.07 1.22 *25 06/15/2014 - 06/14/2014 1.07 1.22 *26 06/22/2014 - 06/21/2014 1.09 1.24 *27 06/29/2014 - 06/21/2014 1.10 1.25 *28 07/05/2014 - 06/21/2014 1.10 1.25 *29 07/13/2014 - 07/12/2014 1.10 1.25 *20 07/13/2014 - 07/12/2014 1.11 1.26 *30 07/20/2014 - 07/12/2014 1.11 1.26 *30 07/20/2014 - 07/12/2014 1.11 1.26 *30 07/20/2014 - 07/12/2014 1.11 1.26 *30 07/20/2014 - 07/26/2014 1.12 1.27 *33 08/10/2014 - 08/16/2014 1.12 1.27 *33 08/10/2014 - 08/16/2014 1.12 1.27 *34 08/17/2014 - 08/02/2014 1.12 1.27 *35 08/24/2014 - 08/02/2014 1.12 1.27 *36 08/24/2014 - 08/02/2014 1.12 1.27 *37 09/07/2014 - 08/02/2014 1.12 1.27 *38 08/10/2014 - 08/02/2014 1.12 1.27 *39 09/21/2014 - 08/02/2014 1.12 1.27 *30 08/20/2014 - 08/02/2014 1.12 1.27 *30 08/20/2014 - 08/02/2014 1.12 1.27 *31 08/10/2014 - 08/02/2014 1.12 1.27 *32 08/03/2014 - 08/02/2014 1.13 1.26 *39 09/21/2014 - 08/02/2014 1.16 1.32 *30 09/20/2014 - 08/02/2014 1.16 1.32 *31 09/07/2014 - 09/05/2014 1.16 1.20 *31 09/07/2014 - 09/05/2014 1.16 1.32 *34 08/11/2014 - 08/02/2014 1.17 *30 09/28/2014 - 10/11/2014 1.08 1.25 *30 09/21/2014 - 10/11/2014 1.01 1.15 *30 09/21/2014 - 10/11/2014 1.01 1.15 *30 09/21/2014 - 10/11/2014 1.01 1.15 *31 12/14/2014 - 10/04/2014 1.10 1.15 *31 12/14/2014 - 10/04/2014 1.00 1.14 *41 11/16/2014 - 11/22/2014 1.00 1.14 *41 11/16/2014 - 11/21/2014 1.00 1.14 *51 12/14/2014 - 12/23/2014 1.00 1.14 *51 12/14/2014 - 12/23/2014 1.00 1.10					
*12 03/16/2014 - 03/22/2014 0.86 0.98 *13 03/23/2014 - 03/29/2014 0.87 0.99 *14 03/30/2014 - 04/12/2014 0.88 1.00 *15 04/06/2014 - 04/12/2014 0.88 1.00 *16 04/13/2014 - 04/12/2014 0.88 1.00 *16 04/13/2014 - 04/19/2014 0.89 1.01 *17 04/20/2014 - 05/10/2014 0.99 1.05 *18 04/27/2014 - 05/10/2014 0.94 1.07 *19 05/04/2014 - 05/10/2014 0.98 1.10 *20 05/11/2014 - 05/10/2014 0.98 1.11 *21 05/18/2014 - 05/21/2014 1.00 1.14 *22 05/35/2014 - 05/31/2014 1.00 1.14 *22 05/35/2014 - 06/04/2014 1.00 1.14 *23 06/01/2014 - 06/01/2014 1.05 1.19 *24 06/08/2014 - 06/01/2014 1.05 1.19 *25 06/12/2014 - 06/23/2014 1.07 1.22 *25 06/12/2014 - 06/28/2014 1.00 1.25 *27 06/29/2014 - 07/12/2014 1.10 1.25 *28 07/13/2014 - 07/12/2014 1.10 1.25 *29 07/13/2014 - 07/12/2014 1.11 1.26 *29 07/13/2014 - 07/19/2014 1.11 1.26 *30 07/20/2014 - 07/19/2014 1.11 1.26 *30 07/20/2014 - 07/19/2014 1.11 1.26 *31 07/27/2014 - 08/23/2014 1.12 1.27 *33 08/10/2014 - 08/03/2014 1.12 1.27 *34 08/17/2014 - 08/03/2014 1.12 1.27 *35 08/3/2014 - 08/03/2014 1.12 1.27 *36 08/3/2014 - 08/03/2014 1.12 1.27 *37 09/07/2014 - 08/03/2014 1.12 1.27 *38 08/10/2014 - 08/30/2014 1.12 1.27 *39 09/21/2014 - 09/05/2014 1.12 1.27 *30 08/202014 - 09/05/2014 1.12 1.27 *30 08/10/2014 - 08/20/2014 1.12 1.27 *30 08/3/2014 - 08/20/2014 1.12 1.27 *30 08/3/2014 - 08/20/2014 1.12 1.27 *31 08/03/2014 - 08/20/2014 1.12 1.27 *32 08/03/2014 - 08/03/2014 1.13 1.28 *39 09/21/2014 - 09/05/2014 1.14 1.30 *30 09/20/2014 - 09/05/2014 1.16 1.32 *30 09/07/2014 - 09/05/2014 1.16 1.32 *30 09/07/2014 - 09/05/2014 1.16 1.32 *30 09/07/2014 - 09/05/2014 1.16 1.20 *31 09/07/2014 - 09/05/2014 1.16 1.30 *32 08/03/2014 - 10/08/2014 1.16 1.32 *30 09/07/2014 - 09/05/2014 1.16 1.16 1.32 *30 09/07/2014 - 09/05/2014 1.16 1.16 1.32 *30 09/07/2014 - 09/05/2014 1.16 1.16 1.20 *40 09/28/2014 - 10/08/2014 1.16 1.16 1.20 *41 10/05/2014 - 10/18/2014 1.05 1.19 *42 11/16/2014 - 11/16/2014 1.16 1.15 1.15 *51 12/14/2014 - 12/20/2014 1.00 1.16 *51 12/07/2014 - 12/13/2014 1.00 1.16 *51 12/07/2014 - 12/13/2014 1.00 1.16 *51 12/07/20	*10	03/02/2014 - 03/08/2014	0.86	0.98	
*13 03/23/2014 - 03/29/2014 0.87 0.99 *14 03/30/2014 - 04/05/2014 0.88 1.00 *15 04/06/2014 - 04/12/2014 0.88 1.00 *15 04/06/2014 - 04/12/2014 0.88 1.00 *16 04/13/2014 - 04/19/2014 0.89 1.01 *17 04/20/2014 - 05/03/2014 0.92 1.05 *18 04/27/2014 - 05/03/2014 0.92 1.05 *19 05/04/2014 - 05/10/2014 0.96 1.09 20 05/11/2014 - 05/10/2014 0.98 1.11 21 05/18/2014 - 05/12/2014 1.00 1.14 22 05/25/2014 - 05/31/2014 1.00 1.14 22 05/25/2014 - 06/07/2014 1.00 1.14 22 05/25/2014 - 06/07/2014 1.05 1.19 24 06/08/2014 - 06/07/2014 1.05 1.19 25 06/15/2014 - 06/21/2014 1.07 1.22 26 06/22/2014 - 06/28/2014 1.10 1.25 27 06/29/2014 - 07/05/2014 1.10 1.25 28 07/06/2014 - 07/05/2014 1.11 1.26 29 07/13/2014 - 07/12/2014 1.11 1.26 30 07/20/2014 - 07/05/2014 1.11 1.26 30 07/20/2014 - 07/05/2014 1.11 1.26 30 07/20/2014 - 07/05/2014 1.11 1.26 31 07/27/2014 - 08/02/2014 1.12 1.27 32 08/03/2014 - 08/09/2014 1.12 1.27 33 08/03/2014 - 08/09/2014 1.12 1.27 34 08/17/2014 - 08/23/2014 1.12 1.27 34 08/17/2014 - 08/23/2014 1.12 1.27 35 08/31/2014 - 08/23/2014 1.12 1.27 36 08/31/2014 - 08/06/2014 1.11 1.286 37 09/07/2014 - 08/06/2014 1.12 1.27 39 09/12/2014 - 08/06/2014 1.10 1.28 30 09/12/2014 - 08/06/2014 1.10 1.29 31 09/2014 - 08/06/2014 1.12 1.27 34 08/17/2014 - 08/02/2014 1.12 1.27 39 08/31/2014 - 08/06/2014 1.12 1.27 30 08/31/2014 - 08/06/2014 1.10 1.28 31 09/12/2014 - 10/04/2014 1.10 1.28 32 08/31/2014 - 08/06/2014 1.10 1.29 33 08/10/2014 - 10/04/2014 1.16 1.32 34 09/12/2014 - 10/04/2014 1.16 1.32 35 08/24/2014 - 10/04/2014 1.00 1.36 36 08/31/2014 - 10/04/2014 1.00 1.16 37 09/07/2014 - 10/18/2014 1.00 1.16 38 09/14/2014 - 10/20/20/2014 1.16 1.30 39 09/21/2014 - 10/04/2014 1.01 1.15 50 12/07/2014 - 10/18/2014 1.00 1.16 51 12/07/2014 - 10/18/2014 1.00 1.16 51 12/07/2014 - 10/08/2014 1.00 1.16 51 12/07/2014 - 10/08/2014 1.00 1.16 51 12/07/2014 - 11/08/2014 1.00 1.16 51 12/07/2014 - 11/08/2014 1.00 1.16 51 12/14/2014 - 11/26/2014 1.00 1.16 51 12/14/2014 - 12/21/2014 1.00 1.16 52 12/21/2014 - 12/31/2014 0.96 51 1.09					
*14 03/30/2014 - 04/05/2014					
