

# **APPENDIX I: TRAFFIC STUDY**

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**APPENDIX I  
TRAFFIC STUDY**



Date: April 2018  
Rev. 0

Technical Quality Review Record

Project #	60571915	Delivery Date	10-11-2018
Project Name	BA-153 MBSD	Originator	Greg Trahan
Client/Client POC	CPRA	Comments Due By	10-08-2018
PM Name	Bruce Lelong, PE	Assigned Individual(s):	Jonathan McDowell
Title of Work Product	Hwy. 23 Traffic Study - Existing Conditions Report		

Type	<input type="checkbox"/> Calculation Check	<input type="checkbox"/> Independent Review (IR)	<input type="checkbox"/> Interdisciplinary Coordination Review	<input type="checkbox"/> Specification Package Review
	<input checked="" type="checkbox"/> Discipline Review	<input checked="" type="checkbox"/> Verification	<input type="checkbox"/> Technical Approach/Solution	<input type="checkbox"/> Bidability Review
	<input type="checkbox"/> Subconsultant, Client, or Third-Party Information Review		<input type="checkbox"/> Constructability Review	
	<input type="checkbox"/> Other Specify (e.g. Construction Services documentation):			

Review Scope	<input checked="" type="checkbox"/> Technical edit for elements such as grammar, punctuation and formatting	<input type="checkbox"/> Soundness of approach/design	<input type="checkbox"/> Application of Statements of Limitations
	<input checked="" type="checkbox"/> Detail check of calculations and graphics	<input checked="" type="checkbox"/> Conformance with standards	<input type="checkbox"/> Basis and validity of conclusion/recommendation
	<input checked="" type="checkbox"/> Organization, clarity and completeness	<input checked="" type="checkbox"/> Completion of check	<input type="checkbox"/> Completion of review of client and third-party information
		<input type="checkbox"/> Technical Approach/Solution	<input type="checkbox"/> Other Specify:

Quality Control (QC) Checking	For <b>comments</b> column, select N (None), HC (Hard Copy), EF (Electronic File – add network link), or (Review Comment Form)							
	Discipline	Description (Calc/Rpt/Dwg/Specs)	Comments	Network Link	Originator Initials	Date	Reviewer Initials	Date
	Gen	Report	EF	Electronic File	GT	10-10-18	JM	10-11-2018

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Select:

Lead Verifier has verified that comments have been adequately addressed. There are no outstanding issues.

or

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and

Lead Verifier confirms that the work product is complete and in accordance with the technical approach/solution.

**McDowell, Jonathan** Digitally signed by McDowell, Jonathan  
DN: cn=McDowell, Jonathan, ou=USBTR2  
Date: 2018.10.11 16:06:01 -05'00'

\_\_\_\_\_  
Lead Verifier Signature

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Date

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Lead Verifier Signature

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\_\_\_\_\_  
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Date: April 2018  
Rev. 0

Technical Quality Review Record

Quality Assurance (QA)  
Approval

- Confirmation that the deliverable has been reviewed for overall completeness, compatibility and conformance with scope and other contract requirements; all applicable reviews have been completed and deliverable is ready for submission to the client.

Project Manager (or Designee) Signature

10-11-18

Date

Project Quality Manager Signature (as applicable)

Date

DISTRIBUTION

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# Existing Conditions Report

Mid Barataria Sediment Diversion  
Route LA 23

Coastal Restoration and Protection Authority

CPRA No. 4400013603  
AECOM Project No. 60566074

June 2018



1  
150 Terrace Ave  
Baton Rouge, LA 70802

<Copy x of xx>

**AECOM** Imagine it.  
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Revision	Revision date	Details	Authorized	Name	Position

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# 1.

## 1.1

## 2. INTRODUCTION

The Coastal Protection and Restoration Authority is proposing a new channel to connect the Mississippi River to the Barrataria Basin with the goal of delivering sediment and rebuilding the delta marshes in the area. This would ultimately result in better coastal protection against sea level rise, subsidence and storm events. Construction of this new channel also requires the elevation of the currently at-grade segment of LA 23 to span the new channel, just south of the West Ravenna Road intersection with LA 23. Construction of a new bridge to elevate LA 23 above this new channel will result in relocation of one access point to a property adjacent to LA 23 and will likely close two median cross-over locations as shown in Figure 1-1. The study focuses on this segment of LA 23 in Plaquemines Parish and documents, existing, future year build conditions along with any required improvements to the roadway to maintain operations and safety at an acceptable level.

### 2.1.1 SCOPE OF WORK

AECOM Technical Services, Inc. has been tasked to perform a traffic study on LA 23 associated with the proposed Mid Barataria Sediment Diversion Project (MBSD). This study will analyze and determine the required lanes for the future capacity of the proposed bridge. Additionally, AECOM will review the existing safety conditions of the corridor and the impacts of the proposed corridor improvements. The study will utilize existing traffic counts, peak hours, and field observations to analyze future conditions. Proposed conditions will be analyzed using the VISTRO program.

### 2.1.2 STUDY AREA / PROJECT LOCATION

LA 23, through the study area, is a north-to-south state highway that serves Plaquemines Jefferson Parish. LA 23 is significant regional connector that serves Plaquemines and Jefferson parishes, and extends approximately 74 miles as a four-lane asphalt boulevard section with asphalt shoulders that connects Gretna down to Venice. Between Belle Chasse and Venice, the highway is the main thoroughfare along the western bank of the Mississippi River. This route provides the only access in and out of Plaquemines Parish and is a State of Louisiana evacuation route during hurricane season. The study area is located south of the ConocoPhillips Alliance Refinery and north of the town of Ironton in Plaquemines Parish. It includes approximately 3,900 feet of the existing LA 23 in the area of the MBSD. In this section, LA 23 has a grass median of 36 ft wide, with a 4-foot asphalt inside shoulder, and a 10-foot asphalt outside shoulder.



Figure 2-1 PROJECT LOCATION



## 3. DATA COLLECTION

Field data was collected in accordance with Louisiana Department of Transportation and Development's (LA DOTD) procedures. Initially, 7-day counts were conducted in the project area for LA 23. Based on analysis of 7-day counts, peak period and peak patterns were determined. Subsequently, peak hour counts were conducted during the identified peak periods to derive analysis volumes for existing conditions. The various types of data collected included 7-day and 24-hour machine counts, peak period turning movement counts and finally median and driveway counts. The various types of data collection tasks and analyses are discussed in the following sections.

### 3.1 7-DAY 24-HOUR AND APPROACH COUNTS

A 7 Day, 24-Hour count was taken on the corridor in order to determine the Peak Periods and Peak Hours along the corridor. These counts were taken at the following locations during mid-April, 2018:

- On LA 23 at the approximate proposed bridge location

24-Hour Approach counts were taken at several intersections along the corridor in order to determine the Peak Periods and Peak Hours along the corridor. These counts were taken at the following locations between late April and Mid-May, 2018:

- Four counts at the intersection of LA 23 and East/West Ravenna Road
- Three counts at the intersection of LA 23 and Ironton Road
- Three counts at the intersection of LA 23 and Plaquemines Parish Access Road

In addition, peak hour counts were conducted at driveways and median openings along the corridor for the study peaks. Finally, existing conditions volumes were balanced to yield the final analysis volume scenario. The location of these counts is shown in Figure 1-2. Detailed traffic count information is provided as Appendix A.



Figure 3-1 Data Collection Locations





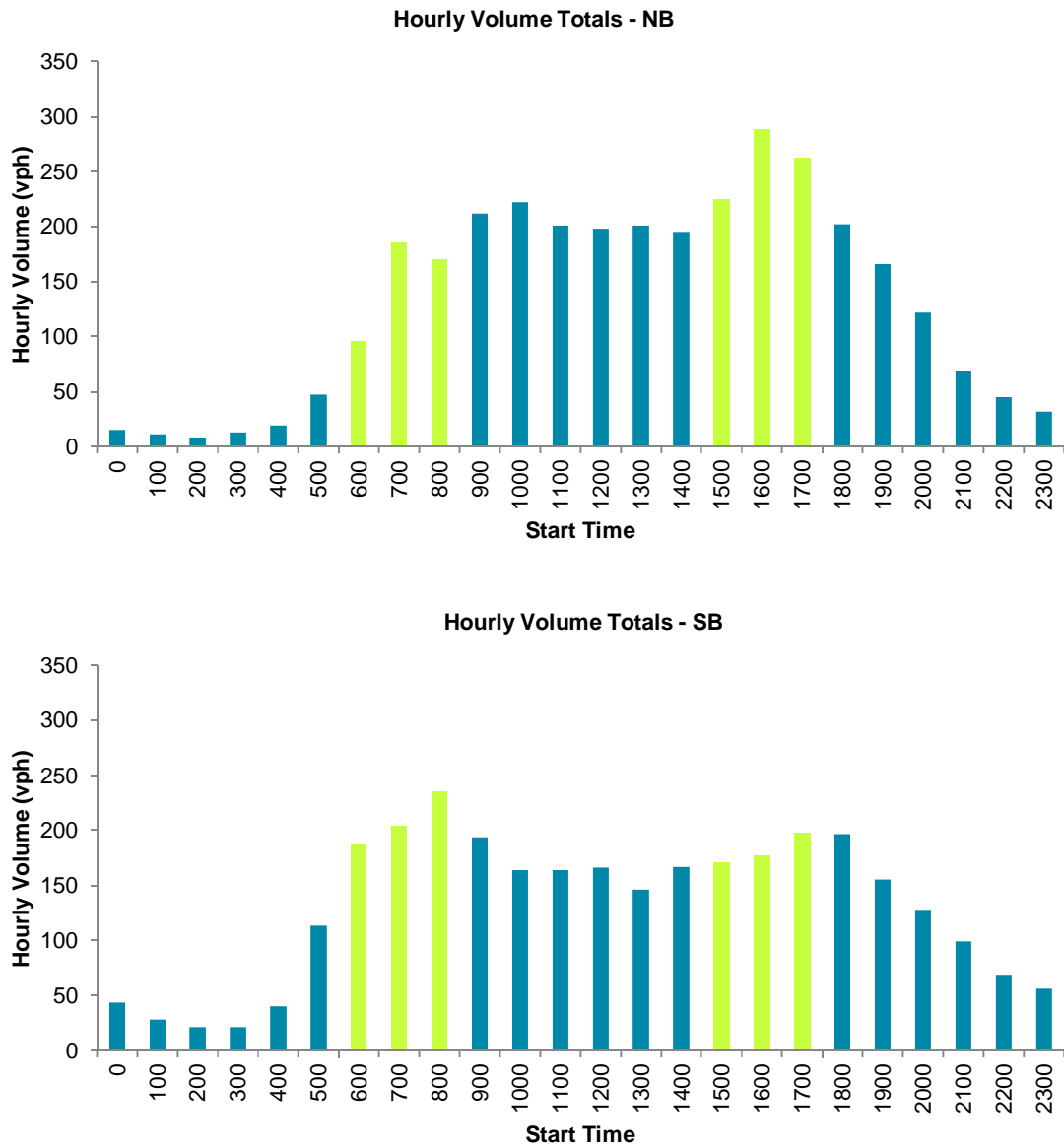
## 3.2 PEAK HOUR AND PEAK PERIOD FOR CORRIDOR

Based on the data collected from the 7-Day 24-Hour counts, a peak period and peak hour were determined..

### 3.2.1.1

Classification counts conducted over a period of 7 days was reviewed to determine the peak periods for AM and PM periods. Volume data indicates that the AM peak period extends from 6:00 AM to 9:00 AM and the PM peak period extends from 3:00 PM to 6:00 PM. Daily volume variation is shown in Figure 1-3 and raw volume data is included in **Appendix A**.

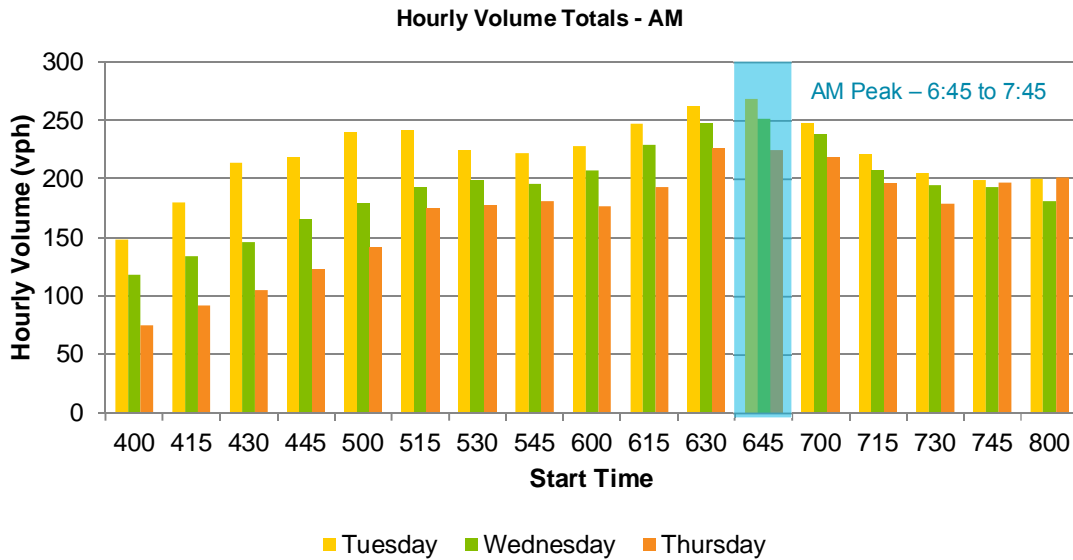
Figure 3-2 Daily Volume Variation Along LA 23

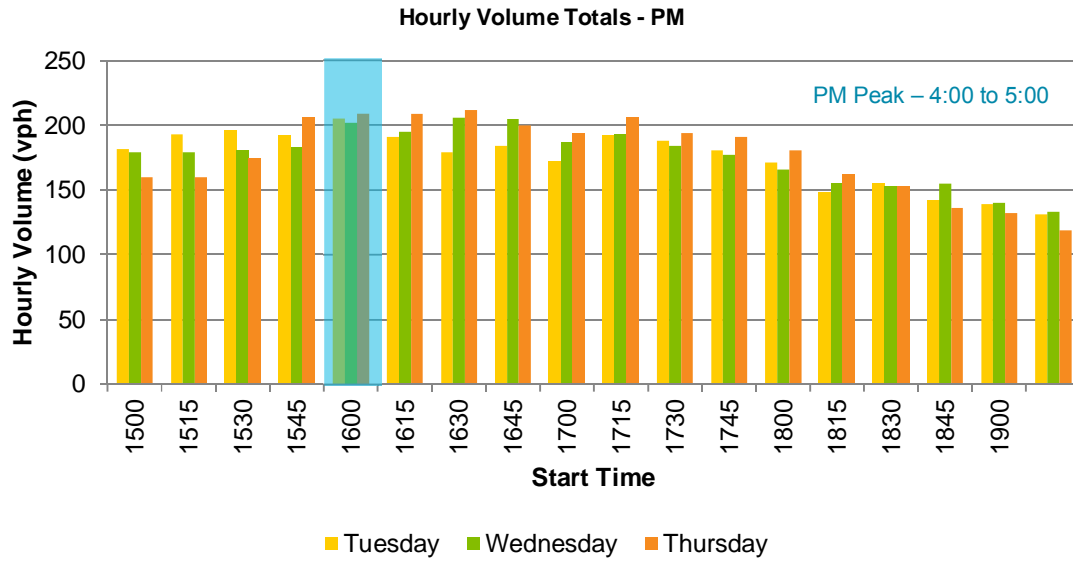



### 3.2.2 PEAK HOURS

The peak hour was analyzed using the Tuesday, Wednesday and Thursday counts from the 7 Day, 24-Hour Counts. Morning (AM) and evening (PM) peak hours were derived from the existing counts. Figure 1-4 shows the variation of volumes during the AM and PM peak . Peak hour for AM peak period is from 6:45 AM to 7:45 AM and for PM peak period is from 4:00 PM to 5:00 PM. The peak hour summary can be found in **Appendix A**.