*16 04/13/2014 - 04/19/2014 0.89 1.01 *17 04/20/2014 - 04/26/2014 0.92 1.05 18 04/20/2014 - 05/03/2014 0.94 1.07 19 05/04/2014 - 05/10/2014 0.96 1.09 20 05/11/2014 - 05/17/2014 0.98 1.11 21 05/18/2014 - 05/24/2014 1.00 1.14 22 05/25/2014 - 05/31/2014 1.00 1.14 23 06/01/2014 - 06/14/2014 1.05 1.19 24 06/08/2014 - 06/14/2014 1.07 1.22 25 06/15/2014 - 06/21/2014 1.09 1.24 26 06/22/2014 - 06/21/2014 1.09 1.25 27 06/29/2014 - 07/25/2014 1.10 1.25 28 07/13/2014 - 07/25/2014 1.11 1.26 29 07/13/2014 - 07/25/2014 1.11 1.26 30 07/20/2014 - 07/25/2014 1.11 1.26 31 07/27/2014 - 08/02/2014 1.11 1.26 31 07/27/2014 - 08/02/2014 1.12 1.27 32 08/03/2014 - 08/02/2014 1.12 1.27 33 08/10/2014 - 08/02/2014 1.12 1.27 34 08/17/2014 - 08/20/2014 1.12 1.27 37 08/23/2014 - 08/02/2014 1.12 1.27 38 08/03/2014 - 08/03/2014 1.12 1.27 39 08/03/2014 - 08/03/2014 1.12 1.27 31 08/10/2014 - 08/05/2014 1.12 1.27 32 08/03/2014 - 08/05/2014 1.12 1.27 31 08/10/2014 - 08/05/2014 1.12 1.27 32 08/03/2014 - 08/05/2014 1.12 1.27 31 08/10/2014 - 08/05/2014 1.12 1.27 32 08/03/2014 - 08/05/2014 1.13 1.28 35 08/24/2014 - 08/35/2014 1.14 1.30 36 08/31/2014 - 09/06/2014 1.16 1.32 37 09/07/2014 - 09/06/2014 1.16 1.32 39 09/21/2014 - 09/32/2014 1.18 1.34 39 09/21/2014 - 09/32/2014 1.19 1.19 40 10/5/2014 - 10/11/2014 1.08 1.26 41 10/05/2014 - 10/11/2014 1.08 1.23 41 10/15/2014 - 10/11/2014 1.08 1.23 42 10/12/2014 - 10/12/2014 1.09 1.25 44 10/26/2014 - 11/08/2014 1.08 1.23 45 11/23/2014 - 11/22/2014 1.09 1.15 46 11/09/2014 - 11/22/2014 1.00 1.15 50 12/07/2014 - 12/07/2014 1.00 1.15 51 12/14/2014 - 12/21/2014 1.09 1.15 51 12/14/2014 - 12/21/2014 1.09 1.15 51 12/14/2014 - 12/21/2014 1.09 1.15 51 12/14/2014 - 12/21/2014 1.09 1.15 51 12/14/2014 - 12/21/2014 1.09 1.15 51 12/14/2014 - 12/21/2014 1.09 1.15 51 12/14/2014 - 12/21/2014 1.09 1.15 51 12/14/2014 - 12/21/2014 1.09 1.10 52 12/21/2014 - 12/21/2014 1.09 1.10 52 12/21/2014 - 12/21/2014 1.09 6 1.09					
*17 04/20/2014 - 04/26/2014 0.92					
18 04/27/2014 - 05/03/2014 0.94 1.07 19 05/04/2014 - 05/10/2014 0.96 1.09 20 05/11/2014 - 05/17/2014 0.98 1.11 21 05/18/2014 - 05/24/2014 1.00 1.14 22 05/25/2014 - 05/31/2014 1.03 1.17 23 06/01/2014 - 06/07/2014 1.05 1.19 24 06/08/2014 - 06/07/2014 1.05 1.19 25 06/15/2014 - 06/21/2014 1.09 1.24 26 06/22/2014 - 06/28/2014 1.10 1.25 27 06/29/2014 - 07/05/2014 1.10 1.25 28 07/06/2014 - 07/12/2014 1.11 1.26 29 07/13/2014 - 07/19/2014 1.11 1.26 30 07/20/2014 - 07/26/2014 1.11 1.26 31 07/27/2014 - 08/02/2014 1.11 1.26 31 07/27/2014 - 08/09/2014 1.12 1.27 32 08/03/2014 - 08/09/2014 1.12 1.27 33 08/10/2014 - 08/09/2014 1.12 1.27 34 08/17/2014 - 08/09/2014 1.12 1.27 35 08/24/2014 - 08/09/2014 1.12 1.27 36 08/31/2014 - 09/06/2014 1.13 1.28 37 08/07/2014 - 09/13/2014 1.16 1.32 38 08/14/2014 - 09/13/2014 1.18 1.34 39 09/21/2014 - 09/13/2014 1.19 1.36 39 09/21/2014 - 09/27/2014 1.10 1.36 39 09/21/2014 - 09/27/2014 1.10 1.26 41 10/05/2014 - 10/01/2014 1.11 1.26 42 10/12/2014 - 10/01/2014 1.16 1.32 37 09/07/2014 - 09/13/2014 1.18 1.34 38 09/14/2014 - 09/20/2014 1.10 1.36 39 09/21/2014 - 10/01/2014 1.10 1.26 41 10/05/2014 - 10/01/2014 1.11 1.26 42 10/12/2014 - 10/01/2014 1.10 1.20 43 10/19/2014 - 10/05/2014 1.10 1.20 44 10/26/2014 - 11/08/2014 1.00 1.36 45 11/09/2014 - 10/05/2014 1.00 1.06 46 11/09/2014 - 11/05/2014 1.00 1.15 47 11/16/2014 - 11/05/2014 1.00 1.15 48 11/23/2014 - 11/09/2014 1.00 1.15 50 12/07/2014 - 12/03/2014 1.00 1.15 51 12/14/2014 - 12/20/2014 1.00 1.15 51 12/14/2014 - 12/20/2014 1.00 1.15 51 12/14/2014 - 12/20/2014 1.00 1.15 51 12/14/2014 - 12/20/2014 1.00 1.15 51 12/14/2014 - 12/31/2014 0.96 51 1.09					
199 05/04/2014 - 05/10/2014 0.98 1.09 20 05/11/2014 - 05/17/2014 0.98 1.11 21 05/18/2014 - 05/24/2014 1.00 1.14 22 05/25/2014 - 05/31/2014 1.03 1.17 23 06/01/2014 - 06/07/2014 1.05 1.19 24 06/08/2014 - 06/14/2014 1.07 1.22 25 06/15/2014 - 06/21/2014 1.09 1.24 26 06/22/2014 - 06/28/2014 1.10 1.25 27 06/29/2014 - 07/05/2014 1.10 1.25 28 07/06/2014 - 07/12/2014 1.11 1.26 29 07/13/2014 - 07/12/2014 1.11 1.26 30 07/20/2014 - 07/26/2014 1.11 1.26 30 07/20/2014 - 07/26/2014 1.11 1.26 31 07/27/2014 - 08/02/2014 1.11 1.26 32 08/03/2014 - 08/02/2014 1.12 1.27 33 08/10/2014 - 08/02/2014 1.12 1.27 34 08/17/2014 - 08/02/2014 1.12 1.27 35 08/03/2014 - 08/16/2014 1.12 1.27 36 08/03/2014 - 08/16/2014 1.12 1.27 37 09/07/2014 - 08/30/2014 1.13 1.28 38 09/14/2014 - 08/30/2014 1.14 1.30 39 09/21/2014 - 09/05/2014 1.16 1.32 37 09/07/2014 - 09/05/2014 1.18 1.34 38 09/14/2014 - 09/05/2014 1.19 1.36 39 09/21/2014 - 09/27/2014 1.10 1.26 39 09/21/2014 - 09/27/2014 1.10 1.36 39 09/21/2014 - 09/27/2014 1.10 1.26 40 10/26/2014 - 10/18/2014 1.10 1.26 41 10/05/2014 - 10/18/2014 1.10 1.26 42 10/12/2014 - 10/18/2014 1.10 1.26 43 10/12/2014 - 10/18/2014 1.08 1.23 44 10/26/2014 - 11/01/2014 1.11 1.26 45 11/09/2014 - 11/01/2014 1.11 1.26 46 11/09/2014 - 11/01/2014 1.11 1.15 50 12/07/2014 - 12/31/2014 1.06 1.20 47 11/16/2014 - 11/22/2014 1.00 1.16 48 11/23/2014 - 11/01/2014 1.06 1.20 49 11/30/2014 - 11/01/2014 1.06 1.20 40 11/30/2014 - 11/01/2014 1.06 1.20 41 11/16/2014 - 11/01/2014 1.06 1.20 42 10/12/2014 - 11/01/2014 1.06 1.20 43 10/12/2014 - 11/01/2014 1.06 1.20 44 10/26/2014 - 11/01/2014 1.06 1.15 50 12/07/2014 - 12/20/2014 1.00 1.16 51 12/14/2014 - 12/20/2014 1.00 1.16 52 12/21/2014 - 12/21/2014 1.00 1.15 53 12/28/2014 - 12/31/2014 0.96 51 12/07/2014 - 12/31/2014 0.96 51 12/07/2014 - 12/31/2014 0.96 51 12/07/2014 - 12/31/2014 0.96 51 12/07/2014 - 12/31/2014 0.96 51 12/07/2014 - 12/31/2014 0.96 51 12/07/2014 - 12/31/2014 0.96 51 1.09			0.94		
21 05/18/2014 - 05/24/2014 1.00 1.14 22 05/25/2014 - 05/31/2014 1.03 1.17 23 06/01/2014 - 06/14/2014 1.05 1.19 24 06/08/2014 - 06/12/2014 1.07 1.22 25 06/15/2014 - 06/23/2014 1.00 1.24 26 06/22/2014 - 06/28/2014 1.10 1.25 27 06/29/2014 - 07/12/2014 1.11 1.25 28 07/06/2014 - 07/12/2014 1.11 1.26 29 07/13/2014 - 07/19/2014 1.11 1.26 30 07/20/2014 - 08/22/2014 1.11 1.26 31 07/27/2014 - 08/02/2014 1.12 1.27 32 08/03/2014 - 08/02/2014 1.12 1.27 33 08/10/2014 - 08/22/2014 1.12 1.27 34 08/17/2014 - 08/16/2014 1.12 1.27 35 08/24/2014 - 08/16/2014 1.13 1.28 35 08/24/2014 - 08/30/2014 1.14 1.30 36 08/31/2014 - 09/06/2014 1.16 1.32 37 09/07/2014 - 09/20/2014 1.18 1.34 38 09/14/2014 - 09/20/2014 1.18 1.34 38 09/14/2014 - 09/20/2014 1.19 1.36 39 09/21/2014 - 09/20/2014 1.19 1.33 40 09/28/2014 - 10/04/2014 1.11 1.20 1.36 39 09/21/2014 - 10/11/2014 1.11 1.26 41 10/05/2014 - 10/11/2014 1.17 1.33 40 09/28/2014 - 10/04/2014 1.19 1.10 1.26 41 10/26/2014 - 11/18/2014 1.08 1.23 43 10/19/2014 - 10/11/2014 1.09 1.20 45 11/02/2014 - 11/18/2014 1.09 1.20 46 11/09/2014 - 11/18/2014 1.09 1.20 47 11/16/2014 - 11/18/2014 1.05 1.19 48 11/23/2014 - 11/22/2014 1.00 1.15 50 12/07/2014 - 12/35/2014 1.00 1.15 51 12/14/2014 - 12/35/2014 1.00 1.15 51 12/14/2014 - 12/35/2014 1.00 1.15 51 12/14/2014 - 12/35/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.99 1.09		05/04/2014 - 05/10/2014			
22 05/25/2014 - 05/31/2014 1.03 1.17 23 06/01/2014 - 06/07/2014 1.05 1.19 24 06/08/2014 - 06/14/2014 1.07 1.22 25 06/15/2014 - 06/21/2014 1.09 1.24 26 06/22/2014 - 06/28/2014 1.10 1.25 27 06/29/2014 - 07/05/2014 1.10 1.25 28 07/06/2014 - 07/19/2014 1.11 1.26 29 07/13/2014 - 07/19/2014 1.11 1.26 30 07/20/2014 - 07/26/2014 1.11 1.26 31 07/27/2014 - 08/09/2014 1.12 1.27 32 08/03/2014 - 08/09/2014 1.12 1.27 33 08/10/2014 - 08/09/2014 1.12 1.27 34 08/17/2014 - 08/23/2014 1.12 1.27 35 08/24/2014 - 08/30/2014 1.13 1.28 35 08/24/2014 - 08/30/2014 1.14 1.30 36 08/31/2014 - 09/33/2014 1.16 1.32 37 09/07/2014 - 09/13/2014 1.16 1.32 37 09/07/2014 - 09/13/2014 1.18 1.34 38 09/14/2014 - 09/20/2014 1.20 1.36 39 09/21/2014 - 09/27/2014 1.17 1.33 40 09/28/2014 - 10/04/2014 1.17 1.33 40 09/28/2014 - 10/04/2014 1.11 1.26 41 10/05/2014 - 10/18/2014 1.08 1.23 43 10/19/2014 - 10/18/2014 1.08 1.23 43 10/19/2014 - 10/18/2014 1.08 1.23 44 10/26/2014 - 11/08/2014 1.07 1.22 45 11/02/2014 - 11/08/2014 1.05 1.19 46 11/09/2014 - 11/15/2014 1.06 1.20 47 11/16/2014 - 11/22/2014 1.07 1.25 50 12/07/2014 - 11/22/2014 1.05 1.19 41 11/09/2014 - 11/22/2014 1.05 1.19 42 11/16/2014 - 11/22/2014 1.05 1.19 43 11/16/2014 - 11/22/2014 1.05 1.19 44 11/09/2014 - 11/22/2014 1.05 1.19 45 11/09/2014 - 11/22/2014 1.05 1.19 46 11/09/2014 - 11/22/2014 1.05 1.19 47 11/16/2014 - 11/22/2014 1.05 1.19 48 11/23/2014 - 11/22/2014 1.00 1.15 50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/213/2014 1.00 1.14 52 12/21/2014 - 12/213/2014 0.98 1.11 53 12/28/2014 - 12/21/2014 0.98 1.11					
23 06/01/2014 - 06/07/2014 1.05 1.19 24 06/08/2014 - 06/14/2014 1.07 1.22 25 06/15/2014 - 06/28/2014 1.09 1.24 26 06/22/2014 - 07/05/2014 1.10 1.25 27 06/29/2014 - 07/05/2014 1.10 1.25 28 07/06/2014 - 07/12/2014 1.11 1.26 29 07/13/2014 - 07/19/2014 1.11 1.26 30 07/20/2014 - 07/26/2014 1.11 1.26 31 07/27/2014 - 08/02/2014 1.12 1.27 32 08/03/2014 - 08/09/2014 1.12 1.27 33 08/10/2014 - 08/16/2014 1.12 1.27 34 08/17/2014 - 08/33/2014 1.13 1.28 35 08/24/2014 - 08/33/2014 1.13 1.28 35 08/24/2014 - 08/30/2014 1.14 1.30 36 08/31/2014 - 08/30/2014 1.16 1.32 37 09/07/2014 - 09/13/2014 1.18 1.34 38 09/14/2014 - 09/20/2014 1.18 1.34 39 09/21/2014 - 09/20/2014 1.17 1.33 40 09/28/2014 - 10/04/2014 1.17 1.33 40 09/28/2014 - 10/04/2014 1.17 1.33 41 10/05/2014 - 10/18/2014 1.11 1.20 41 10/05/2014 - 10/18/2014 1.08 1.20 41 10/05/2014 - 10/18/2014 1.08 1.23 43 10/19/2014 - 10/18/2014 1.08 1.23 43 10/19/2014 - 10/18/2014 1.08 1.23 44 10/26/2014 - 11/08/2014 1.08 1.23 45 11/02/2014 - 11/08/2014 1.05 1.19 46 11/09/2014 - 11/08/2014 1.05 1.19 46 11/09/2014 - 11/08/2014 1.05 1.19 47 11/16/2014 - 11/22/2014 1.00 1.15 50 12/07/2014 - 12/13/2014 1.00 1.15 51 12/14/2014 - 12/13/2014 1.00 1.15 51 12/14/2014 - 12/13/2014 0.98 1.11 53 12/28/2014 - 12/21/2014 0.98 1.11 53 12/28/2014 - 12/21/2014 0.98 1.11					
25		06/01/2014 - 06/07/2014			
26					
27					
29 07/13/2014 - 07/19/2014 1.11 1.26 30 07/20/2014 - 08/02/2014 1.11 1.26 31 07/27/2014 - 08/02/2014 1.12 1.27 32 08/03/2014 - 08/09/2014 1.12 1.27 33 08/10/2014 - 08/16/2014 1.12 1.27 34 08/17/2014 - 08/23/2014 1.13 1.28 35 08/24/2014 - 08/30/2014 1.14 1.30 36 08/31/2014 - 09/06/2014 1.16 1.32 37 09/07/2014 - 09/13/2014 1.18 1.34 38 09/14/2014 - 09/27/2014 1.20 1.36 39 09/21/2014 - 09/27/2014 1.20 1.36 39 09/21/2014 - 09/27/2014 1.17 1.33 40 09/28/2014 - 10/04/2014 1.14 1.30 41 10/05/2014 - 10/11/2014 1.11 1.26 42 10/12/2014 - 10/18/2014 1.08 1.23 43 10/19/2014 - 10/25/2014 1.07 1.22 44 10/26/2014 - 11/08/2014 1.06 1.20 45 11/02/2014 - 11/08/2014 1.05 1.19 46 11/09/2014 - 11/15/2014 1.05 1.19 46 11/09/2014 - 11/15/2014 1.04 1.18 47 11/16/2014 - 11/22/2014 1.04 1.18 47 11/16/2014 - 11/22/2014 1.03 1.17 48 11/23/2014 - 12/20/2014 1.00 1.16 49 11/30/2014 - 12/20/2014 1.01 1.15 50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/27/2014 0.98 1.11 52 12/21/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09 * PEAK SEASON		06/29/2014 - 07/05/2014	1.10	1.25	
30 07/20/2014 - 07/26/2014 1.11 1.26 31 07/27/2014 - 08/02/2014 1.12 1.27 32 08/03/2014 - 08/09/2014 1.12 1.27 33 08/10/2014 - 08/16/2014 1.12 1.27 34 08/17/2014 - 08/30/2014 1.13 1.28 35 08/24/2014 - 08/30/2014 1.14 1.30 36 08/31/2014 - 09/06/2014 1.16 1.32 37 09/07/2014 - 09/13/2014 1.18 1.34 38 09/14/2014 - 09/20/2014 1.18 1.36 39 09/21/2014 - 09/27/2014 1.17 1.33 40 09/28/2014 - 10/04/2014 1.14 1.30 41 10/05/2014 - 10/11/2014 1.11 1.26 42 10/12/2014 - 10/11/2014 1.11 1.26 43 10/19/2014 - 10/25/2014 1.07 1.22 44 10/26/2014 - 11/05/2014 1.07 1.22 45 11/02/2014 - 11/08/2014 1.06 1.20 45 11/02/2014 - 11/08/2014 1.06 1.20 46 11/09/2014 - 11/15/2014 1.05 1.19 46 11/09/2014 - 11/15/2014 1.04 1.18 47 11/16/2014 - 11/22/2014 1.00 1.16 49 11/30/2014 - 12/20/2014 1.01 1.15 50 12/07/2014 - 12/31/2014 1.00 1.14 52 12/21/2014 - 12/21/3014 0.98 1.11 53 12/28/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/27/2014 0.99 1.10					