Figure 3-3 Hourly Volume Variation During Peak Periods





### 3.3 PEAK PERIOD OBSERVATION

LA 23 is a four lane road that connects the southeast tip of Louisiana to New Orleans. This corridor is heavily used to transport personnel, equipment, and material to the mouth of the Mississippi River in order to provide secondary transport to off shore platforms. The corridor is also heavily used by sportsmen to access waterways for fishing and hunting purposes. The posted speed limit within the area is 65 MPH. The study corridor, on LA 23, is located within a rural area. Due to the rural vicinity of the project limits, pedestrian and bicycle traffic is not prevalent to almost non-existent. There are however a number of heavy vehicles that utilize the corridor. During the observation times, numerous dump trucks and tractor trailers were observed on the corridor. There are two minor street stop-controlled intersections on the corridor that will be studied: LA 23 at Ravenna Road and LA 23 at Ironton Road.

LA 23 at Ravenna Road is a four legged unsignalized intersection located within the northern limits of the project. The northbound leg has two through lanes with a shared right turn. The southbound leg has a through lane, a shared through and right lane, and an exclusive left turn lane. The eastbound and westbound legs both have a shared through, right, and left turn lane that is stop-sign protected. During the observation times, no substantial queuing was observed. There were times when a single vehicle was in queue in the southbound left turn lane waiting for a gap in the northbound traffic. In general, the gap wait time was short and the vehicle was able to make a left turn maneuver. Westbound Ravenna Road also experienced a single vehicle queue while waiting for a gap in traffic. This queue was generally short, and the vehicle was able to make a left or right turn without any issue. The eastbound Ravenna Road had no traffic within the observation time. No queue map of the intersection of LA 23 at Ravenna Road is provided since no queueing traffic was observed within the observation period.

LA 23 at Ironton Road is a three-legged unsignalized intersection located within the southern limits of the project. The northbound leg has two through lanes with a shared right turn. The southbound leg has two through lanes with a shared left turn option. The westbound leg has a shared through, right, and left turn lane that is stop-protected. During the observation only one car was observed making a left turn, from southbound LA 23, onto



Ironton Road. There were three vehicles observed coming out of Ironton Road. These vehicles waited for gaps within the traffic on northbound LA 23. No queue map of the intersection of LA 23 at Ironton Road is provided since no queueing traffic was observed within the observation period.

## 3.4 GROWTH RATE METHODOLOGY

Historical annual average daily traffic (AADT) was collected from 5 LA DOTD station counters along the corridor. Data ranged from 2003 to 2012. A polynomial regression analysis was performed on the data. Three stations had an R-squared value greater than .85, and were deemed to be a good fit to calculate the annual growth. Due to the polynomial nature of the historical data, an annual growth rate of 1.69% was used to estimate 2025 AADT and 2.21% was used to estimate 2045 AADT for the corridor.

The growth rate calculations can be found within **Appendix B**.

## 3.5 GEOMETRIC FIELD REVIEW

AECOM conducted a field visit on Friday, June 1, 2018. A visual inspection of the road and pavement markings indicated that they were in good condition. Rumble strips were present on the outside lane edge and were in good condition.

At the intersection of LA 23 and Ravenna Road, a visual review of the intersection did not indicate any potential issues with line of sight or signing or markings. W. Ravenna Road is a gravel road with no surface markings. E. Ravenna Road had a several commercial trucks making a left from LA 23. No street lights were present at the intersection. Pictures and field forms can be found within **Appendix B**.

At the intersection of LA 23 and Ironton Road, a visual review of the intersection did not indicate any potential issues with line of sight, signing or markings, and artificial lighting. Pictures and field forms can be found within **Appendix B**.



## 4. EXISTING ANALYSIS

The existing traffic volumes collected in the field were analysed using VISTRO software. The program was used to perform all intersection and arterial operational analyses. The study area consists of unsignalized intersections, median openings, and commercial driveways. The capacity analyses performed followed the guidelines and procedures outlined in the Highway Capacity Manual (HCM 2010) for unsignalized intersection and arterial capacity.

The findings of the delay values are expressed by a "grade" or level of service (LOS) ranging from LOS A, the best, to LOS F, the worst are assigned. Generally, a LOS D or better is considered acceptable.

### 4.1 SAFETY/CRASH ANALYSIS

The purpose of the crash analysis was to identify trends and locations of past accidents along the corridor that can be used to propose countermeasures as part of alternatives that will improve the safety of the corridor. These countermeasures will be analysed using the AASHTO Highway Safety Manual to determine overall crash reduction.

**Control Section 062-02**

Beg Logmi	End Logmi	Par ish	Func Sys	ADT	Lanes	Pave Type	Pave Width	Shldr Width	Med Type	Med Width	Route	Len
16.995	18.85	Pla	4-MiArt	9300	4	bitcon	24	4	divid	30	LA 23	1.74

#### 4.1.1 CRASH REPORTS

AECOM reviewed the crash data from 2012 to 2016 within the DOTD Crash 1 program. There were 19 total crashes during the four-year period caused by varying reasons. Five of the 19 crashes are due to animal-vehicle collisions with wildlife crossing the road. In a rural area, animal crashes are inevitable and can be extremely hard to avoid. The next most common type of crash type were due to construction obstructions. There were 5 construction related crashes. These crashes were caused by a lane transition that led to a concrete barrier separating two lanes. The construction is no longer an issue as it is not present anymore. There were 3 rear-end crashes caused by human error such as high speed, distractions, or driving too closely to the car in front. In addition, there were 2 left-turn crashes at intersections reportedly due to the driver not seeing an oncoming vehicle. There was also 1 crash due to objects in the roadway, 1 crash due to weather conditions, 1 right turn movement crash, and a motor cycle crash believed to be due to intoxication.

#### 4.1.2 COLLISION DIAGRAM

Collision diagrams are used to display and identify crash patterns. They provide information on the type and number of crashes along with the visual map of the area in relation to crash sites.

The collision diagram for the MBSD corridor is represented within **Appendix C**. The diagram indicates that the majority of the crashes are occurring near the LA 23 and Ravenna intersection. Most occurred in 2015, which was the time period of construction. It is likely that the issues that factored into the construction crashes have been eliminated, but will need to be considered during bridge construction.



### 4.1.3 SUMMARY OF CRASH DATA

The highest number of crashes within the study area was non-collision crashes. **Non-collision** crashes accounted for 9 of the 18 recorded crashes. At a rate of 52.6% of the total crashes, this is much higher than the state average of 18.8%. The large discrepancy could potentially be due to the presence of wildlife crossing and the increased potential for vehicle-wildlife crashes and the presence of prior construction activities.

**Rear-end** crashes were the second most frequently occurring type of crashes occurring in the study, at 15.8%. However, it did not exceed the state average of 38.5%.

Figure 2-2 Collision Manner indicates the type of crashes and the crash types.

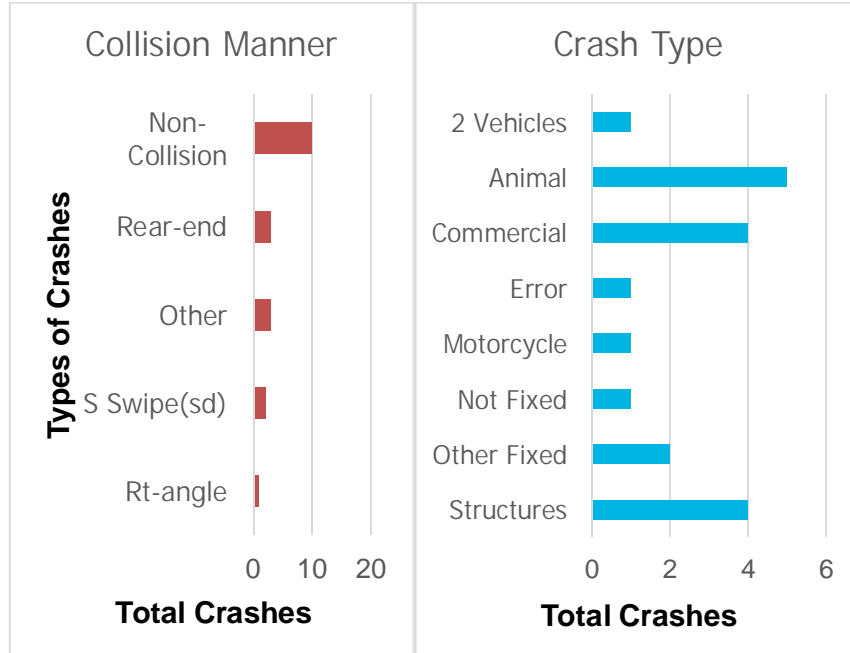


Figure 4-1 COLLISION MANNER

Manner of Collision	Total Crashes	State Avg	Prj Avg	Parish-wide Average (State Route)*	LA 23 Crash Rate
Non Coll	10	18.88%	54.55%	86.93	0.60
Rear End	3	38.49%	9.09%		
Head On	0	0.76%	0.00%		
Rt Angle	1	7.95%	0.00%		
Left Turn-e	0	2.33%	0.00%		
Left Turn-f	0	2.15%	0.00%		
Left Turn-g	0	2.05%	0.00%		
Right Turn-h	0	1.63%	0.00%		
Right Turn-i	0	0.15%	0.00%		
S Swipe(sd)	2	16.60%	9.09%		
S Swipe(od)	0	0.80%	0.00%		



Other	3	8.21%	27.27%		
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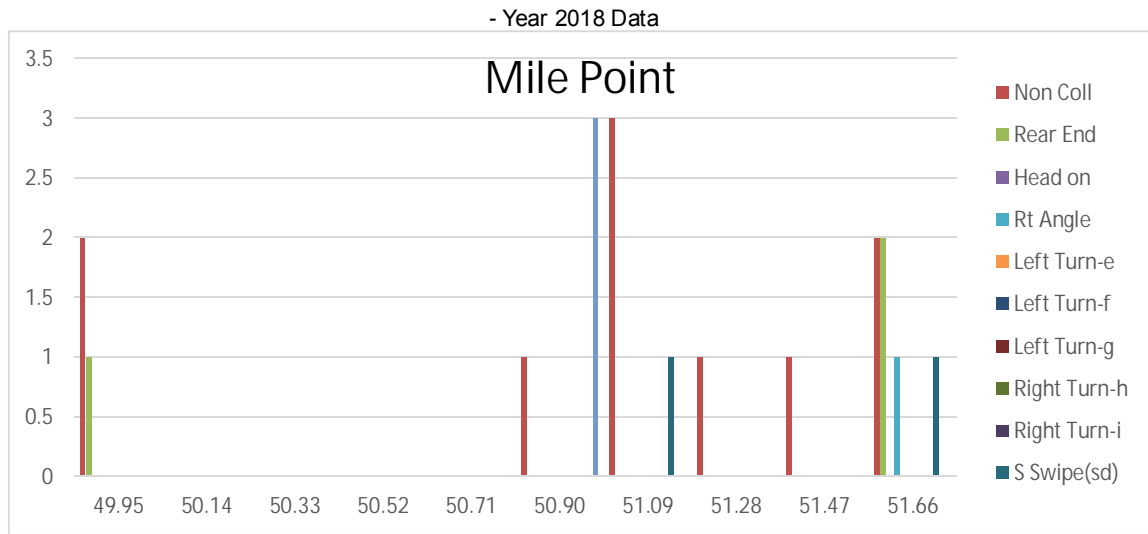


Figure 4-2 MILE POINTS

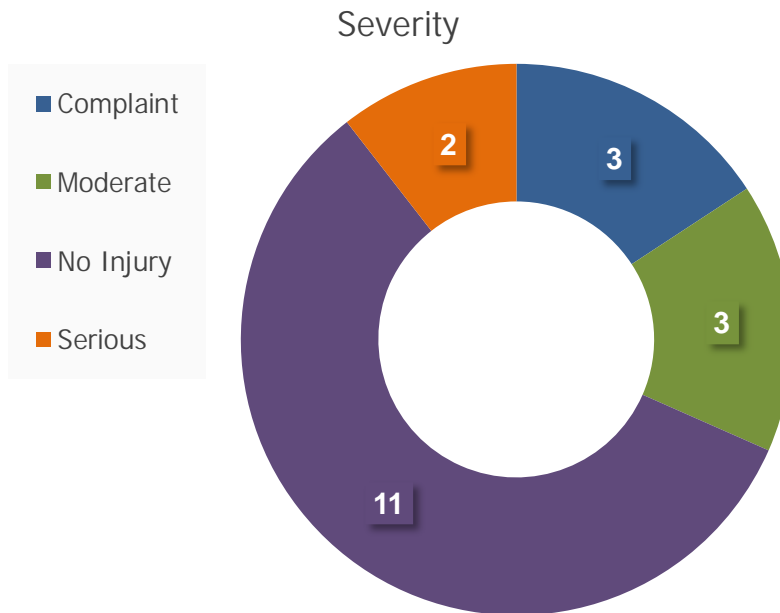


Figure 4-3 CRASH SEVERITY

Of the 19 crashes, 57.8% were non-injury crashes. Serious crashes only accounted for 10.5%. The moderate and complaint crashes hold values of 15.8% each.