31 07/27/2014 - 08/02/2014 1.12 1.27 32 08/03/2014 - 08/09/2014 1.12 1.27 33 08/10/2014 - 08/16/2014 1.12 1.27 34 08/17/2014 - 08/23/2014 1.13 1.28 35 08/24/2014 - 08/30/2014 1.14 1.30 36 08/31/2014 - 09/06/2014 1.16 1.32 37 09/07/2014 - 09/13/2014 1.20 1.36 38 09/14/2014 - 09/20/2014 1.20 1.36 39 09/21/2014 - 09/27/2014 1.17 1.33 40 09/28/2014 - 10/04/2014 1.14 1.30 41 10/05/2014 - 10/11/2014 1.11 1.26 42 10/12/2014 - 10/18/2014 1.08 1.23 43 10/19/2014 - 10/25/2014 1.07 1.22 44 10/26/2014 - 11/01/2014 1.06 1.20 45 11/02/2014 - 11/08/2014 1.06 1.20 46 11/09/2014 - 11/18/2014 1.05 1.19 46 11/09/2014 - 11/18/2014 1.05 1.19 46 11/09/2014 - 11/22/2014 1.03 1.17 48 11/23/2014 - 11/29/2014 1.02 1.16 49 11/30/2014 - 12/31/2014 1.01 1.15 50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/23/2014 1.00 1.14 52 12/21/2014 - 12/23/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09 * PEAK SEASON					
33			1.12		
34 08/17/2014 - 08/23/2014 1.13 1.28 35 08/24/2014 - 09/30/2014 1.14 1.30 36 08/31/2014 - 09/13/2014 1.16 1.32 37 09/07/2014 - 09/13/2014 1.18 1.34 38 09/14/2014 - 09/20/2014 1.20 1.36 39 09/21/2014 - 09/27/2014 1.17 1.33 40 09/28/2014 - 10/04/2014 1.14 1.30 41 10/05/2014 - 10/11/2014 1.11 1.26 42 10/12/2014 - 10/18/2014 1.08 1.23 43 10/19/2014 - 10/25/2014 1.07 1.22 44 10/26/2014 - 11/01/2014 1.06 1.20 45 11/02/2014 - 11/08/2014 1.05 1.19 46 11/09/2014 - 11/15/2014 1.05 1.19 47 11/16/2014 - 11/22/2014 1.03 1.17 48 11/23/2014 - 11/29/2014 1.03 1.17 48 11/23/2014 - 12/20/2014 1.03 1.17 49 11/30/2014 - 12/20/2014 1.01 1.15 50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/20/2014 1.00 1.14 52 12/21/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09					
35 08/24/2014 - 08/30/2014 1.14 1.30 36 08/31/2014 - 09/06/2014 1.16 1.32 37 09/07/2014 - 09/13/2014 1.20 1.36 38 09/14/2014 - 09/20/2014 1.20 1.36 39 09/21/2014 - 09/27/2014 1.17 1.33 40 09/28/2014 - 10/04/2014 1.11 1.26 41 10/05/2014 - 10/11/2014 1.11 1.26 42 10/12/2014 - 10/18/2014 1.08 1.23 43 10/19/2014 - 10/25/2014 1.07 1.22 44 10/26/2014 - 11/01/2014 1.06 1.20 45 11/02/2014 - 11/08/2014 1.05 1.19 46 11/09/2014 - 11/15/2014 1.05 1.19 47 11/16/2014 - 11/22/2014 1.03 1.17 48 11/23/2014 - 11/22/2014 1.03 1.17 48 11/23/2014 - 11/29/2014 1.02 1.16 49 11/30/2014 - 12/30/2014 1.01 1.15 50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/20/2014 1.00 1.14 52 12/21/2014 1.2/20/2014 1.00 1.14 53 12/28/2014 - 12/31/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96					
37					
38					
39 09/21/2014 - 09/27/2014 1.17 1.33 40 09/28/2014 - 10/04/2014 1.14 1.30 41 10/05/2014 - 10/11/2014 1.11 1.26 42 10/12/2014 - 10/18/2014 1.08 1.23 43 10/19/2014 - 11/05/2014 1.07 1.22 44 10/26/2014 - 11/08/2014 1.06 1.20 45 11/02/2014 - 11/15/2014 1.05 1.19 46 11/09/2014 - 11/15/2014 1.04 1.18 47 11/16/2014 - 11/22/2014 1.03 1.17 48 11/23/2014 - 11/29/2014 1.03 1.17 49 11/30/2014 - 12/06/2014 1.01 1.15 50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/20/2014 1.00 1.14 52 12/21/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09 * PEAK SEASON					
41 10/05/2014 - 10/11/2014 1.11 1.26 42 10/12/2014 - 10/18/2014 1.08 1.23 43 10/19/2014 - 11/05/2014 1.07 1.22 44 10/26/2014 - 11/01/2014 1.06 1.20 45 11/02/2014 - 11/08/2014 1.05 1.19 46 11/09/2014 - 11/15/2014 1.04 1.18 47 11/16/2014 - 11/22/2014 1.03 1.17 48 11/23/2014 - 11/29/2014 1.02 1.16 49 11/30/2014 - 12/06/2014 1.01 1.15 50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/20/2014 1.00 1.14 52 12/21/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09					
42 10/12/2014 - 10/18/2014 1.08 1.23 43 10/19/2014 - 10/25/2014 1.07 1.22 44 10/26/2014 - 11/01/2014 1.06 1.20 45 11/02/2014 - 11/15/2014 1.05 1.19 46 11/09/2014 - 11/15/2014 1.04 1.18 47 11/16/2014 - 11/22/2014 1.03 1.17 48 11/23/2014 - 11/29/2014 1.02 1.16 49 11/30/2014 - 12/06/2014 1.01 1.15 50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/20/2014 1.00 1.14 52 12/21/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09 * PEAK SEASON					
43 10/19/2014 - 10/25/2014 1.07					
44 10/26/2014 - 11/01/2014 1.06 1.20 45 11/02/2014 - 11/08/2014 1.05 1.19 46 11/09/2014 - 11/15/2014 1.04 1.18 47 11/16/2014 - 11/22/2014 1.03 1.17 48 11/23/2014 - 11/29/2014 1.02 1.16 49 11/30/2014 - 12/06/2014 1.01 1.15 50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/20/2014 1.00 1.14 52 12/21/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09 * PEAK SEASON					
46 11/09/2014 - 11/15/2014 1.04 1.18 47 11/16/2014 - 11/22/2014 1.03 1.17 48 11/23/2014 - 11/29/2014 1.02 1.16 49 11/30/2014 - 12/06/2014 1.01 1.15 50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/20/2014 1.00 1.14 52 12/21/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09 * PEAK SEASON		10/26/2014 - 11/01/2014	1.06	1.20	
47 11/16/2014 - 11/22/2014 1.03 1.17 48 11/23/2014 - 11/29/2014 1.02 1.16 49 11/30/2014 - 12/06/2014 1.01 1.15 50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/20/2014 1.00 1.14 52 12/21/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09 * PEAK SEASON					
48 11/23/2014 - 11/29/2014 1.02 1.16 49 11/30/2014 - 12/06/2014 1.01 1.15 50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/20/2014 1.00 1.14 52 12/21/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09 * PEAK SEASON					
50 12/07/2014 - 12/13/2014 1.01 1.15 51 12/14/2014 - 12/20/2014 1.00 1.14 52 12/21/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09 * PEAK SEASON					
51 12/14/2014 - 12/20/2014 1.00 1.14 52 12/21/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09 * PEAK SEASON					
52 12/21/2014 - 12/27/2014 0.98 1.11 53 12/28/2014 - 12/31/2014 0.96 1.09 * PEAK SEASON					
* PEAK SEASON	52	12/21/2014 - 12/27/2014	0.98	1.11	
		The same of the sa	0.96	1.09	
09-MAR-2015 16:07:47 830UPD 1_0300_PKSEASON.TXT					
	09-MAF	R-2015 16:07:47		830UPD	1_0300_PKSEASON.TXT
	09-MAF	R-2015 16:07:47		830UPD	1_0300_PKSEASON.TXT

Appendix G: Intersection Signal EPAC Data

(9 Sheets)

				Pr	ogran	nmed	LPA	CD	ata				8:16:33 am	
ntersec	tion Na	me: US4	_					Inters	ection .	Alias:	US41@	Price		
Dhaga I		Channe	el: 47	Address: 5	5 Revisio	on: 3.34b				Acce	ss Data	1.0.0	2 Comm :192 3 Comm :192	
Phase I							5000	2.4				Poit.	5 Conin . 192	OO Daud
Vehical B						-0.2.6	- A		Timing		Time I		ars Time	Control of the second
Phase	Min_G	rn Passaş	ge Max	d Max2	Yellow	All Red	Adde	d Initial	Max_In	iitial	Reducti		fore Redu	ce Min_Gap
1	7	3.0	15	0	4.8	2,4		0.0	0		0		0 0	0.0
2	20	5.0	50	0	4.8	2.4		0.0	0		0		0 0	0.0
3	7	3.0	15 25	0	4.4	3.7		0.0	0		0		0 0	0.0
5	7	3.0	15	0	4.8	2.4		0.0	0		0		0 0	0.0
6	20	5.0	50	0	4.8	2.4		0.0	0		0		0 0	0.0
7	7	3.0	15	0	4.4	3.7		0.0	0		0		0 0	0.0
8	7	3.0	25	0	4.4	3,7		0.0	0		0		0 0	0.0
Pedestrian	Timing		Extended		General C					Miscel	laneous			No
	Ped	Flashing	Ped	Rest	Teliti-Nin-	Non-Act	Veh	Ped	Recall	Non	Dual	Last Car	Conditional	Simultaneous
Phase Wal		Walk	Clear	in Walk	Initialize	and the same	Recall	Recall	Delay	Lock	Entry	Passage	Service	Gap Out
1 0 7	0	No No	0	No	Inactive	None NonActI	None	None	0	Yes Yes	No	No No	No	No
2 7 3 0	32 0	No	0	No No	Green Inactive	None	Min None	None	0	Yes	No No	No	No No	No No
4 0	0	No	0	No	Inactive	NonActII	None	None	0	Yes	Yes	No	No	No
5 0	0	No	0	No	Inactive	None	None	None	0	Yes	No	No	No	No
6 7	35	No	0	No	Green	NonActI	Min	None	0	Yes	No	No	No	No
7 0	0	No	0	No	Inactive	None	None	None	0	Yes	No	No	No	No
8 7	42	No	0	No	Inactive	NonActII	None	None	0	Yes	Yes	No	No	No
Phase C		Yellow Phase 0 0 0	0 7	Vehical De Vehical De Vehical De	tector Char	nnel :2	Phas 1 2 3	e	Mode Veh Veh Veh	I	Phase 0 0 0	0.0 0.0 0.0	Delay 0 0 0	
4	0	0		Vehical De	tector Char	nnel:4	4		Veh		0	0.0	0	
5	2	0		Vehical De	tector Char	mel:5	5		Veh		0	0.0	0	
6	0	0	0	Vehical De	tector Char	nnel:6	6		Veh		0	0.0	0	
8	0	0	0 7	Vehical De	tector Chai	nnel:7	7		Veh		0	0.0	0	
				Vehical De			8		Veh		0	0.0	0	
			7	Vehical De	tector Chai	mel:15	4		Veh		0	0.0	10	
Pedestrian Defaul								Special	Detector	Phase A	Assignme Ass	nt sign	Switched	
								: Defau	lt Data		Ph	ase Mod	e Phase	Extend Delay
Unit Da	ata													
General	Control							Remot	e Flash				Flash	Flash
	Time: 0se		p State: F		Red Rever	t: 4sec Sequence: (= Flash Flash	Yes		Chan:	Red	Alternat No
110010									Entry	Exit		2	Yellow	No
ADC		-		D	Inpu			Phase		Phase		3	Red Red	Yes Yes
ABC con	mector C	output Mod	es: 0	K	1 Ring			2	No	Yes		5	Red	No
ABC con		Modes: 0			2 Ring	_	V	4	Yes	No Yes		6	Yellow	No
ABC con	ctor Input	elegand)												
ABC connec		ut Modes:	0		3 Nor		é	8		No		7	Red	Yes

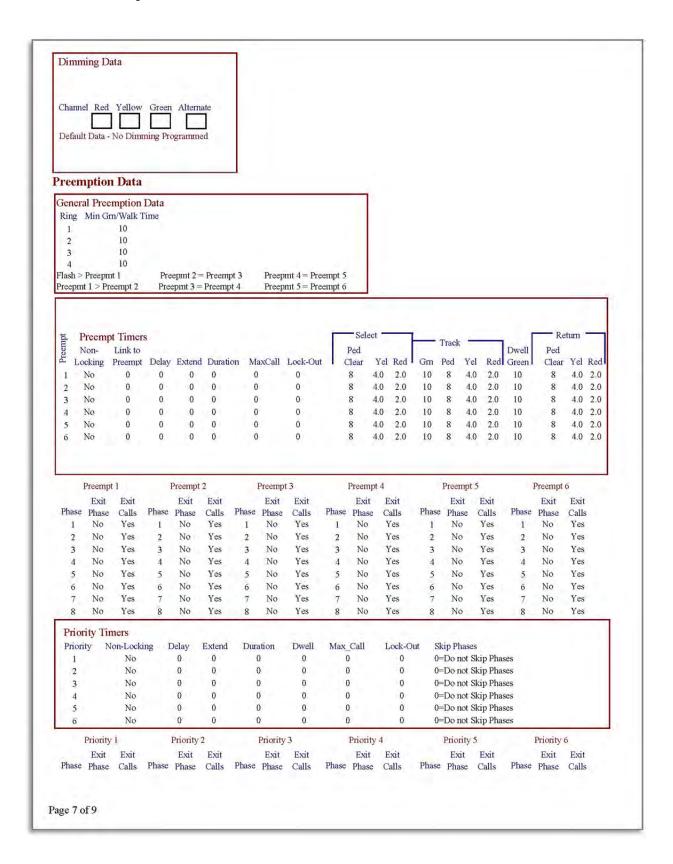
	Phase(s) Trail Green Trail Yellow Trail Red	A 0 4.0	B B 0	C	D	E	F		Н	1	J	K	L	M	N	0	P	
	Trail Yellow Trail Red	0 4.0	0			E	F	0										
	Trail Yellow Trail Red	4.0		0				G	H	I	J	K	L	M	N	0	P	
	Trail Red				0	0	0	0	0	0	0	0	0	0	0	0	0	
			4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		
		2.0	2.0	2.0	2.0	2.0	2.0		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		
	Plus Green Minus Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ring	Willias Green	U	0	0	0	0	U	0	0	0	1.0	_	U	0	0	0	.0	
	Next			ĭ	2	3 4	5	5 6	7	8	Phas 9	e(s)	11	12	13	14	15	16
Phase R		170	_			3 4	1		3	3	9	10	11	12	13	14	15	16
1	1 2	Concurrent	es			7 7	2		4	4	9	10	11	12	13	14	13	10
2	1 3	поц	Phases			3 8	-		7	8								
3	1 4	8	4.3															
5	2 6																	
6	2 7																	
7	2 8 5																	
	lternate iences															16	Used Used Used	No No No
Progr	anmed nel Assignn	nent	_	_						_							_	
Control	Channel	Hardy	vare P	in Set		Contro	ı	Channel	Har	dware Pi	n Set		Contr	ol (Channe	el H	lardwar	e Pin Set
Ph.1 Vel			1 RYC			Ph.2 Vo		2 5		h.2 RYG			Ph.3 V		3		- Ph.3 R	
Ph.4 Vel Ph.7 Vel		7 - Ph.	4RYC			Ph.5 Vo		8		h.5 RYG h.8 RYG			Ph.6 V Ph.2 P		6		- Ph.6 R - Ph.2 D	
Ph.4 Ped	d 10	12 - Ph	.4 DPV	V 12		Ph.6 Pe	ed	11	14 - F	h.6 DPW	14		Ph.8 P	ed	12	16	- Ph.8 D	PW 16
Ph.1 OL Ph.4 OL		17 - Ph 20 - Ph				Ph.2 OI Ph.1 Pe		14 17		Ph.2 RYG h.1 DPW			Ph.3 C		15 18		- Ph.3 R - Ph.3 D	
Ph.5 Ped		20 - Ph				Ph.7 Pe		20		h.7 DPW		_	FIL.3 F	eu	10	11	- ru.s D	T VY 11

Coordination Data			Dial/Split	Cycle
General Coordination Data			1/1	105
Operation Mode: 1=Auto	Offset Mode: 0=Beg Grn	Manual Dial 1	1/2	105
Coordination Mode: 2=Permissive	Force Mode: 0=Plan	Manual Dial: 1	1/3	115
Waximun Mode: 0=Inhibit	Max Dwell Time: 0	Manual Split: I Manual Offset: 1	1/4	105
Correction Mode: 2=Short Way	Yield Period: 0	Manual Offset: 1	2/1	125
	attivation t		2/2	115
			2/4	125
			3/1	140
			3/2	150
			3/3	140
			3/4	125
			4/1	140
			4/2	125
			4/3	140