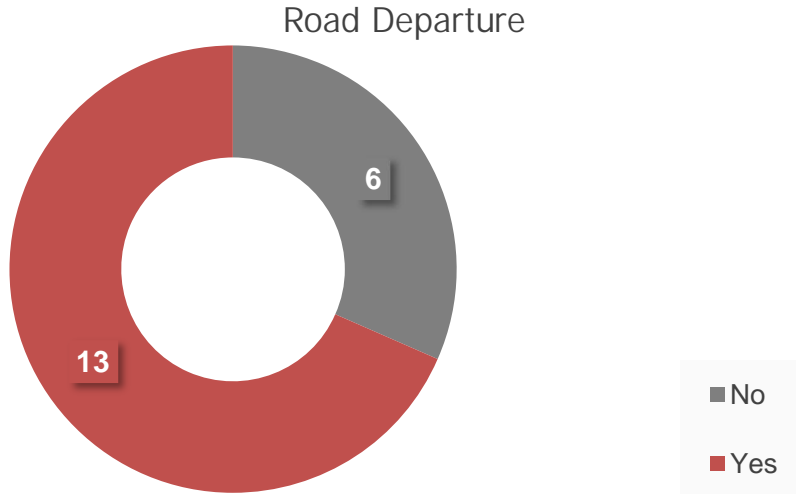


Figure 4-4 ROAD DEPARTURE

Due to the majority of crashes reporting as non-collision, there is a majority of road departure crashes at 68.4%. The other 31.6% crashes with no road departure were mainly collision crashes.

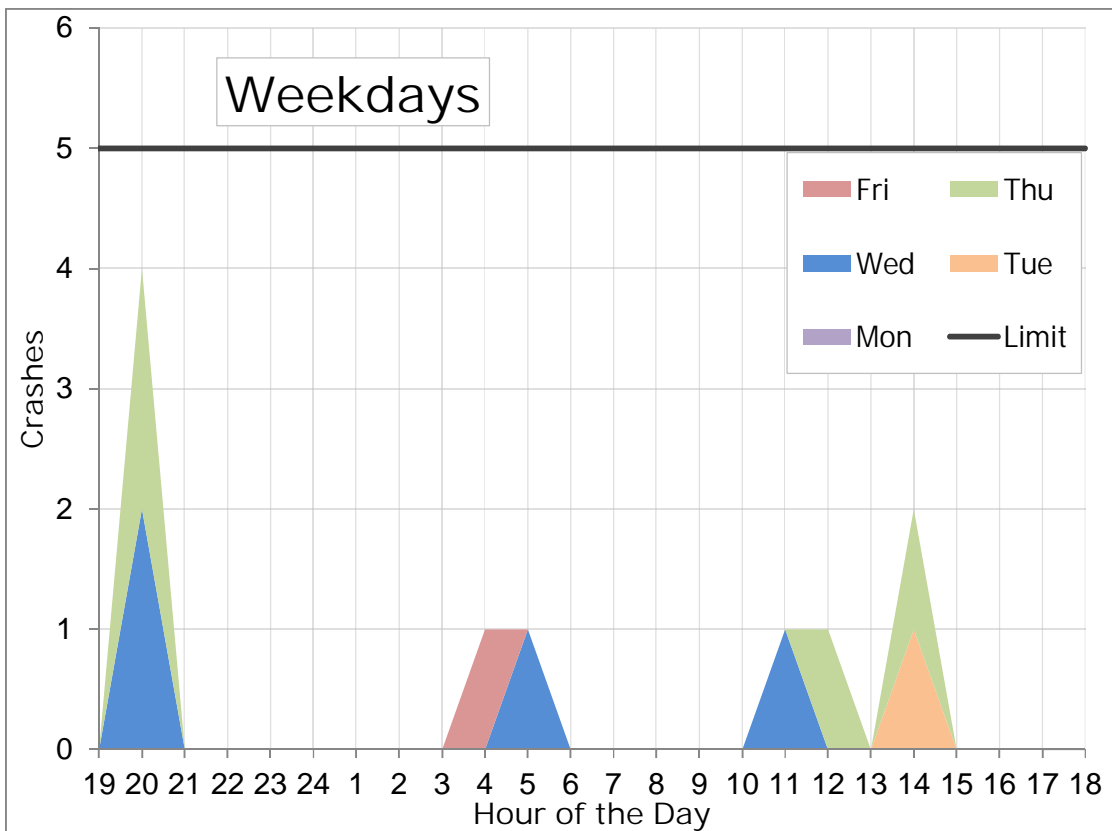


Figure 4-5 WEEKDAY OUTPUTS





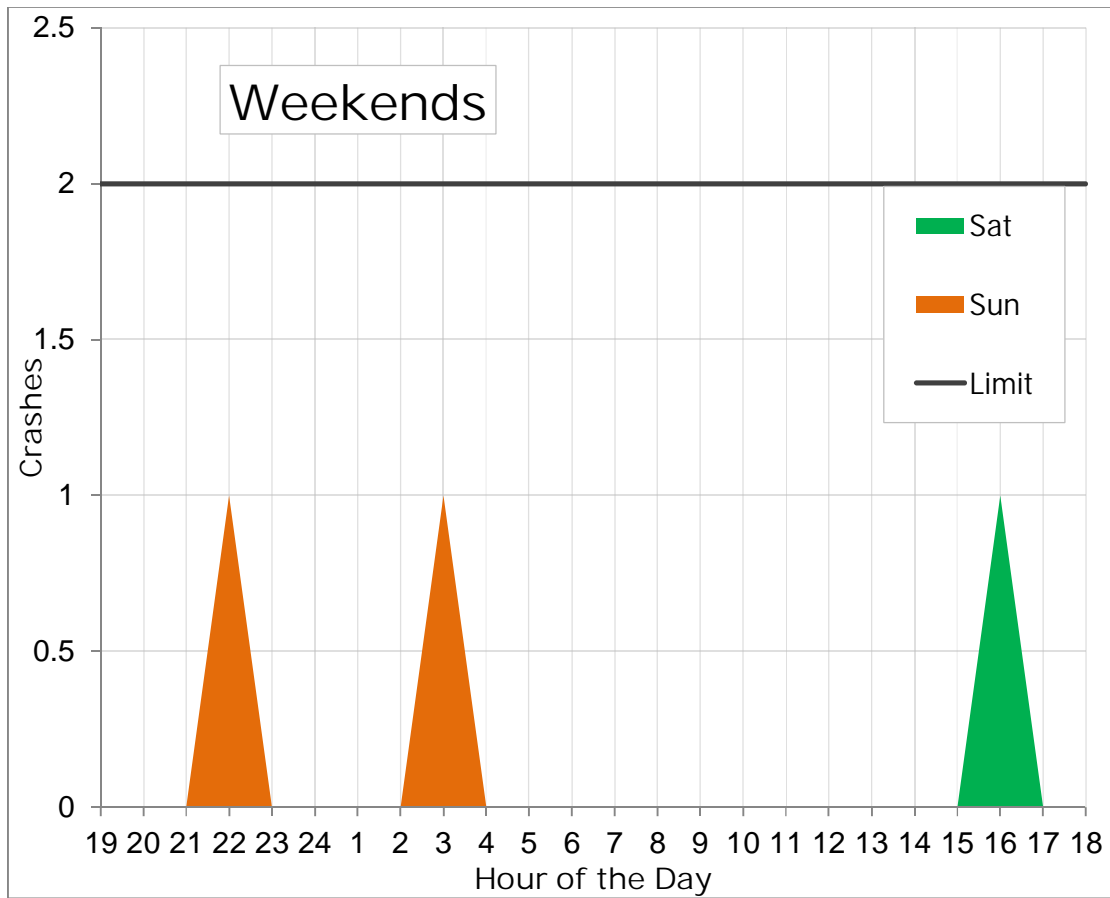


Figure 4-6 WEEKEND OUTPUTS

Including both weekday and weekend output rates, 64.4% occurred during the night between the hours of 7:00 PM and 6:00 AM. Daylight hour crashes only accounted for 35.6% of the crashes.



## 4.2 EXISTING NETWORK ANALYSIS

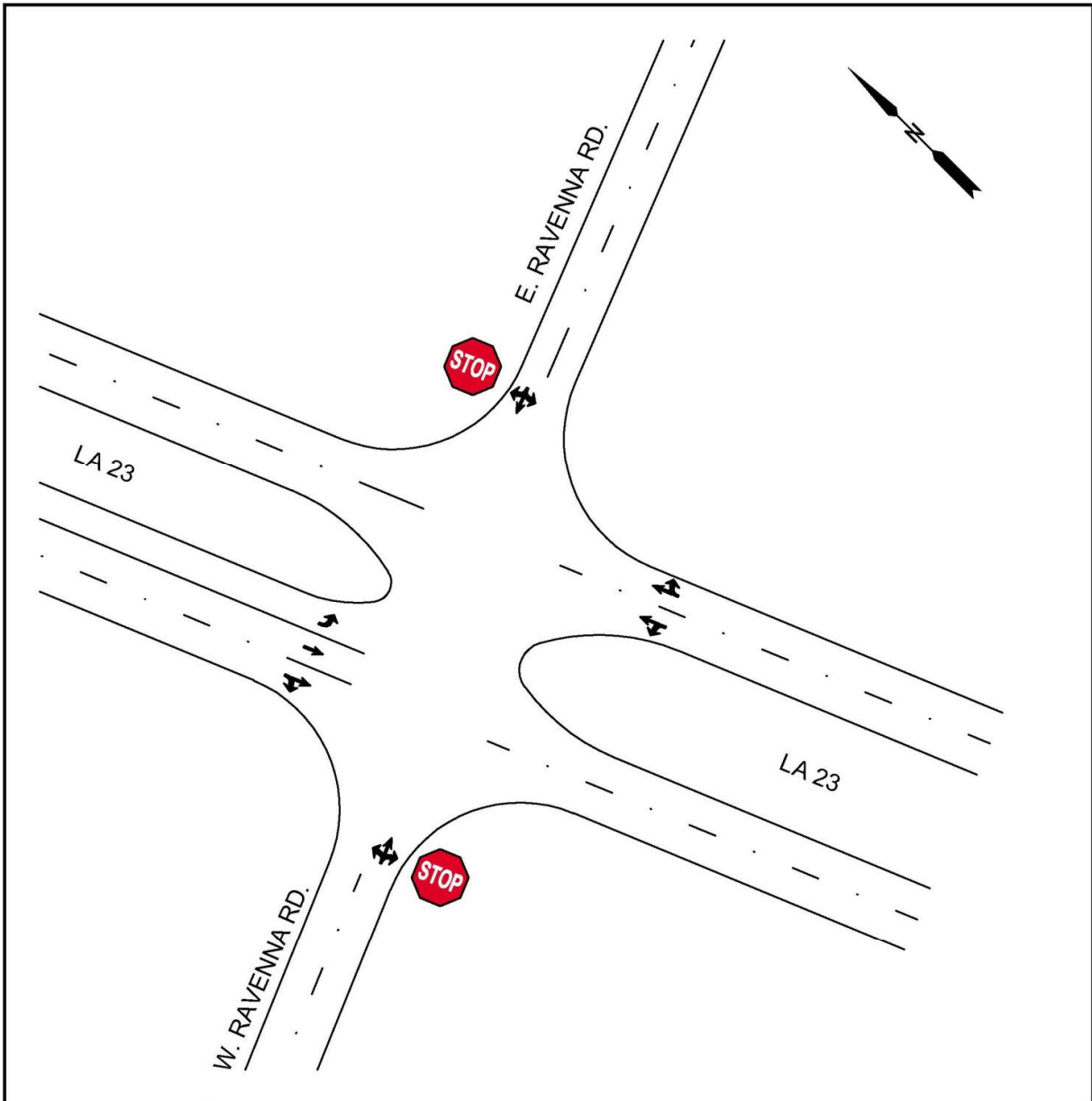
The existing analysis network included intersections and median turn-arounds from Ravenna Road to the Plaquemine Parish Access Road. A VISTRO model was created to analyze each intersection within the corridor. 2018 traffic counts were collected in May 2018, which included turning movement counts, as well as truck and bus percentages. This information along with the existing roadway geometry and used as the basis for analysis for the existing conditions. The Highway Capacity Manual (HCM) 6<sup>th</sup> Edition methodology was used for analysis and reporting.



### 4.2.1 INTERSECTION ANALYSIS

LA 23 at Ravenna Road is a four legged unsignalized intersection located within the northern limits of the project. The northbound leg has two through lanes with a shared right turn. The southbound leg has a through lane, a shared through and right lane, and an exclusive left turn lane. The eastbound and westbound legs both have a shared through, right, and left turn lane that is stop-sign protected. The intersection of LA 23 at Ravenna Road is represented in **Figure 2-7**.



Figure 4-7 EXISTING INTERSECTION OF LA 23 AT RAVENNA ROAD

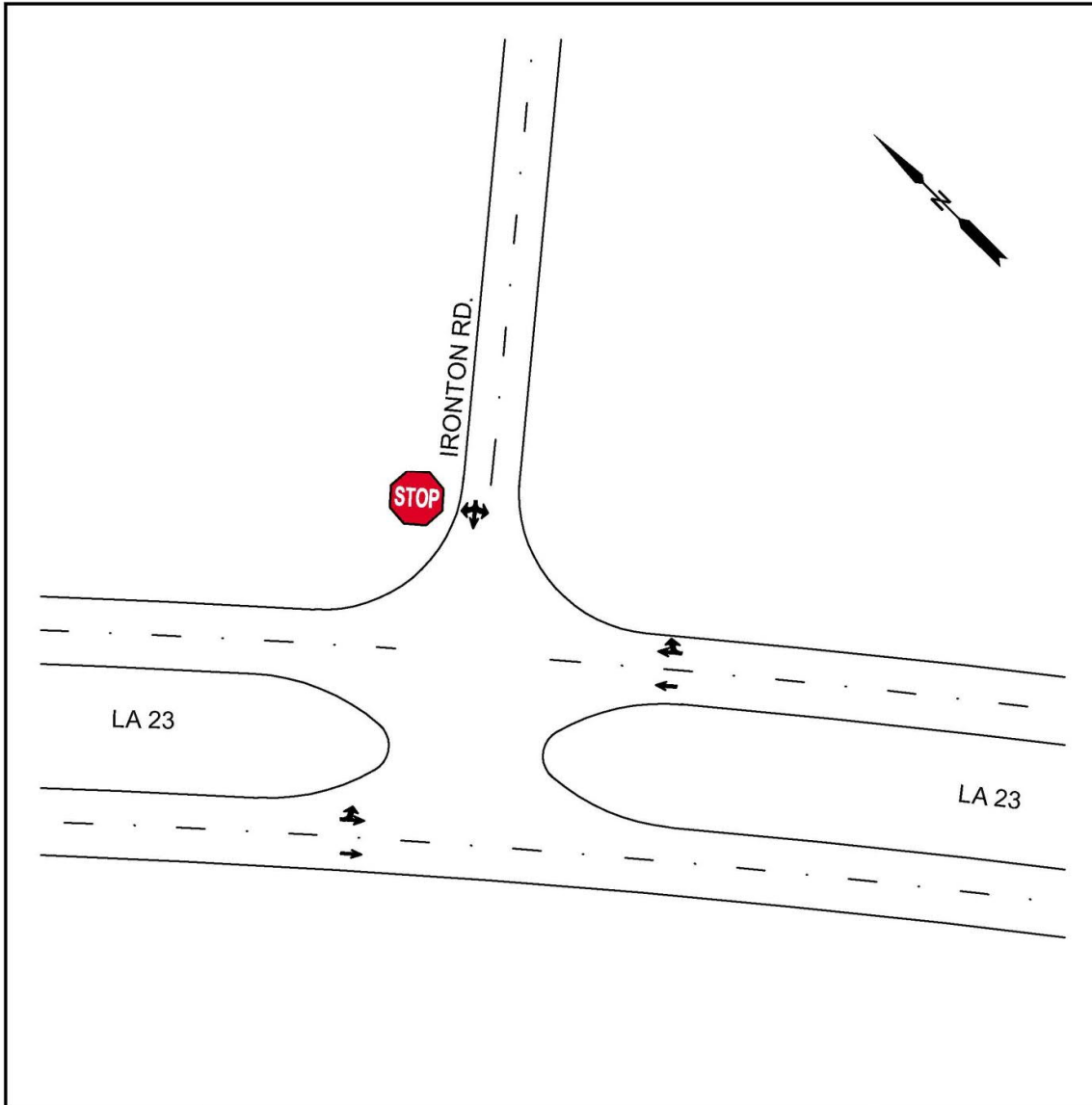




  7389 FLORIDA BOULEVARD SUITE 300 BATON ROUGE, LA 70806 225-922-5700	MID-BARATARIA SEDIMENT DIVERSION BOD		DRN BY: C.G. SERIGNEA
	FIGURE 2-7 EXISTING INTERSECTION OF LA 23 AND RAVENNA ROAD		DSN BY:
	CPRA PROJECT NUMBER: BA-153		APRD BY:
	AECOM PROJECT NUMBER: 60558019		DATE: JANUARY, 2018
			SHT NO: 1



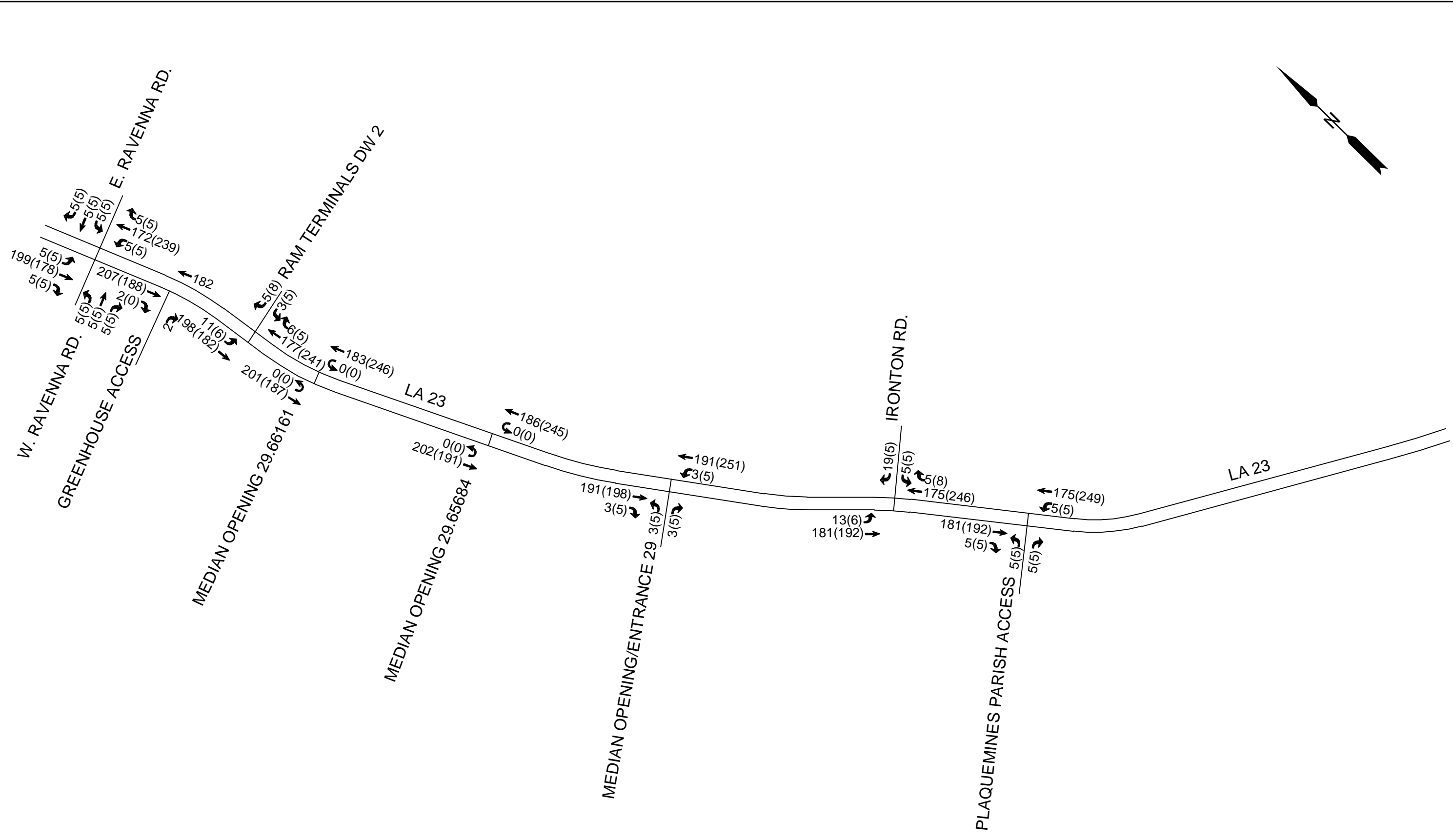
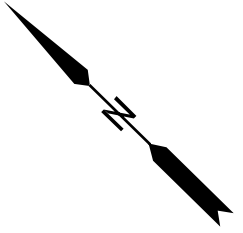
LA 23 at Ironton Road is a three-legged unsignalized intersection located within the southern limits of the project. The northbound leg has two through lanes with a shared right turn. The southbound leg has two through lanes with a shared left turn option. The westbound leg has a shared through, right, and left turn lane that is stop protected. The intersection of LA 23 at Ironton Road is represented in **Figure 2-8**.

Figure 4-8 EXISTING INTERSECTION OF LA 23 AT IRONTON ROAD



  7389 FLORIDA BOULEVARD SUITE 300 BATON ROUGE, LA 70806 225-922-5700	MID-BARATARIA SEDIMENT DIVERSION BOD		DRN BY: C.G. SERIGNEA
	FIGURE 2-8 EXISTING INTERSECTION OF LA 23 AND IRONTON ROAD		DSN BY:
	CPRA PROJECT NUMBER: BA-153		APRD BY:
	AECOM PROJECT NUMBER: 60558019		DATE: JANUARY, 2018
			SHT NO: 2



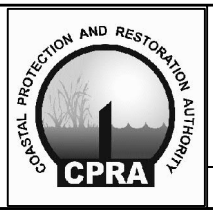


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**LEGEND**  
XXX(XXX) AM(PM)

<b>PRELIMINARY FOR PERMIT PURPOSE ONLY</b>					
MARK GONSKI ENGINEER OF RECORD	CIVIL DISCIPLINE				
LA STATE LICENSE NO. 26817	JULY 2018 DATE	REV.	DATE	DESCRIPTION	BY

**AECOM**  
7389 FLORIDA BOULEVARD  
SUITE 300  
BATON ROUGE, LA 70806  
225-922-5700



LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY  
**COASTAL ENGINEERING DIVISION**  
150 TERRACE AVENUE  
BATON ROUGE, LOUISIANA 70802

DRAWN BY: C.G.S.      DESIGNED BY: G.D. TRAHAN

MID-BARATARIA SEDIMENT DIVERSION PLAQUEMINES PARISH, LOUISIANA	
CPRA PROJECT NUMBER: BA-153	
AECOM PROJECT NUMBER: 60558019	
APPROVED BY:	APPROVED BY:

2018 TURNING MOVEMENT COUNTS	
DATE:	JULY 2018
DRAWING	FIGURE 2-9
SHEET	

## 4.3 SUMMARY AND FINDINGS OF OVERALL STUDY AREA

Results were evaluated using Ptv VISTRO and the results are shown in **Tables 2-1** through **2-4**. The program output files are included in **Appendix D**.

### 4.3.1 AM Peak Analysis

The Ptv VISTRO analysis shows that the intersections along the study area of LA 23 operate within an acceptable LOS of an A or B. There is no heavy queuing within the intersections. Overall the intersections within the study corridor operate within an acceptable LOS without much queuing.

Intersection Locations	NB		SB		EB		WB		OVERALL DELAY	LOS
	DELAY	LOS	DELAY	LOS	DELAY	LOS	DELAY	LOS		
<b>LA 23 at Ravenna Road</b>	0.21	A	0.18	A	10.29	B	10.22	B	<b>11.30</b>	<b>B</b>
<b>LA 23 at Greenhouse Access</b>	0.00	A	0.00	A	8.88	A	-	-	<b>8.90</b>	<b>A</b>
<b>LA 23 at Driveway 2</b>	0.00	A	0.40	A	-	-	9.34	A	<b>10.20</b>	<b>B</b>
<b>LA 23 at Median Opening 1</b>	0.00	A	0.00	A	-	-	-	-	<b>8.40</b>	<b>A</b>
<b>LA 23 at Median Opening 2</b>	0.00	A	0.00	A	-	-	-	-	<b>8.40</b>	<b>A</b>
<b>LA 23 at Median Opening 3</b>	0.12	A	0.00	A	9.51	A	-	-	<b>10.20</b>	<b>A</b>
<b>LA 23 at Ironton Road</b>	0.00	A	0.51	A	-	-	9.14	A	<b>10.20</b>	<b>B</b>
<b>LA 23 at Plaquemines Parish Access Driveway</b>	0.21	A	0.00	A	9.47	A	-	-	<b>10.10</b>	<b>B</b>



**Table 4 2 QUEUE LENGTH ANALYSIS OF EXISTING (2018) INTERSECTIONS AM**

Intersection Locations	NB			SB			EB			WB		
	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
	QUEUE LENGTH (95 <sup>TH</sup> ) [VEH/LN]			QUEUE LENGTH (95 <sup>TH</sup> ) [VEH/LN]			QUEUE LENGTH (95 <sup>TH</sup> ) [VEH/LN]			QUEUE LENGTH (95 <sup>TH</sup> ) [VEH/LN]		
<b>LA 23 at Ravenna Road</b>	0.01	0.01	0.00	0.01	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05
<b>LA 23 at Greenhouse Access</b>	-	0.00	-	-	0.00	0.00	-	-	0.01	-	-	-
<b>LA 23 at Driveway 2</b>	-	0.00	0.00	0.02	0.01	-	-	-	-	0.02	-	0.02
<b>LA 23 at Median Opening 1</b>	0.00	0.00	-	0.00	0.00	-	-	-	-	-	-	-
<b>LA 23 at Median Opening 2</b>	0.00	0.00	-	0.00	0.00	-	-	-	-	-	-	-
<b>LA 23 at Median Opening 3</b>	0.01	0.00	-	-	0.00	0.00	0.01	-	0.01	-	-	-
<b>LA 23 at Ironton Road</b>	-	0.00	0.00	0.03	0.01	-	0.06	-	0.06	-	-	-
<b>LA 23 at Plaquemines Parish Access Driveway</b>	0.01	0.01	-	-	0.00	0.00	0.02	-	0.02	-	-	-



### 4.3.2 PM Peak Analysis

The Ptv VISTRO analysis shows that the intersections along the study area of LA 23 operate within an acceptable LOS of an A or B. There is no heavy queuing within the intersections. Overall the intersections within the study corridor operate within an acceptable LOS without much queuing.