Split	Times	and Phase Mode									
	/ Spli										
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	19	0=Actuated	2	47	1=Coordinate	3	22	0=Actuated	4	17	0=Actuated
5	17	0=Actuated	6	49	1=Coordinate	7	20	0=Actuated	8	19	0=Actuated
Dial 1	/ Spli	t 2									
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	19	0=Actuated	2	47	1=Coordinate	3	22	0=Actuated	4	17	0=Actuated
5	17	0=Actuated	6	49	1=Coordinate	7	20	0=Actuated	8	19	0=Actuated
Dial 1	/ Spli	t 3									
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	19	0=Actuated	2	57	1=Coordinate	3	22	0=Actuated	4	17	0=Actuated
5	17	0=Actuated	6	59	1=Coordinate	7	20	0=Actuated	8	19	0=Actuated
Dial 1	/ Spli	t 4									
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	19	0=Actuated	2	47	1=Coordinate	3	22	0=Actuated	4	17	0=Actuated
5	17	0=Actuated	6	49	1=Coordinate	7	20	0=Actuated	8	19	0=Actuated
Dial 2	2 / Spli	t i									
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	24	0=Actuated	2	58	1=Coordinate	3	24	0=Actuated	4	19	0=Actuated
5	21	0=Actuated	6	61	1=Coordinate	7	22	0=Actuated	8	21	0=Actuated
Dial 2	2/ Spli	t 2									
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	24	0=Actuated	2	50	1=Coordinate	3	23	0=Actuated	4	18	0=Actuated
5	17	0=Actuated	6	57	1=Coordinate	7	21	0=Actuated	8	20	0=Actuated
Dial 2	2/ Spli	t 4									
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	28	0=Actuated	2	54	1=Coordinate	3	24	0=Actuated	4	19	0=Actuated
5	17	0=Actuated	6	65	1=Coordinate	7	22	0=Actuated	8	21	0=Actuated
Dial 3	3/ Spli	t I									
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	24	0=Actuated	2	60	1=Coordinate	3	32	0=Actuated	4	24	0=Actuated
5	20	0=Actuated	6	64	1=Coordinate	7	27	0=Actuated	8	29	0=Actuated
Dial 3	3/ Spli	t 2									
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	29	0=Actuated	2	58	1=Coordinate	3	36	0=Actuated	4	27	0=Actuated
5	23	0=Actuated	6	64	1=Coordinate	7	26	0=Actuated	8	37	0=Actuated
Dial 3	3/ Spli	t3									
Ph	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	27	0=Actuated	2	53	1=Coordinate	3	35	0=Actuated	4	25	0=Actuated
5	20	0=Actuated	6	60	1=Coordinate	7	26	0=Actuated	8	34	0=Actuated
Dial 3	3/ Spli	t 4									
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	28	0=Actuated	2	54	1=Coordinate	3	24	0=Actuated	4	19	0=Actuated
5	17	0=Actuated	6	65	1=Coordinate	7	22	0=Actuated	8	21	0=Actuated
Dial 4	1/ Spli	t1									
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	26	0=Actuated	2	60	1=Coordinate	3	30	0=Actuated	4	24	0=Actuated
5	22	0=Actuated	6	64	1=Coordinate	7	27	0=Actuated	8	27	0=Actuated
Dial 2	1/ Spli	t 2									
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	28	0=Actuated	2	54	1=Coordinate	3	24	0=Actuated	4	19	0=Actuated
5	17	0=Actuated	6	65	1=Coordinate	7	22	0=Actuated	8	21	0=Actuated
Dial 4	1/ Spli	t 3									
Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode	Ph.	Splits	Ph. Mode
1	29	0=Actuated	2	57	1=Coordinate	3	30	0=Actuated	4	24	0=Actuated
5	24	0=Actuated	6	62	1=Coordinate	7	27	0=Actuated	8	27	0=Actuated

	Plan D									m.	12000	\$ 15 Au			m	
Plan: 1.		fset Time: 65				=Norma				g Time: 0		Lag Tin			ag Time:	
Plan: 1.		fset Time: 65				=Norma				g Time: 0	7 -	Lag Tin		-	ag Time:	
Plan: 1.		fset Time: 65	7			=Norma				g Time: 0	-	Lag Tin			ag Time:	
Plan: 1.		fset Time: 65				=Norma				g Time: 0		Lag Tin			ag Time:	
Plan: 2.		fset Time: 72	Alt. Sequ			=Norma				g Time: 0	-	Lag Tin		-	ag Time:	
Plan: 2.		fset Time: 65				=Norma				g Time: 0		Lag Tin			ag Time:	
Plan: 2.		fset Time: 70	200			=Norma				g Time: 0	-	Lag Tin			ag Time:	
Plan: 3	-/-	fset Time: 14 fset Time: 18			Mode: 0	=Norma =Norma				g Time: 0	1	Lag Tin			ag Time:	
Plan: 3						=Norma =Norma				g Time: 0					ag Time: ag Time:	
Plan: 3		fset Time: 29 fset Time: 70	Alt. Sequ			–Norma ⊨Norma				g Time: 0		Lag Tin Lag Tin				320
Plan: 3.		fset Time: 70	Alt, Sequ			=Norma				g Time: 0 g Time: 0	-	Lag Tin			ag Time: ag Time:	
Plan: 4	-	fset Time: 79	Alt. Sequ			=Norma				g Time: 0		Lag Tin			ag Time:	
Plan: 4		fset Time: 70	Alt. Sequ			=Norma				g Time: 0	277	Lag Tin		-	ag Time:	
Plan: 4		and the second party	Air sequ	ence. o	Mode. C		1		Ng 2 La	g Time. 0	Ng 5	rag IIII				. 0
Start of	TBC of Dayligh Dayligh	ht Saving	Month: 3 Month: 11	Week: 2 Week: 1		le Zero I	Referenc	e Hours	s: 24 N	Min: 0		Day 1	2	Equate Da 3 4 5 5 6 0	6 7	_
Trame	Data					_		_	PHAS	SE FUNC	TION					_
Event	Day	Time	D/S/O fla	ish	1 2	3	4	6	7	8 9	10	11	12	13 14	15	16
1	1	0:1		h On				ī		ĒΓ						
2	1	6:0	0/0/4			īĦ	Tit		Π	ΠĒ	Ī	Πī			П	
3	1	8:0	1/3/1			i H	Ħ	īĦ	Ħ	ΠF	iĦ	T F		٦Ħ	Ħ	ΠI
4	1		2/4/1		ĦĦ	iΗ	H	iΗ	Ħ	ĦĦ	iĦ	HF	7	76	Ħ	Ħ
5	1		3/4/1		ĦĦ	ťΗ	H	┪Ħ	H	ĦĦ	Ħ	HF	≓ i	ĦĦ	H	ΗI
6	1		2/2/1		$H \vdash$	H	H	┥⊢╣	H	HH	H	HH	=	$\dashv \vdash$	H	HI
					\vdash	ŧН	H	╡┝╡	H	HF	H		-		\vdash	HI
7	1		1/4/1		\sqcup			4 📙	\vdash	닏닏		 	4	44	\vdash	닏
8	1		0/0/4	30		Щ			Ц	ᆜ닏	Щ	ᆜᆜ	4 !			
9	1			h On		ليا إ			Ц		Щ	$\sqcup \sqcup$			Ш	
10	2	0:1	5/5/0 Flash	h On										(
11	2	6:0	4/1/1		70		1			-4				1		
12	2	7:0	3/1/1											11		
13	2	10:0	3/2/1										J i			
14	2	16:0	3/3/1				ΠĪ		Π	ΠĒ	ī	ΠĪ			П	
15	2	18:30	2/1/1		F	īĦ	Ħ	īĦ	Ħ	ΠF	īĦ	T F	7	٦Ħ	Ħ	ĦI
16	2		1/2/1		ĦĦ	iΗ	H	īΗ	Ħ	ĦĦ	iΗ	ĦĦ	7	٦H	Ħ	Ħ
17	2		0/0/4		ĦĦ	ίĦ	H	i H	H	ĦĦ	iΗ	HF	+ 1	٦H	H	ĦI
18	2			h On	ĦĦ	H	H	1 H	H	HF	H	Ħ ⊧		$\exists \exists$	H	HI
19	7			h On	$H \vdash$	 -	H	┥⊢	H	\dashv \vdash	 		-	\dashv \vdash	H	HI
				TOIL	$H \vdash$	4 1		4	H	$H \vdash$	H	H	4	닉님	H	HI
	7		0/0/4		\vdash	닏		4		닏닏	Ц	∐ ⊦	4	ᆜ닏	\square	\sqcup
20	-	8:0	1/3/1		닏닏	Щ		4 🗀	LI.	닏닏	Ц	<u>⊢</u> ⊢	<u>.</u>	ᆜᆜ	Ц	니니
20 21	7															
20	7	11:30	2/4/1											100	1 2	
20 21		11:30 13:30	2/4/1 4/2/1					لبا لا								
20 21 22	7	13:30					H	18		H٤			1		Н	\exists
20 21 22 23	7 7	13:30 16:15	4/2/1				H								Ħ	
20 21 22 23 24	7 7 7	13:30 16:15 18:30	4/2/1 2/2/1												Ħ	