Table 4 3 Existing (2018) Intersection Operational Analysis PM										
Intersection Locations	NB		SB		EB		WB		OVERALL DELAY	LOS
	DELAY	LOS	DELAY	LOS	DELAY	LOS	DELAY	LOS		
LA 23 at Ravenna Road	0.15	A	0.21	A	10.37	B	10.61	B	11.70	B
LA 23 at Greenhouse Access	0.00	A	0.00	A	8.82	A	-	-	8.80	A
LA 23 at Driveway 2	0.00	A	0.25	A	-	-	9.58	A	10.50	B
LA 23 at Median Opening 1	0.00	A	0.00	A	-	-	-	-	8.60	A
LA 23 at Median Opening 2	0.00	A	0.00	A	-	-	-	-	8.60	A
LA 23 at Median Opening 3	0.15	A	0.00	A	9.63	A	-	-	10.40	B
LA 23 at Ironton Road	0.00	A	0.24	A	-	-	9.79	A	10.60	B
LA 23 at Plaquemines Parish Access Driveway	0.15	A	0.00	A	9.60	A	-	-	10.30	B





**Table 4 4 QUEUE LENGTH ANALYSIS OF EXISTING (2018) INTERSECTIONS PM**

Intersection Locations	NB			SB			EB			WB		
	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
	QUEUE LENGTH (95 <sup>TH</sup> ) [VEH/LN]			QUEUE LENGTH (95 <sup>TH</sup> ) [VEH/LN]			QUEUE LENGTH (95 <sup>TH</sup> ) [VEH/LN]			QUEUE LENGTH (95 <sup>TH</sup> ) [VEH/LN]		
<b>LA 23 at Ravenna Road</b>	0.01	0.01	0.00	0.01	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05
<b>LA 23 at Greenhouse Access</b>	-	0.00	-	-	0.00	0.00	-	-	0.00	-	-	-
<b>LA 23 at Driveway 2</b>	-	0.00	0.00	0.01	0.01	-	-	-	-	0.03	-	0.03
<b>LA 23 at Median Opening 1</b>	0.00	0.00	-	0.00	0.00	-	-	-	-	-	-	-
<b>LA 23 at Median Opening 2</b>	0.00	0.00	-	0.00	0.00	-	-	-	-	-	-	-
<b>LA 23 at Median Opening 3</b>	0.02	0.02	-	-	0.01	0.01	0.00	-	0.00	-	-	-
<b>LA 23 at Ironton Road</b>	-	0.02	0.02	0.00	0.00	-	0.01	-	0.01	-	-	-
<b>LA 23 at Plaquemines Parish Access Driveway</b>	0.02	0.02	-	-	0.01	0.01	0.00	-	0.00	-	-	-



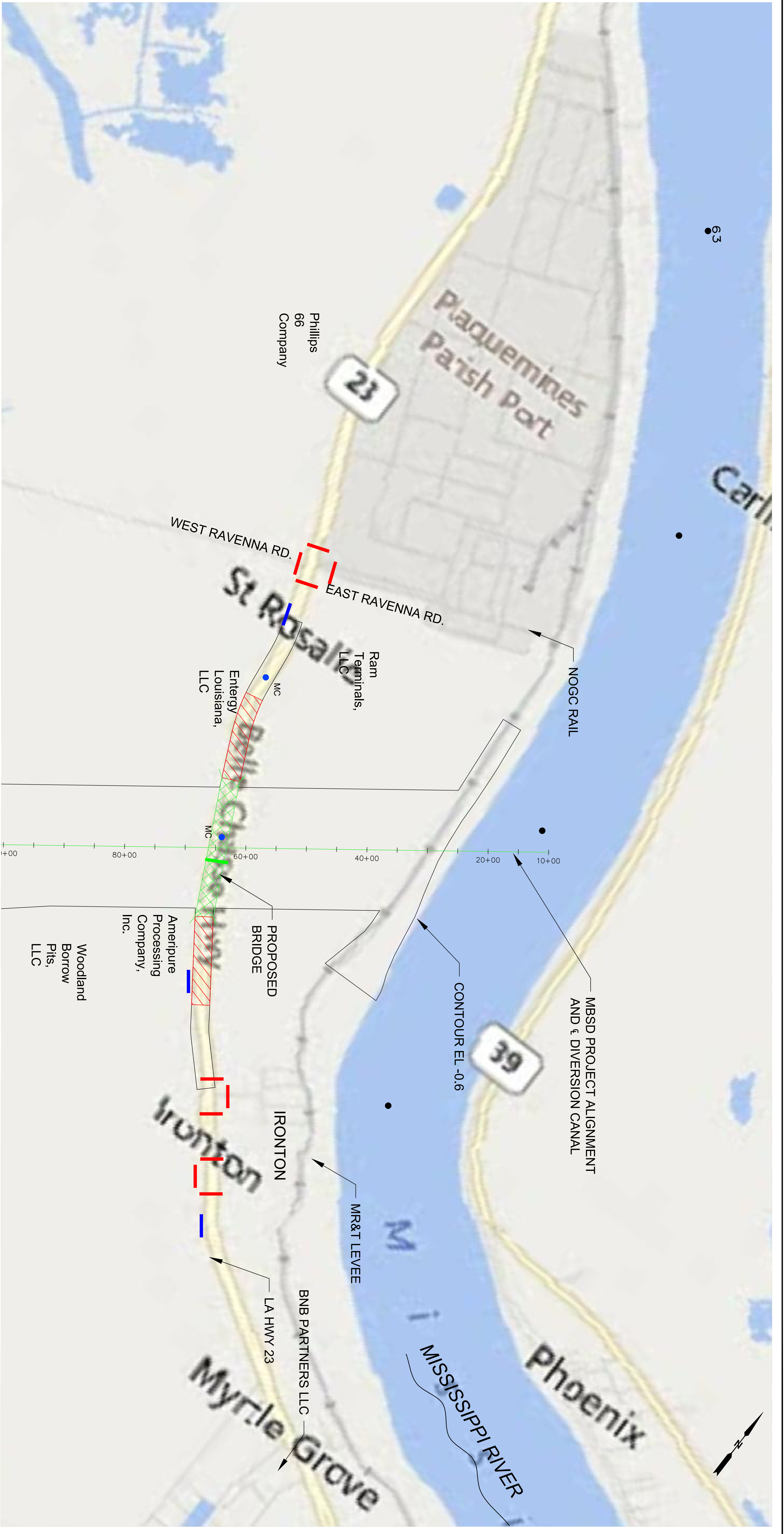
# Appendix A

## INITIAL DATA COLLECTION

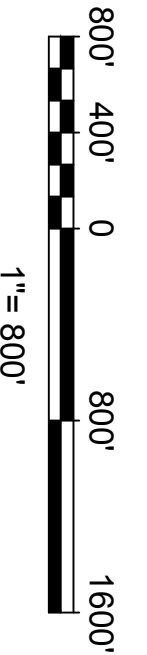
7-Day, 24 Hour Counts

Peak Period and Hour Analysis





- LEGEND:**
- █ 7 DAY - 24 HR COUNTS AND 48 HOUR COUNTS
  - █ 24 HR APPROACH COUNTS
  - █ DRIVEWAY COUNT
  - MC - MEDIAN COUNTS
  - ▨ PROPOSED BRIDGE
  - ▨ PROPOSED ROADWAY IMPROVEMENTS



**PRELIMINARY NOT FOR CONSTRUCTION**

MARK GONSKI  
ENGINEER-OF-RECORD  
LA 29817  
STATE LICENSE NO. \_\_\_\_\_

CIVIL DISCIPLINE  
OCTOBER 2018 DATE

REV.	DATE	DESCRIPTION	BY

**AECOM**

7389 FLORIDA BOULEVARD  
SUITE 300  
BATON ROUGE, LA 70806  
225-922-5700

LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY

**COASTAL ENGINEERING DIVISION**

150 TERRACE AVENUE  
BATON ROUGE, LOUISIANA 70802

DRAWN BY: PB      DESIGNED BY: JM

MID-BARATARIA SEDIMENT DIVERSION BOD PHASE	TRAFFIC COUNT LOCATIONS
CPRA PROJECT NUMBER: BA-153	DATE: OCTOBER 2018
AECOM PROJECT NUMBER: 60571915	SHEET: TCL
APPROVED BY: MG	

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC.txt

\* Tuesday, April 17, 2018 - Wednesday, April 18, 2018

Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
1500	85	0	19	27	1	7	2	0	1	1	0	0	0	0
68.7	75.5	0	39	27	1	7	1	0	0	1	0	0	0	0
1515	75.2	0	48	29	0	6	0	0	0	4	0	0	0	0
69.8	76.4	0	33	24	0	10	1	0	0	3	0	0	0	0
1530	73.1	0	27	29	2	4	1	0	0	2	0	0	0	0
70.5	74.3	0	22	36	1	1	0	0	0	1	0	0	0	0
1545	78.3	0	22	30	2	11	1	0	0	0	0	0	0	0
67.9	73.7	0	24	36	1	6	3	0	0	3	0	0	0	0
1600	73.5	0	24	22	0	3	1	0	0	0	0	0	0	0
68.1	77.0	0	16	21	0	5	1	0	1	1	0	0	0	1
1615	73.6	0	27	26	0	6	1	0	0	0	0	0	0	0
70.3	75.1	0	18	18	1	4	2	0	0	1	0	0	0	0
1630	78.8	0	19	22	0	4	1	0	0	1	1	0	0	0
67.4	75.9	0	17	30	1	2	0	0	2	0	0	0	0	0
1645	77.6	0	24	23	1	2	1	0	0	2	0	0	0	0
69.7	77.7	0	15	24	2	2	0	0	0	1	0	0	0	0
1700	74.0	0	11	21	2	1	1	0	0	2	0	0	0	0
69.2	76.9	0	11	23	1	4	0	0	0	1	0	0	0	0
1715	77.2	0	18	17	0	3	0	0	0	0	0	0	0	0
67.6	77.5	0	8	23	0	1	0	0	0	0	0	0	0	0
1730	78.1	0	7	17	0	6	1	0	0	1	0	0	0	0
69.5	75.0	0	6	14	2	2	0	0	0	0	0	0	0	0
1745	75.0	0	5	9	0	2	0	0	0	0	0	0	0	0
69.8	76.8	0	7	7	0	0	0	0	0	0	0	0	0	0
1800	73.2	0	6	5	0	0	0	0	0	0	0	0	0	0
69.1	73.8	0	3	6	0	0	1	0	0	0	0	0	0	0
1815	-	0	9	3	0	0	0	0	0	0	0	0	0	0
68.8	75.1	0	4	7	0	0	0	0	0	1	0	0	0	0
1830	71.9	0	4	7	0	0	0	0	0	1	0	0	0	0

	5	LA23	NB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt
2200	0	7	5	0	0	0	0	0	0	0	0	0	0	0
66.8	72.4													
2215	0	5	4	0	1	0	0	0	0	0	0	0	0	0
68.8	-													
2230	0	3	4	0	0	0	0	0	0	0	0	0	0	0
66.2	-													
2245	0	6	3	0	0	0	0	0	0	0	0	0	0	0
68.9	-													
2300	0	1	2	1	2	0	0	0	0	0	0	0	0	0
67.5	-													
2315	0	1	6	0	0	0	0	0	0	0	0	0	0	0
69.0	-													
2330	0	1	1	0	0	0	0	0	0	0	0	0	0	0
69.6	-													
2345	0	1	2	0	0	0	0	0	0	0	0	0	0	0
60.5	-													
0000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
75.7	-													
0015	0	2	3	0	0	0	0	0	0	0	0	0	0	0
66.6	-													
0030	0	1	1	0	0	0	0	0	0	0	0	0	0	0
65.8	-													
0045	0	3	4	0	0	0	0	0	0	0	0	0	0	0
71.1	-													
0100	0	1	0	0	0	0	0	0	0	0	0	0	0	0
69.6	-													
0115	0	1	1	0	0	0	0	0	0	0	0	0	0	0
69.1	-													
0130	0	0	1	0	0	0	0	0	0	0	0	0	0	0
73.3	-													
0145	0	0	0	0	0	0	0	1	0	0	0	0	0	0
69.5	-													
0200	0	1	1	0	0	0	0	0	0	0	0	0	0	0
61.3	-													
0215	0	0	2	0	1	0	0	0	0	0	0	0	0	0
66.4	-													
0230	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	-													
0245	0	2	2	0	0	0	0	0	3	0	0	0	0	0
66.9	-													
0300	0	1	0	0	2	0	0	0	0	0	0	0	0	0
73.9	-													
0315	0	2	2	0	0	0	0	0	0	0	0	0	0	0
73.2	-													
0330	0	3	2	0	0	0	0	0	0	0	0	0	0	0
64.0	-													
0345	0	2	4	0	0	0	0	0	0	0	0	0	0	0
66.7	-													
0400	0	5	4	0	1	0	0	0	1	0	0	0	0	0
60.9	72.0													
0415	0	7	4	0	0	0	0	0	0	0	0	0	0	0
71.7	80.4													
0430	0	7	3	0	1	0	0	0	0	0	0	0	0	0
70.9	80.0													
0445	0	7	5	0	0	0	0	0	0	0	0	0	0	0
67.8	74.8													
0500	0	5	8	0	0	0	0	0	0	0	0	0	0	0
67.1	72.1													
0515	0	6	6	0	0	0	0	0	0	0	0	0	0	0
67.5	74.5													
0530	0	11	8	0	2	0	0	0	0	0	0	0	0	0
67.0	71.7													
0545	0	15	9	0	2	0	0	0	0	0	0	0	0	0

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUI SIANA LLC. txt

69.6	76.9												
0600	0	13	15	0	3	2	0	0	0	0	0	0	0
65.1	69.5												
0615	0	32	13	1	4	1	0	0	0	0	0	0	0
66.8	73.0												
0630	0	29	27	1	1	0	0	0	0	0	0	0	1
70.2	76.7												
0645	0	33	18	1	0	0	0	0	0	0	0	0	0
71.3	79.7												
0700	0	27	19	0	4	0	0	0	1	0	0	0	0
69.7	78.0												
0715	0	30	16	2	3	0	0	1	0	0	0	0	0
69.5	76.7												
0730	0	23	12	0	3	1	0	0	1	0	0	0	0
66.6	73.0												
0745	0	24	13	0	2	0	0	0	0	0	0	0	0
66.8	74.6												
0800	0	21	10	2	2	1	0	0	0	0	0	0	0
67.7	71.4												
0815	0	31	20	1	1	1	0	0	3	0	0	0	0
67.5	73.3												
0830	0	28	24	2	1	3	0	0	0	0	0	0	0
67.5	73.2												
0845	0	25	18	0	1	1	0	1	0	0	0	0	0
69.0	76.3												
0900	0	21	33	0	7	0	1	0	1	0	0	0	0
68.1	73.6												
0915	0	35	39	0	2	1	0	0	3	0	0	0	0
70.0	75.3												
0930	0	22	21	1	4	1	0	0	2	0	0	0	0
67.4	72.9												
0945	0	14	19	0	3	1	0	0	1	0	0	0	2
63.5	73.2												
1000	0	26	17	1	1	2	0	1	1	0	0	0	0
66.3	75.2												
1015	0	23	21	1	5	4	0	0	4	0	0	0	0
68.0	74.0												
1030	0	19	16	1	3	2	0	0	0	0	0	0	0
66.0	71.8												
1045	0	24	27	4	2	1	0	0	1	0	0	0	0
66.8	75.1												
1100	1	22	31	1	5	2	0	0	1	1	0	0	0
68.0	76.1												
1115	0	16	16	0	2	0	0	0	2	0	0	0	0
67.7	76.2												
1130	0	16	25	0	4	2	0	0	1	0	0	0	0
66.8	75.2												
1145	0	16	16	2	1	2	0	0	0	0	0	0	0
65.6	71.5												
1200	0	20	24	2	3	1	0	0	2	0	0	0	0
66.6	73.0												
1215	0	21	27	1	0	0	0	1	2	0	0	0	0
64.0	70.7												
1230	0	14	17	1	6	1	0	0	1	0	0	0	0
65.2	70.2												
1245	0	23	19	2	1	3	0	0	2	0	0	0	0
66.4	71.0												
1300	0	16	23	2	2	3	0	1	0	1	0	0	0
66.3	71.1												
1315	0	21	20	0	7	2	0	0	3	0	0	0	0
68.7	74.8												
1330	0	22	32	1	6	0	0	1	1	0	0	0	0
68.0	74.5												

	5	LA23	NB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUI	SIANA	LLC.	txt
1345	1	19	20	0	8	1	1	0	3	1	0	0	0	1	
67.5	73.4														
1400	0	21	26	0	6	0	0	0	4	0	0	0	0	0	
68.1	75.4														
1415	0	22	24	3	6	1	0	0	0	1	0	0	0	0	
69.8	76.4														
1430	0	20	19	1	3	3	1	0	0	0	0	0	0	0	
69.1	76.0														
1445	0	19	18	0	5	2	0	0	1	0	0	0	0	0	
68.9	74.6														

* Wednesday, April 18, 2018 - Thursday, April 19, 2018														
Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
1500	85	1	16	24	4	7	2	0	0	2	0	0	0	0
68.9	75.0													
1515	0	21	29	0	4	3	0	0	0	0	0	0	0	0
69.4	74.3													
1530	0	42	42	0	14	1	0	0	0	0	0	0	0	0
70.1	75.7													
1545	0	17	29	0	6	1	1	0	2	0	0	0	0	0
71.0	79.1													
1600	0	18	26	2	7	1	0	0	0	0	0	0	0	0
70.2	75.7													
1615	0	30	32	2	3	0	0	1	2	0	0	0	0	0
70.5	79.3													
1630	0	26	28	1	7	1	0	1	1	0	0	0	0	1
69.5	75.0													
1645	0	34	34	3	9	0	0	0	1	0	0	0	0	0
70.3	77.7													
1700	0	22	31	0	8	2	0	0	2	0	0	0	0	0
70.7	76.8													
1715	1	25	22	0	2	0	0	1	1	0	0	0	0	0
68.5	74.7													
1730	0	17	28	0	2	2	0	0	1	0	0	0	0	1
69.2	73.5													
1745	0	28	17	0	7	1	0	0	2	0	0	0	0	0
69.8	76.3													
1800	0	16	21	1	3	0	0	1	3	0	0	0	0	0
69.5	75.1													
1815	0	24	28	0	5	1	0	0	0	0	0	0	0	0
71.5	79.0													
1830	0	19	16	0	2	0	0	0	0	0	0	0	0	0
69.4	76.3													
1845	0	13	15	0	3	0	0	0	2	0	0	0	0	0
69.3	76.0													
1900	0	10	14	0	4	0	0	1	1	0	0	0	0	0
69.5	79.1													
1915	0	16	13	0	5	0	0	0	0	0	0	0	0	0
71.5	78.3													
1930	1	7	17	1	4	0	0	0	1	0	0	0	0	0
68.4	78.0													
1945	0	14	10	0	1	0	0	0	2	0	0	0	0	0
69.2	77.3													
2000	0	8	8	0	2	0	0	0	0	0	0	0	0	0
68.9	76.5													
2015	0	7	7	0	7	0	0	0	0	0	0	0	0	0
68.1	71.3													
2030	0	2	10	0	6	0	0	0	1	0	0	0	0	0
69.5	77.6													
2045	0	7	8	0	0	0	0	0	1	0	0	0	0	0

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt

67.5	74.0												
2100	0	7	3	0	0	0	0	0	1	0	0	0	0
67.8	79.5												
2115	0	7	4	0	0	0	0	0	0	0	0	0	0
66.0	74.8												
2130	1	4	5	1	1	0	0	0	0	0	0	0	0
68.1	70.8												
2145	0	6	4	0	1	0	0	0	0	0	0	0	0
68.1	75.5												
2200	0	5	4	0	1	0	0	0	1	0	0	0	0
67.0	70.9												
2215	0	4	3	0	2	0	0	0	0	0	0	0	0
68.3	-												
2230	0	3	1	0	1	0	0	0	0	0	0	0	0
66.5	-												
2245	0	5	2	0	0	0	0	0	2	0	0	0	0
69.6	-												
2300	0	2	2	0	2	0	0	0	0	0	0	0	0
65.1	-												
2315	0	3	2	0	0	0	0	0	0	0	0	0	0
65.0	-												
2330	0	2	3	0	0	0	0	0	0	0	0	0	0
72.0	-												
2345	0	3	0	0	1	0	0	0	0	0	0	0	0
73.0	-												
0000	0	1	0	0	0	0	0	0	0	0	0	0	0
72.4	-												
0015	0	2	2	0	0	0	0	0	0	0	0	0	0
66.4	-												
0030	0	1	1	0	0	0	0	0	0	0	0	0	0
77.0	-												
0045	0	1	1	0	1	0	0	0	0	0	0	0	0
66.6	-												
0100	0	0	2	0	0	0	0	0	0	0	0	0	0
66.2	-												
0115	0	3	3	0	1	0	0	0	0	0	0	0	0
69.6	-												
0130	0	0	1	0	0	0	0	0	0	0	0	0	0
74.1	-												
0145	0	0	0	0	0	0	0	0	0	0	0	0	0
-	-												
0200	0	0	0	0	0	0	0	0	0	0	0	0	0
-	-												
0215	0	5	3	0	0	0	0	0	0	0	0	0	0
72.3	-												
0230	0	2	2	0	1	0	0	0	0	0	0	0	0
67.3	-												
0245	0	0	1	0	0	0	0	0	0	0	0	0	0
69.7	-												
0300	0	4	0	0	0	0	0	0	2	0	0	0	0
69.2	-												
0315	0	1	1	0	0	0	0	0	0	0	0	0	0
75.0	-												
0330	0	3	3	0	0	0	0	0	0	0	0	0	0
65.0	-												
0345	0	2	4	0	0	0	0	0	0	0	0	0	0
69.9	-												
0400	0	2	1	0	0	0	0	0	0	0	0	0	0
63.4	-												
0415	0	3	5	0	1	0	0	0	0	0	0	0	0
69.5	-												
0430	0	4	5	0	1	0	0	0	0	0	0	0	0
72.2	-												



	5	LA23	NB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt	
0445	0	13	3	0	0	1	0	0	0	0	0	0	0	0	0
69.5	74.4														
0500	0	9	5	0	0	0	0	0	0	0	0	0	0	0	0
70.2	73.8														
0515	0	1	10	0	0	0	0	0	0	1	0	0	0	0	0
66.3	73.8														
0530	0	13	16	0	0	0	0	0	0	1	0	0	0	0	0
67.5	74.4														
0545	0	9	15	0	2	0	1	0	1	0	0	0	0	0	0
66.9	75.0														
0600	0	10	18	0	1	2	0	0	0	0	0	0	0	0	0
66.8	70.0														
0615	0	27	14	1	3	0	0	0	0	0	0	0	0	0	0
69.0	75.3														
0630	0	31	14	1	2	0	0	0	0	0	0	0	0	0	0
70.3	77.5														
0645	0	34	9	0	4	0	0	0	0	1	0	0	0	0	0
69.1	75.2														
0700	0	20	19	0	1	0	0	0	0	0	0	0	0	0	0
69.9	76.4														
0715	0	22	12	3	6	0	0	0	0	1	0	0	0	0	0
66.5	72.8														
0730	0	26	16	1	5	1	0	0	0	0	0	0	0	0	0
67.7	74.5														
0745	0	23	15	0	0	1	0	0	0	0	0	0	0	0	0
64.7	71.2														
0800	1	18	21	0	1	1	0	0	1	0	0	0	0	0	0
67.2	73.2														
0815	1	18	22	2	2	0	0	0	0	0	0	0	0	0	0
66.4	71.7														
0830	0	24	24	0	0	4	0	0	3	0	0	0	0	0	0
67.2	72.6														
0845	0	26	24	3	8	1	0	0	3	0	0	0	0	1	1
65.8	71.2														
0900	0	23	24	0	7	4	0	0	0	0	0	0	0	0	0
69.0	76.6														
0915	0	25	19	1	5	1	0	0	2	0	0	0	0	0	0
69.4	75.5														
0930	0	23	30	0	5	0	0	0	0	1	0	0	0	0	0
69.3	77.0														
0945	0	17	17	0	5	1	0	0	1	0	0	0	0	0	0
68.3	75.0														
1000	0	26	19	0	6	1	0	0	2	0	0	0	0	0	0
67.7	74.2														
1015	0	21	26	1	3	3	0	0	1	0	0	0	0	0	0
66.3	71.5														
1030	0	23	15	1	0	2	0	0	1	0	0	0	0	0	0
66.7	71.3														
1045	0	19	14	2	4	3	0	0	1	1	0	0	0	0	0
66.9	72.4														
1100	1	16	23	1	6	2	0	0	1	1	0	0	0	0	0
66.9	73.1														
1115	0	15	20	0	3	0	0	0	1	0	0	0	0	0	0
68.8	78.5														
1130	0	21	24	1	3	7	0	0	0	0	0	0	0	0	0
68.3	75.1														
1145	0	19	17	0	5	1	0	1	1	0	0	0	0	0	0
69.5	74.5														
1200	0	19	23	1	1	3	0	0	0	0	0	0	0	0	0
68.6	77.5														
1215	0	22	20	3	9	0	1	0	2	0	0	0	0	0	0
69.2	75.0														
1230	0	9	20	1	2	1	0	0	2	0	0	0	0	0	0

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUI SIANA LLC. txt

66.8	72.5													
1245	0	28	18	2	5	3	0	0	2	1	0	0	0	0
65.9	74.2													
1300	0	28	20	1	8	1	0	1	1	0	0	0	0	0
69.6	74.5													
1315	0	13	27	2	5	0	0	0	1	0	0	0	0	0
67.3	73.8													
1330	0	18	29	3	6	0	0	0	3	0	0	0	0	0
67.5	72.5													
1345	0	15	12	1	5	4	0	0	1	0	0	0	0	0
68.2	72.2													
1400	0	19	10	0	2	3	0	1	3	1	0	0	0	0
67.9	75.3													
1415	0	16	16	2	10	3	0	0	2	0	0	0	0	0
68.1	73.4													
1430	0	21	31	1	5	2	0	0	0	0	0	0	0	0
67.9	73.8													
1445	0	24	26	3	3	1	0	1	1	0	0	0	0	0
67.2	72.5													

\* Thursday, April 19, 2018 - Friday, April 20, 2018

Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
1500	85	0	23	24	5	5	1	0	0	1	0	0	0	0
68.0	74.6													
1515	1	23	36	0	11	2	0	0	2	0	0	0	0	0
67.7	73.0													
1530	0	51	29	0	7	1	0	0	4	0	0	0	0	0
69.3	73.0													
1545	0	25	29	2	3	0	0	0	0	0	0	0	0	0
66.5	72.5													
1600	0	28	25	6	12	0	0	0	1	0	0	0	0	0
68.1	73.3													
1615	0	29	29	2	5	0	0	0	4	0	0	0	0	0
69.0	74.4													
1630	0	23	29	0	4	1	0	0	2	0	0	0	0	0
68.8	77.2													
1645	1	32	28	0	9	2	0	1	0	0	0	0	0	0
68.6	74.4													
1700	0	17	25	1	6	1	0	0	0	0	0	0	0	0
68.7	76.8													
1715	0	23	26	0	5	0	0	0	1	0	0	0	0	0
70.5	76.9													
1730	0	21	24	4	4	0	0	0	4	0	0	0	0	0
68.1	75.1													
1745	0	21	22	1	4	0	0	0	0	0	0	0	0	0
70.4	78.0													
1800	0	21	17	0	3	0	0	0	1	0	0	0	0	0
68.8	75.6													
1815	0	22	12	1	3	1	0	0	3	1	0	0	0	0
69.5	77.1													
1830	0	19	17	0	8	0	0	0	0	0	0	0	0	0
70.1	76.6													
1845	0	16	11	1	3	0	0	0	0	0	0	0	0	0
69.3	74.8													
1900	0	12	21	0	3	0	0	0	0	0	0	0	0	0
69.7	76.2													
1915	0	12	17	0	5	0	0	0	1	0	0	0	0	0
68.8	76.8													
1930	0	6	13	0	4	0	0	0	2	0	0	0	0	1
64.8	72.1													