	ogram		Ouputs	Det. Diag.		Det. Iult100			ecial Fun			5		
Event .	Day Hour 1 0	Min. 1	$\begin{bmatrix} 2 & 3 \\ & \end{bmatrix}$	DI X	D2 X	D3 I	Dimming	$\bigcap^{1} \bigcap^{2}$	\Box \Box			8		
2	1 6 1 18	0 -		X	X		H	HH	H	H	H.			
4	2 0	1)	191	X	X		H	日日	ĦĦ	111	11			
5 6	2 6 2 18	0 📙	ШЕ	X	X X X X X X X X		Н	ᆸᆸ	ЫE	Шt	Ш	81		
7	7 0 7 6	0	H	X	X	-	H	HH	HE	H	-			
9	7 18	0	11	Х	X							- 11		
Default Data	- No Special D	ay(s) or We	ek(s) Prog	rammed										
Special Fur														
Function Special Funct	tion I		SF1	SF2 S	SF3 SI	F4 SF	5 SF6	SF7	SF8					
Special Funct			X	v	4	┥┝	H	H	-					
Special Funct			H	X	x	-	H	屵⊦	-					
Special Funct			\vdash		==		H	屵⊦	=					
Special Funct			H		X	Х	H	H	-					
Special Funct			=	= -	Ⅎ⊢	┧┢â	X	片						
Special Funct			\vdash	-1 ⊦	Ⅎ⊢	╁┝═	H	x	-					
Special Funct			H	۲þ	┥⊢	ŧĦ	H	Ħŀ	x					
Phase Func	tion									N.E.				_
Phase Functi		PFI P	F2 PF3	PF4 P	F5 PF	6 PF7	PF8 I	F9 PF1	0 PF11	PF12	PF13	PF14	PF15	PF16
Phase 1 Max	2	X	7					1						
Phase 2 Max2	2	X	3											
Phase 3 Max2	2		X											
Phase 4 Max	2:			х			8	1						
Phase 5 Max2	2			X	ī				İΠ					
Phase 6 Max	2		1 = 1		X	i					同		Ħ	
Phase 7 Max	2			116	1	Х				1		囯		
Phase 8 Max2	2			44	īĒ	īĦ	х		iFi			2.0	Ħ	T
Phase 1 Phase	e Omit	ΠĖ	1 37		Ti	iΠ	==		iΠ	T	Ħ	F	Ħ	
Phase 2 Phase	e Omit	ΠĦ		33 5		ifi		X	iΠ		F		Ħ	
Phase 3 Phase		ΠĦ		111	1	il	Mi	T F	Х	F	H	7- 6		
Phase 4 Phase		FF	iti		٦E	iĦ	ĦΈ	٦Ħ	iΠ	X	Ħ	Ħ	Ħ	Ħ
Phase 5 Phase		ΠH	T		٦H	iĦ	Ħ	īĖ	iĦ	Ħ	x	Ħ	一	Ħ
Phase 6 Phase		HH	H		٦Ħ	iĦ	HF	٦H	iΗ	H	H	Х	H	H
Phase 7 Phase		Η̈́	╬	= -	iF	iĦ	HH	┧┝	iΗ	Ħ	H	H	х	
, a setto		HH	╬		ŧ۳	H	HF	1 H	iH	H	H	H	H	Х
Phase 8 Phase				- 11	1 1	11 1		_	1 1 1		1 1			28

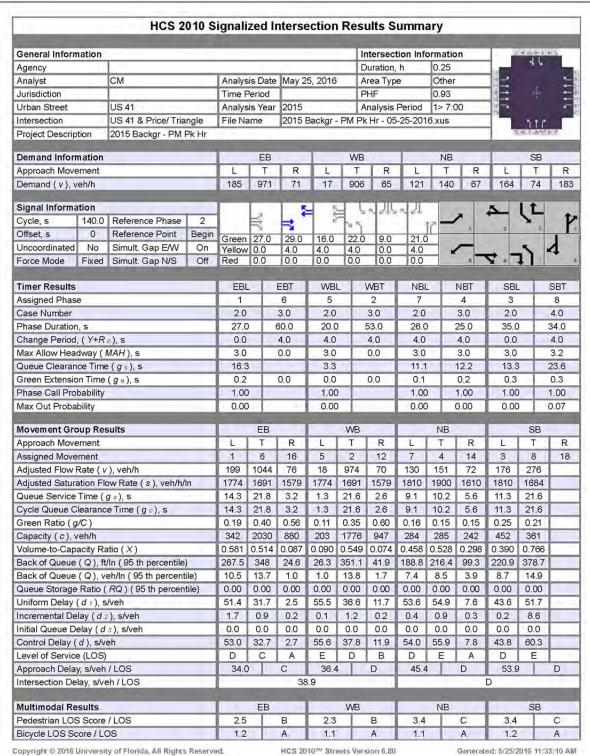


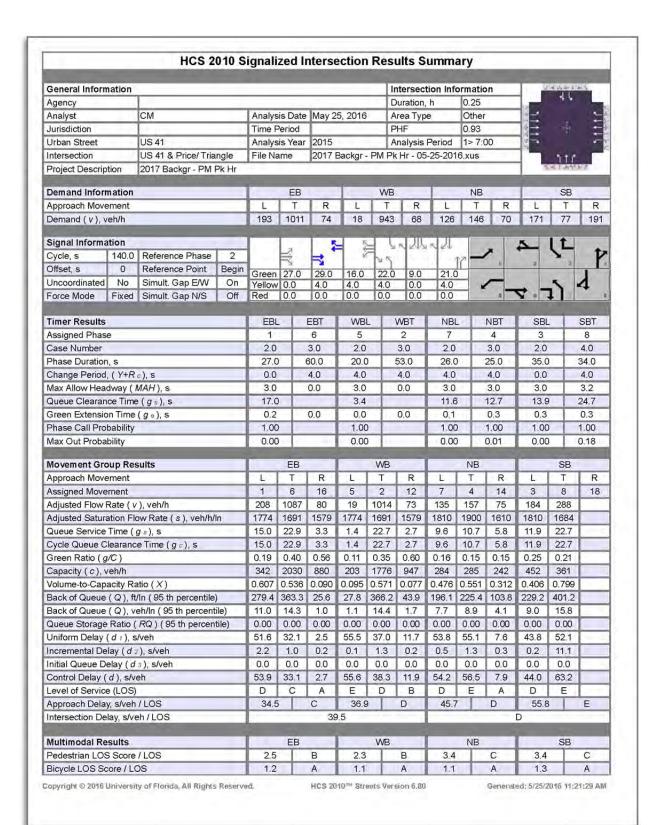
Preempt 1 Vehical Phases	14.1	Ph Track	Pedestrian Dwe		ele Ovi	p Track	Overlay Dwell		Cycle
Ph. Track Dwell	Cycle	Default Dat				ault Data			.,
Default Data		Demant Da			Dei	auit Data			
Preempt 2 Vehical Phases		Pede	trian Phases	ş.		O	verlaps		
Ph. Track Dwell	Cycle	Ph. Track	Dwell	Cycle		p. Track	Dwell	Cycle	
Default Data		Default Dat	a		Dei	ault Data			
Preempt 3		Pedes	trian Phases			Ov	verlaps		
Vehical Phases Ph. Track Dwell	Cycle	Ph. Track	Dwell	Cycle	Ovl	p. Track	Dwell	Cycle	
Default Data		Default Dat	a		Def	ault Data			
Preempt 4						_	_		
Vehical Phases			trian Phases		20.0		verlaps	G 1	
Ph. Track Dwell	Cycle	Ph. Track	Dwell	Cycle	Ovl	p. Track	Dwell	Cycle	
Default Data		Default Dat	a		Def	ault Data			
Preempt 5		7. (4)	0.500			- 4			-
Vehical Phases	2.5	Ph. Track	trian Phases Dwell	Cycle	0.1	D. Track	verlaps Dwell	Cycle	
Ph. Track Dwell	Cycle	Ph. Hack	Dweii	Cycle	OVI	D. TIACK	Dwell	Cycle	
Default Data		Default Dat	a		Def	ault Data			
Preempt 6		10.00				- 1			
Vehical Phases Ph. Track Dwell	Cycle	Ph. Track	trian Phases Dwell	Cycle	Ovl	p. Track	verlaps Dwell	Cycle	
Default Data		Default Dat	a		Def	ault Data			
System/Detectors I	lata								
Local Critical Alarms	zata				Course Co.	1 . D	22051	25420	
	ailure: No Coc	ed Failura: Na	Conflict		Backup: 15 emote Flash: No		hone: 23951 Phone:	33428	
						Zild I	none.		
Local Fash: No Cycle Fa Special Status 1: No Special Status 1: No Specia		rd Fault: No	Premptio	Special Status	oltage Monitor:	I Control of N	t- a	. 100	c N-
P	ecial Status 2: No	o speciai sta	us 3: NO	Special Status 2	4: NO Specia	Status 5: N	o spec	cial Status	0: NO
System Detector Detector Channel Veh	Average /Hr Time(min	Occupancy s) Correction/1		and the second second	1 System ors Detectors	Weight Factor	Queue 2 Detectors	System Detectors	Weight Factor
and the same				Default	D. J.				
Default Data Sample Interval:		Oueue: 1 Int	ut Selection	: 0=Average	Queue:		Default Data	a	
1000			tector Failed		Level E	nter Leav	e Di	al / Split /	Offset
				0=Average				11	
		44	tector Failed		Default D	ata			