	5	LA23	NB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt
1945	0	7	11	0	4	0	0	0	0	1	0	0	0	0
67.4	76.2													
2000	0	13	13	0	1	0	0	1	0	0	0	0	0	0
67.6	73.9													
2015	0	10	15	1	4	0	0	0	0	0	0	0	0	0
66.7	74.3													
2030	0	7	9	0	2	0	0	0	0	0	0	0	0	0
70.2	74.9													
2045	0	9	3	0	1	0	0	0	1	0	0	0	0	0
64.3	72.4													
2100	0	7	4	0	1	0	0	0	0	0	0	0	0	0
64.8	69.7													
2115	0	13	4	0	1	0	0	0	0	0	0	0	0	0
70.3	81.4													
2130	0	3	4	0	0	0	0	0	1	0	0	0	0	0
71.4	-													
2145	0	3	2	0	1	0	0	0	0	0	0	0	0	0
67.4	-													
2200	0	9	2	0	0	0	0	1	0	0	0	0	0	0
64.0	69.2													
2215	0	5	7	0	1	0	0	0	0	0	0	0	0	0
64.3	70.7													
2230	0	1	2	0	0	0	0	0	1	0	0	0	0	0
67.7	-													
2245	0	5	3	0	1	0	0	0	0	0	0	0	0	0
71.7	-													
2300	0	5	2	0	2	0	0	1	0	0	0	0	0	0
71.0	-													
2315	0	0	1	0	0	0	0	0	0	0	0	0	0	0
70.5	-													
2330	0	3	1	0	0	0	0	0	0	0	0	0	0	0
62.1	-													
2345	0	2	5	0	0	0	0	0	0	0	0	0	0	0
66.9	-													
0000	0	4	1	0	0	0	0	0	0	0	0	0	0	0
69.5	-													
0015	0	0	2	0	2	0	0	0	0	0	0	0	0	0
69.6	-													
0030	0	1	1	0	0	0	0	0	0	0	0	0	0	0
63.5	-													
0045	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	-													
0100	0	0	2	0	0	0	0	0	0	0	0	0	0	0
56.1	-													
0115	0	0	2	0	0	0	0	0	0	0	0	0	0	0
71.8	-													
0130	0	0	4	0	0	0	0	0	0	0	0	0	0	0
71.9	-													
0145	0	1	1	0	0	0	0	0	0	0	0	0	0	0
66.5	-													
0200	0	0	1	0	0	0	0	0	0	0	0	0	0	0
65.1	-													
0215	0	0	1	0	0	0	0	0	0	0	0	0	0	0
57.0	-													
0230	0	1	0	0	0	0	0	0	2	0	0	0	0	0
68.7	-													
0245	0	0	2	0	0	0	0	0	0	0	0	0	0	0
68.9	-													
0300	0	0	1	0	0	0	0	0	0	0	0	0	0	0
75.0	-													
0315	0	0	1	0	0	0	0	0	0	0	0	0	0	0
66.8	-													
0330	0	1	1	0	0	0	0	0	0	0	0	0	0	0

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUI SIANA LLC. txt

64.4	-												
0345	0	6	2	0	0	0	0	0	0	0	0	0	0
67.6	-												
0400	0	3	1	0	0	0	0	0	0	0	0	0	0
68.4	-												
0415	0	2	2	0	2	0	0	0	1	0	0	0	0
70.0	-												
0430	0	5	4	0	0	0	0	1	1	0	0	0	0
67.7	72.3												
0445	0	8	6	0	0	0	0	0	0	0	0	0	0
68.5	73.9												
0500	0	4	7	0	1	0	0	0	0	0	0	0	0
74.1	86.4												
0515	0	6	5	0	0	0	0	0	0	0	0	0	0
67.7	74.9												
0530	0	14	10	0	0	0	0	0	0	0	0	0	0
67.4	73.5												
0545	0	13	13	0	4	0	0	0	0	0	0	0	0
66.7	73.2												
0600	0	12	15	0	2	0	0	0	1	0	0	0	0
68.3	76.3												
0615	0	19	17	2	2	2	0	0	1	0	0	0	0
67.6	74.7												
0630	0	23	12	1	3	0	0	0	0	0	0	0	0
67.5	74.6												
0645	0	27	12	1	3	0	0	0	1	0	0	0	0
71.5	81.8												
0700	0	19	14	0	1	0	0	0	0	0	0	0	0
69.7	76.6												
0715	0	31	12	2	1	1	0	0	0	0	0	0	0
70.1	76.7												
0730	0	21	13	0	1	0	0	0	0	0	0	0	0
70.4	78.5												
0745	0	24	13	0	4	0	0	0	0	0	0	0	0
66.9	73.5												
0800	0	17	18	0	6	0	0	0	3	0	0	0	0
66.2	72.5												
0815	0	24	22	0	3	0	0	0	2	0	0	0	0
69.4	74.9												
0830	0	26	16	1	3	1	0	0	1	0	0	0	0
69.2	75.3												
0845	0	13	13	0	6	3	1	0	1	0	0	0	0
65.0	71.9												
0900	0	25	25	1	1	0	0	0	0	0	0	0	1
67.8	74.9												
0915	0	32	34	0	8	2	0	0	3	0	0	0	1
67.6	71.2												
0930	0	22	22	2	2	3	0	0	2	0	0	0	0
67.5	73.6												
0945	0	27	22	0	5	0	0	0	3	0	0	0	0
69.2	76.1												
1000	0	19	22	0	5	0	1	0	1	0	0	0	0
69.6	75.6												
1015	0	17	25	0	2	2	0	0	0	1	0	0	1
68.6	75.0												
1030	0	20	26	0	2	0	0	0	1	0	0	0	0
69.0	75.6												
1045	0	22	14	0	4	0	0	0	0	1	0	0	0
65.1	71.9												
1100	0	21	14	2	7	3	0	0	3	0	0	0	0
67.8	74.6												
1115	0	35	21	0	4	5	0	0	4	0	0	0	0
66.7	73.5												

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENERGY LOUISIANA LLC. txt														
1130	0	32	26	0	8	0	0	0	4	0	0	0	0	0
65.9	71.0													
1145	0	20	20	1	3	1	0	0	4	0	0	0	0	0
67.6	74.5													
1200	1	17	20	1	4	1	0	0	2	1	0	0	0	0
66.2	70.3													
1215	0	24	23	0	8	1	0	0	1	0	0	0	0	0
69.6	77.5													
1230	0	22	25	1	3	1	0	0	3	2	0	0	0	0
69.6	78.0													
1245	0	29	11	0	4	1	1	0	1	0	0	0	0	0
67.1	73.4													
1300	0	18	17	2	3	0	0	0	1	0	0	0	0	0
67.0	75.1													
1315	0	21	14	1	5	1	0	0	2	1	0	0	0	0
66.3	72.1													
1330	0	18	28	1	3	0	0	0	3	0	0	0	0	0
69.6	76.6													
1345	0	18	19	1	2	0	0	1	0	0	0	0	0	0
67.6	71.6													
1400	0	14	17	0	3	1	0	0	0	0	0	0	0	0
67.5	75.2													
1415	1	13	33	0	10	1	0	0	0	0	0	0	0	1
65.4	72.8													
1430	0	32	34	0	6	2	0	0	2	0	0	0	0	0
67.8	74.8													
1445	0	20	21	2	4	2	0	0	1	1	0	0	0	0
68.8	75.8													

* Friday, April 20, 2018 - Saturday, April 21, 2018														
Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s
Mean	Vpp													
	85	1	2	3	4	5	6	7	8	9	10	11	12	13
1500	0	26	27	2	8	0	0	0	1	0	0	0	0	0
67.8	74.6													
1515	0	36	37	0	3	1	0	0	1	1	0	0	0	0
70.2	78.1													
1530	1	37	36	0	8	3	0	0	2	0	0	0	0	0
70.9	77.4													
1545	1	22	30	2	4	2	1	0	1	0	0	0	0	0
68.8	73.2													
1600	0	30	23	2	4	1	0	0	1	0	0	0	0	0
67.9	74.7													
1615	0	27	22	3	5	1	0	0	1	0	0	0	0	0
69.7	76.6													
1630	0	29	22	1	4	0	0	1	2	0	0	0	0	0
67.8	74.1													
1645	0	39	32	0	5	2	0	0	3	0	0	0	0	0
70.8	76.2													
1700	0	35	42	0	6	1	0	0	2	0	0	0	0	0
70.7	74.6													
1715	0	28	23	0	5	0	0	1	0	0	0	0	0	0
69.6	78.2													
1730	0	21	22	1	1	0	0	0	1	0	0	0	0	0
68.2	73.4													
1745	1	7	5	0	1	0	0	0	0	0	0	0	0	0
73.4	81.3													
1800	0	2	6	0	0	0	0	0	0	0	0	0	0	0
74.8	-													
1815	0	5	7	0	1	0	0	0	0	0	0	0	0	0
71.7	80.0													
1830	0	5	6	1	1	0	0	0	0	0	0	0	0	0

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt

71.1	78.6												
1845	0	15	19	1	4	0	0	0	1	0	0	0	0
69.6	74.8												
1900	0	20	15	0	3	1	0	0	0	0	0	0	0
69.0	75.5												
1915	0	18	19	0	3	0	0	1	1	0	0	0	0
68.2	73.9												
1930	0	30	18	0	5	0	0	0	0	0	0	0	0
68.8	75.0												
1945	0	20	22	0	4	0	0	0	1	0	0	0	0
67.7	74.1												
2000	0	15	12	0	2	0	0	0	0	0	0	0	0
67.9	74.8												
2015	0	19	13	0	2	0	0	0	0	0	0	0	0
66.1	74.4												
2030	0	19	9	1	3	0	0	0	0	0	0	0	0
68.1	74.5												
2045	0	12	7	0	0	0	0	0	0	0	0	0	0
68.6	77.8												
2100	0	11	11	1	1	0	0	0	0	0	0	0	0
66.9	75.2												
2115	0	9	10	1	1	0	0	0	0	0	0	0	0
65.3	72.0												
2130	0	5	11	0	2	0	0	0	0	0	0	0	0
68.0	80.0												
2145	0	7	2	0	2	0	0	0	0	0	0	0	0
69.1	81.6												
2200	0	11	2	0	4	0	0	0	0	0	0	0	0
68.1	75.3												
2215	0	7	10	0	1	0	0	0	0	0	0	0	0
68.4	72.6												
2230	0	11	4	0	0	0	0	0	0	0	0	0	0
67.1	76.9												
2245	0	10	8	0	1	0	0	0	1	0	0	0	0
69.1	79.6												
2300	0	6	9	0	0	0	0	0	0	0	0	0	0
68.0	77.7												
2315	0	6	6	0	1	0	0	0	0	0	0	0	0
69.9	80.2												
2330	0	3	1	0	2	0	0	0	0	0	0	0	0
63.2	-												
2345	0	4	3	0	0	0	0	0	0	0	0	0	0
63.8	-												
0000	0	2	3	1	2	0	0	0	0	0	0	0	0
67.6	-												
0015	0	0	2	1	1	0	0	0	0	0	0	0	0
64.7	-												
0030	0	2	4	0	0	0	0	0	1	0	0	0	0
68.0	-												
0045	0	2	3	0	0	0	0	0	0	0	0	0	0
69.8	-												
0100	0	3	0	0	1	0	0	1	0	0	0	0	0
64.6	-												
0115	0	2	4	0	0	0	0	0	0	0	0	0	0
67.6	-												
0130	0	1	1	0	0	0	0	0	0	0	0	0	0
63.8	-												
0145	0	1	2	0	0	0	0	0	0	0	0	0	0
66.7	-												
0200	0	0	2	0	0	0	0	0	0	0	0	0	0
62.9	-												
0215	0	1	2	0	0	0	0	1	0	0	0	0	0
54.4	-												

	5	LA23	NB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt	
0230	0		3	0	0	1	0	0	0	0	0	0	0	0	0
70.6	-														
0245	0		1	0	0	0	0	0	0	0	0	0	0	0	0
70.3	-														
0300	0		2	4	0	0	0	0	0	0	0	0	0	0	0
74.7	-														
0315	0		2	4	0	0	0	0	0	0	0	0	0	0	0
71.9	-														
0330	0		3	1	0	0	0	0	0	0	1	0	0	0	0
68.5	-														
0345	0		1	1	0	0	0	0	0	0	0	0	0	0	0
71.1	-														
0400	0		1	2	0	1	0	0	0	1	0	0	0	0	0
69.4	-														
0415	0		1	1	0	0	1	0	0	0	0	0	0	0	0
69.8	-														
0430	0		2	1	0	0	1	0	0	0	0	0	0	0	0
73.4	-														
0445	0		5	7	0	1	0	0	1	0	0	0	0	0	0
66.8	72.4														
0500	0		3	1	0	0	0	0	0	0	0	0	0	0	0
70.8	-														
0515	0		10	6	0	1	0	0	0	0	0	0	0	0	0
69.1	76.3														
0530	0		4	0	0	2	0	0	0	0	1	0	0	0	0
67.4	-														
0545	0		11	5	0	0	0	0	0	0	0	0	0	0	0
69.7	75.2														
0600	0		10	6	0	2	0	0	0	0	0	0	0	0	0
71.8	79.2														
0615	0		10	9	0	0	0	0	0	0	0	0	0	0	0
73.4	78.6														
0630	0		6	7	0	0	0	0	0	0	0	0	0	0	0
72.5	81.8														
0645	0		6	14	0	1	1	0	0	0	0	0	0	0	0
68.8	75.6														
0700	0		8	7	0	1	0	0	0	0	0	0	0	0	0
68.6	71.9														
0715	0		11	8	0	2	0	0	0	1	0	0	0	0	0
69.3	76.0														
0730	0		12	10	0	1	0	0	0	1	0	0	0	0	0
69.1	77.1														
0745	0		23	10	0	1	0	0	0	1	0	0	0	0	0
69.7	74.6														
0800	0		10	8	1	0	0	0	0	0	0	0	0	0	0
66.0	74.5														
0815	0		18	6	0	4	0	0	1	0	0	0	0	0	0
71.5	77.7														
0830	0		15	15	0	1	0	0	1	0	0	0	0	0	0
69.0	77.1														
0845	0		23	13	0	2	0	0	0	0	0	0	0	0	0
68.2	72.0														
0900	0		13	16	0	0	0	0	0	1	0	0	0	0	0
65.5	71.5														
0915	0		16	13	1	2	0	0	0	2	0	0	0	0	0
70.0	79.1														
0930	0		15	12	0	3	0	0	0	0	0	0	0	0	0
70.2	78.7														
0945	0		20	19	0	6	1	0	0	0	0	0	0	0	0
67.0	74.2														
1000	0		21	20	0	1	0	0	0	1	0	0	0	0	0
69.7	74.4														
1015	0		23	13	0	3	1	0	0	2	0	0	0	0	0