Vehical Detector Diagnostic Value 0				Vehical D		and tra		Special Detector Diagnostic Value 0 Max No Erratic					
					Diag	nostic Valu	ie I						
Detector		No Activity	Erratic Count		Max Presence	No Activity	Erratic Count	Detector	Presence		Count		
1	30	180	60	1	30	180	60	La tamaka	G	ale a			
2	30	180	60	2	30	180	60	Default	Data - No	Diag 0 \	alu		
3	30	180	60	3	30	180	60						
4	30	180	60	4	30	0	60						
5	30	180	60	5	30	0	60						
6	30	180	60	6	30	180	60						
7	30	180	60	7	30	0	60						
8	30	180	60	8	30	180	60						
9	30	180	60	9	30	180	60						
10	30	180	60	10	30	180	60						
11	30	180	60	11	30	180	60						
12	30	180	60	12	30	180	60						
13	30	180	60	13	30	180	60						
14	30	180	60	14	30	180	60						
15	30	180	60	15	30	0	60						
Pedestrian	Detector			Pedestrian	Detector			Special Detector					
	Diag	nostic Valu	ie 0		Diag	nostic Valu	ie 1		Diag	nostic Valu	ie 1		
	Max	No	Erratic		Max	No	Erratic		Max	No	Erratic		
Detector	Presence	Activity	Count	Detector	Presence	Activity	Count	Detector	Presence				
1	5	0	0	1	5	0	0			Name (
2	5	0	0	2	5	0	0	Default	Data - No	Diag 1 V	alues		
3	5	0	0	3	5	0	0						
4	5	0	0	4	5	0	0						
5	5	0	0	5	5	0	0						
6	5	0	0	6	5	0	0						
7	5	0	0	7	5	0	0						
8	5	0	0	8	5	0	0						
Default I	Data - No	Diag 0 V	alues	Default	Data - No	Diag 1 V	alues						
Speed Tra	n Data							Speed Trap	Spe	ed Trap			
Speed Tr						Dial/Sp	lit/Offset	Low Treshol		Treshold			
speed II			147			11							
mana diserb		easureme				Defau	lt Data						
Detector	I Detecto	or_2 D	stance :			Delau	n Duta						
Default 1	Data												
Volume D	Detector D	ata											
	Report I	nterval											
Volume	Controller												
Detector													
Number	Channel												
9	9												
10	10												
11	11												
13	12												
14	13												
15	14												

Appendix H: Intersection HCS Printouts

(4 Sheets)

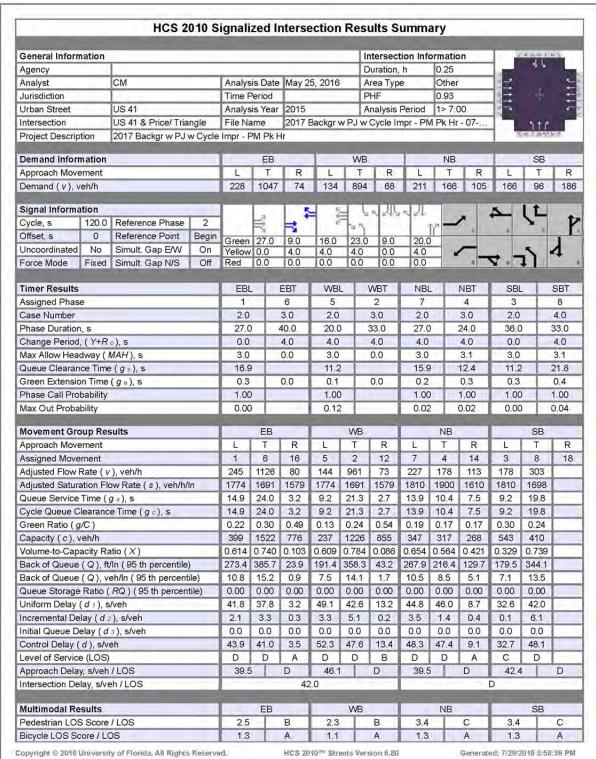


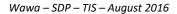


Trebilcock Consulting Solutions, PA

		HCS 2	010 S	ignali	zed li	nterse	ection	Res	ults S	umma	ary					
								7					y		GT.	
General Information										tion Info	1	11				
Agency								Duration, h				100				
Analyst CM			Analysis Date May 25, 2016				-	Area Type								
Jurisdiction			Time F	_	-	PHF			0.93				#			
Urban Street US 41			-	is Year		Company of the Party of the Par			nalysis Period 1> 7			8				
Intersection US 41 & Price/ Triangle				File Na	ame	2017	017 Backgr w PJ - PM Pk I			lr - 07-2	9-2016.	xus		111		
Project Descrip	tion	2017 Backgr w PJ	PM Pk	Hr									1	SELPR	105	
Domand Inform	nation			T	EB		1	WE		1	NB		7	SB		
Demand Information				L	T	R	L	T	R	L	T	R	L	T	F	
Approach Movement			228	1047		134	_	_		166	105	_	_	-		
Demand (v), v	en/n			228	1047	74	134	694	08	211	100	105	166	96	18	
Signal Informa	ition				1	-	1	JI	JUL	NU			K	11		
		2	1	3	L .	- 6	7.	145.02	100	12	*	-	1-	1		
Offset, s	0	Reference Point	Begin	_	07.0	200.0	40.0	30	100	01.5		k.	2	13		
Uncoordinated	No	Simult. Gap E/W	On	Green Yellow	- Contraction	29.0 4.0	16.0	4.0	9.0	21.0 4.0		_			1	
Force Mode	Fixed		Off	Red	0.0	0.0	0.0	0.0	0.0	0.0		8	7 .	1)		
	,				100		TION I				-		A IN			
Timer Results				EBI		EBT	WB	L	WBT	NBL		NBT	SBI	L	SBT	
Assigned Phase				1	-	6	5		2	7		4	3		8	
Case Number				2.0		3.0	2.0		3.0	2.0		3.0	2.0		4.0	
Phase Duration, s				27.0	_	60.0	20.0		53.0	26.0	_	25.0		0	34.0	
Change Period, (Y+Rc), s				0.0		4.0	4.0		4.0		1.0 4.0		0.0		4.0	
Max Allow Headway (MAH), s						0.0	3.0		0.0 3.0		3.1		3.0		3.1	
Queue Clearance Time (g s), s				20.1			13.0			18.9		14.3	13.5	_		
Green Extension Time (g ,), s				0.2	_	0.0	0.1	_	0.0	0.1		0.3	0.3	_	0.3	
Phase Call Probability			1.00	\rightarrow	ere.	1.00	_	5,0	1.00	-	1.00	1.00	_	1.00		
Max Out Probability			0.03			0.98		0.94				0.00		0.47		
				0.00			5.50			3.5			5,50		3.11	
Movement Gro	oup Res	sults			EB			WB			NB			SB		
Approach Move	ement			L	T	R	L	Т	R	L	T	R	L	T	R	
Assigned Movement				1	6	16	5	2	12	7	4	14	3	8	18	
Adjusted Flow Rate (v), veh/h			245	1126	80	144	961	73	227	178	113	178	303			
Adjusted Saturation Flow Rate (s), veh/h/ln			1774	1691	1579	1774	1691	1579	1810	1900	1610	1810	1698			
Queue Service Time (g s), s			18.1	24.0	3.3	11.0	21.3	2.7	16.9	12.3	9.0	11.5	23.9			
Cycle Queue Clearance Time (g o), s			18.1	24.0	3.3	11.0	21.3	2.7	16.9	12.3	9.0	11.5	23.9			
Green Ratio (g/C)				0.19	0.40	0.56	0.11	0.35	0.60	0.16	0.15	0.15	0.25	0.21		
Capacity (c), veh/h			342	2030	880	203	1776	947	284	285	242	452	364			
Volume-to-Capacity Ratio (X)			0.717	0.555	0.090	0.711	0.541	0.077	0.798		0.467	0.395	0.833			
Back of Queue (Q), ft/In (95 th percentile)			337	377.5	25.6	233.2	346	43.9	342.3	-	157.3	223.2	430.7			
Back of Queue (Q), veh/ln (95 th percentile)			13.3	14.9	1.0	9.2	13.6	1.7	13.5	10.1	6.2	8.8	17.0			
Queue Storage Ratio (RQ) (95 th percentile)			0.00	0.00	0.00	0,00	0.00	0.00	0.00	0.00	0.00	0,00	0.00			
Uniform Delay (d 1), s/veh			52.9	32.4	2.5	59.8	36.5	11.7	56.9	55.8	7.8	43.7	52.6			
Incremental Delay (d z), s/veh			6.1	1.1	0.2	9.5	1.2	0.2	13.6	3.2	0.5	0.2	14.4			
Initial Queue Delay (d 3), s/veh			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Control Delay (d), s/veh			59.0	33.5	2.7	69.3	37.7	11.9	70.5	59,1	8.3	43.9	67.0			
Level of Service (LOS)			E	C	A	E	D	В	E	E	A	D	E			
Approach Delay, s/veh / LOS			36.1		D	39.9	_	D	53.0		D	58.4		E		
Intersection Delay, s/veh / LOS			42.7								D		_			
Do	,	100				14								-		
Multimodal Re	sults				EB			WB			NB			SB		
Pedestrian LOS Score / LOS			2.5		В	2.3		В			С	3.4		С		
Bicycle LOS Score / LOS				1.3	_	Α	1.1	-	Α	1.3	\rightarrow	A	1.3	-	Α	

Trebilcock Consulting Solutions, PA





Appendix I: Proposed Intersection Improvements

(3 Sheets)