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUI SI ANA LLC. txt

69.0	76.3													
1030	0	23	23	2	3	1	0	0	0	0	0	0	0	0
69.0	74.6													
1045	0	17	21	0	2	0	0	0	0	0	0	0	0	0
69.1	74.4													
1100	0	28	18	0	2	0	0	1	0	0	0	0	0	0
69.0	75.9													
1115	0	21	14	0	5	1	0	0	3	0	0	0	0	0
67.4	73.8													
1130	0	17	14	0	2	0	0	0	0	0	0	0	0	0
67.3	72.8													
1145	0	21	24	0	3	1	0	0	1	0	0	0	0	0
68.9	75.2													
1200	0	29	17	1	0	0	0	2	1	0	0	0	0	0
69.5	75.4													
1215	0	28	15	0	7	1	0	0	1	0	0	0	0	0
70.3	75.3													
1230	1	19	11	0	4	0	0	0	1	1	0	0	0	0
66.7	73.6													
1245	0	18	19	0	4	0	0	0	1	0	0	0	0	0
68.9	78.0													
1300	0	20	26	0	5	0	0	1	0	0	0	0	0	0
70.3	78.2													
1315	1	16	14	0	3	0	0	0	0	0	0	0	0	0
69.4	79.3													
1330	0	20	18	0	4	0	0	0	0	0	0	0	0	0
68.1	74.0													
1345	1	15	22	1	2	0	0	0	2	0	0	0	0	0
68.3	75.4													
1400	0	18	22	1	2	0	0	0	0	0	0	0	0	0
67.7	74.6													
1415	0	32	21	1	2	1	0	0	1	0	0	0	0	0
70.2	77.1													
1430	0	20	22	0	5	3	0	0	0	0	0	0	0	0
68.2	74.6													
1445	0	15	12	0	2	0	0	0	0	0	0	0	0	0
69.2	74.8													

* Saturday, April 21, 2018 - Sunday, April 22, 2018														
Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
1500	85	0	24	16	0	7	1	0	1	0	0	0	0	0
69.0	74.5													
1515	0	17	21	0	3	0	0	0	0	0	0	0	0	0
70.9	77.7													
1530	0	20	21	0	5	0	0	0	0	0	0	0	0	0
67.9	75.2													
1545	1	18	25	0	0	0	0	0	0	0	0	0	0	0
68.8	75.5													
1600	0	25	31	0	3	1	0	0	1	0	0	0	0	0
70.1	77.0													
1615	2	23	22	0	4	0	0	1	0	0	0	0	0	0
68.4	73.6													
1630	0	20	19	0	6	2	0	0	0	0	0	0	0	0
69.7	78.4													
1645	0	29	27	0	2	0	0	0	1	0	0	0	0	0
69.9	78.5													
1700	0	25	21	0	1	0	0	1	0	0	0	0	0	0
67.4	72.4													
1715	1	22	36	0	6	0	0	0	0	0	0	0	0	0
70.4	77.2													



5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt														
1730	0	23	20	1	2	0	0	0	0	0	0	0	0	0
67.5	73.1													
1745	0	20	30	0	1	0	0	0	1	0	0	0	0	0
66.9	74.7													
1800	0	27	22	0	2	0	0	1	0	0	0	0	0	0
68.0	72.9													
1815	0	21	21	0	4	0	0	1	1	0	0	0	0	0
68.0	74.1													
1830	0	19	22	0	8	0	0	1	0	0	0	0	0	0
67.3	74.2													
1845	0	14	22	0	1	0	0	1	0	0	0	0	0	0
70.3	76.6													
1900	0	20	15	0	1	0	0	0	0	0	0	0	0	0
69.6	76.3													
1915	0	20	13	0	1	0	0	0	0	0	0	0	0	0
70.7	77.6													
1930	2	12	17	0	6	1	0	0	0	0	0	0	0	0
71.0	79.8													
1945	1	12	17	0	3	0	0	0	1	0	0	0	0	0
64.6	72.8													
2000	0	16	16	0	1	0	0	0	0	0	0	0	0	0
67.3	72.1													
2015	0	17	16	1	0	0	0	3	0	0	0	0	0	0
66.9	73.4													
2030	1	24	16	0	1	0	0	0	0	0	0	0	0	0
71.9	81.4													
2045	0	20	18	0	2	0	0	0	0	0	0	0	0	0
69.7	77.6													
2100	0	9	12	0	4	1	0	1	0	0	0	0	0	0
68.2	75.5													
2115	0	4	12	0	0	0	0	0	0	0	0	0	0	0
65.2	72.4													
2130	0	7	12	0	1	0	0	0	0	0	0	0	0	0
69.8	73.7													
2145	0	5	5	0	0	0	0	0	0	0	0	0	0	0
67.5	-													
2200	0	7	12	0	0	0	0	0	0	0	0	0	0	0
65.9	70.8													
2215	0	9	5	2	1	0	0	0	0	0	0	0	0	0
70.1	80.5													
2230	0	9	11	0	1	0	0	0	0	0	0	0	0	0
68.7	74.1													
2245	0	14	9	0	3	0	0	0	0	0	0	0	0	0
72.0	79.5													
2300	0	11	6	0	0	0	0	0	0	0	0	0	0	0
71.6	78.3													
2315	0	8	4	0	0	0	0	0	0	0	0	0	0	0
64.5	71.8													
2330	0	5	3	0	0	0	0	0	0	0	0	0	0	0
70.0	-													
2345	0	4	1	0	0	0	0	0	0	0	0	0	0	0
70.0	-													

* Sunday, May 06, 2018														
Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
0000	85	0	0	0	0	0	0	0	0	0	0	0	0	0
-	-													
0015	0	6	2	0	1	0	0	0	0	0	0	0	0	0
68.5	-													
0030	0	5	3	0	0	0	0	0	0	0	0	0	0	0

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt

69.5	-												
0045	0	3	2	0	0	0	0	0	0	0	0	0	0
73.3	-												
0100	0	3	2	0	1	0	0	0	0	0	0	0	0
69.2	-												
0115	0	5	4	0	1	0	0	0	0	0	0	0	0
67.2	-												
0130	0	4	3	0	0	0	0	1	0	0	0	0	0
68.0	-												
0145	0	1	2	0	0	0	0	0	0	0	0	0	0
76.9	-												
0200	0	0	0	0	0	0	0	0	0	0	0	0	0
-	-												
0215	0	8	3	0	1	0	0	1	0	0	0	0	0
64.7	70.3												
0230	0	0	1	0	1	0	0	0	0	0	0	0	0
62.0	-												
0245	0	1	0	0	0	0	0	0	0	0	0	0	0
79.0	-												
0300	0	1	1	0	0	0	0	0	0	0	0	0	0
75.1	-												
0315	0	1	2	0	0	0	0	0	0	0	0	0	0
67.0	-												
0330	0	3	1	0	0	0	0	0	0	0	0	0	0
77.0	-												
0345	0	4	2	0	0	0	0	0	0	0	0	0	0
70.3	-												
0400	0	1	0	0	0	0	0	0	0	0	0	0	0
68.2	-												
0415	0	6	3	0	0	0	0	0	0	0	0	0	0
70.2	-												
0430	0	4	1	0	0	0	0	0	0	0	0	0	0
68.2	-												
0445	0	2	2	0	0	0	0	0	0	0	0	0	0
73.4	-												
0500	0	5	7	0	0	0	0	0	0	0	0	0	0
68.4	75.2												
0515	0	3	2	0	0	0	0	0	0	0	0	0	0
77.8	-												
0530	0	3	5	0	0	0	0	0	0	0	0	0	0
69.1	-												
0545	0	3	5	0	2	0	0	0	0	0	0	0	0
69.4	-												
0600	0	5	7	0	3	0	0	0	0	0	0	0	0
68.4	75.4												
0615	0	6	2	0	2	0	0	0	0	0	0	0	0
66.7	-												
0630	0	17	6	0	0	1	0	0	0	0	0	0	0
67.7	75.2												
0645	0	9	6	0	0	0	0	0	0	0	0	0	0
68.9	74.9												
0700	0	10	10	0	1	0	0	1	0	0	0	0	0
68.3	76.5												
0715	0	10	7	1	3	0	0	0	0	0	0	0	0
71.2	81.4												
0730	0	7	2	0	1	0	0	0	0	0	0	0	0
68.8	-												
0745	0	7	13	0	5	0	0	0	0	0	0	0	0
69.6	74.4												
0800	0	17	13	0	2	0	0	0	0	0	0	0	0
67.7	74.2												
0815	0	11	14	0	3	2	0	0	1	0	0	0	0
70.2	76.4												

	5	LA23	NB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt	
0830	0	12	6	0	3	0	0	0	0	0	0	0	0	0	0
66.7	74.3														
0845	0	10	24	0	1	0	0	0	0	0	0	0	0	0	0
69.2	74.8														
0900	1	16	25	0	2	0	0	0	0	0	0	0	0	0	0
68.6	73.4														
0915	0	21	22	0	3	1	0	0	0	2	0	0	0	0	0
67.9	72.3														
0930	0	20	9	0	1	0	0	0	1	1	0	0	0	0	0
68.9	74.1														
0945	0	25	24	0	4	0	0	0	0	1	0	0	0	0	0
68.4	72.0														
1000	0	27	15	0	2	0	0	0	0	0	1	0	0	0	0
69.6	75.5														
1015	0	18	27	0	4	0	0	0	0	1	0	0	0	0	0
69.6	75.9														
1030	0	17	20	0	8	0	0	0	0	0	0	0	0	0	0
70.3	77.0														
1045	0	18	29	0	0	0	0	0	1	0	0	0	0	0	0
68.5	73.7														
1100	0	23	24	2	3	0	0	0	0	0	0	0	0	0	0
68.9	73.9														
1115	0	25	21	0	3	0	0	0	0	0	0	0	0	0	0
70.1	75.5														
1130	0	26	21	0	5	1	0	0	0	0	0	0	0	0	0
70.5	76.4														
1145	0	15	21	0	3	0	0	0	1	1	0	0	0	0	0
67.7	73.6														
1200	0	19	21	0	5	0	0	0	0	0	0	0	0	0	0
70.1	77.2														
1215	1	20	25	0	5	0	0	0	0	0	0	0	0	0	0
69.0	75.1														
1230	0	24	27	1	4	0	0	0	0	0	0	0	0	0	0
68.9	75.1														
1245	0	23	22	0	3	0	0	0	1	0	0	0	0	0	0
68.9	75.3														
1300	0	22	31	0	3	0	0	0	0	1	0	0	0	0	0
68.9	76.3														
1315	0	37	23	0	5	0	0	0	1	0	0	0	0	0	0
68.7	75.5														
1330	0	26	22	0	1	0	0	0	0	2	0	0	0	0	0
69.9	79.5														
1345	0	24	34	0	7	0	0	0	0	1	0	0	0	0	0
70.2	75.0														
1400	1	31	19	0	6	0	0	0	0	0	0	0	0	0	0
70.8	78.0														
1415	1	20	28	0	3	0	0	0	0	0	0	0	0	0	0
66.9	73.4														
1430	0	17	24	0	1	0	0	0	0	1	0	0	0	0	0
67.4	71.5														
1445	0	15	35	0	2	0	0	0	0	0	0	0	0	0	0
68.9	74.9														
1500	0	33	31	0	5	0	0	0	0	0	0	0	0	0	0
70.2	76.9														
1515	0	18	19	0	2	0	0	0	1	1	0	0	0	0	0
70.3	78.7														
1530	0	24	14	0	3	0	0	0	1	0	0	0	0	0	0
69.5	73.9														
1545	0	19	24	0	6	0	0	0	0	1	0	0	0	0	0
68.6	75.8														
1600	0	20	31	0	3	0	0	0	0	2	0	0	0	0	0
69.0	73.2														
1615	0	21	23	0	2	0	0	0	0	0	0	0	0	0	0

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUI SI ANA LLC. txt

67.9	75.7												
1630	0	31	22	0	6	0	0	0	2	0	0	0	0
68.7	75.4												
1645	0	27	29	1	2	0	0	0	3	0	0	0	0
69.9	76.5												
1700	1	33	24	0	1	0	0	0	0	0	0	0	0
70.1	77.6												
1715	0	12	14	0	3	0	0	0	2	0	0	0	0
68.2	77.2												
1730	0	26	15	0	2	0	0	0	2	0	0	0	0
69.0	74.9												
1745	0	19	10	1	0	0	0	0	0	1	0	0	0
68.3	74.6												
1800	1	17	14	0	1	0	0	0	0	0	0	0	0
68.9	74.2												
1815	0	28	30	0	3	0	0	0	0	0	0	0	0
69.6	75.7												
1830	1	21	30	0	2	0	0	0	1	0	0	0	0
71.2	79.8												
1845	0	25	18	0	1	0	0	0	0	0	0	0	0
70.4	77.3												
1900	0	18	28	0	5	0	0	0	1	0	0	0	0
71.8	80.1												
1915	0	22	15	0	5	0	0	1	1	0	0	0	0
70.7	75.8												
1930	1	14	9	0	3	0	0	0	1	0	0	0	0
68.2	74.1												
1945	0	19	20	0	3	0	0	1	0	0	0	0	0
67.5	75.1												
2000	0	18	10	0	3	0	0	0	0	0	0	0	0
68.2	76.2												
2015	0	10	11	1	4	0	0	0	1	0	0	0	0
66.0	73.9												
2030	1	19	9	0	3	0	0	0	0	0	0	0	0
68.3	73.0												
2045	0	10	5	0	0	0	0	0	0	0	0	0	0
68.6	75.9												
2100	2	5	4	0	1	0	0	0	0	0	0	0	0
70.5	75.5												
2115	0	8	7	0	0	0	0	0	0	0	0	0	0
69.0	77.7												
2130	0	5	4	0	1	0	0	1	0	0	0	0	0
69.7	78.0												
2145	0	9	7	0	0	0	0	0	0	0	0	0	0
67.2	72.8												
2200	0	6	3	0	1	0	0	0	0	0	0	0	0
68.8	-												
2215	0	4	4	0	0	0	0	0	0	0	0	0	0
71.6	-												
2230	0	2	3	0	0	0	0	0	0	0	0	0	0
67.7	-												
2245	0	4	5	0	0	0	0	0	0	0	0	0	0
68.8	-												
2300	0	4	1	0	3	0	0	0	0	0	0	0	0
67.2	-												
2315	0	1	4	0	0	0	0	0	0	0	0	0	0
66.7	-												
2330	0	0	1	0	1	0	0	0	0	0	0	0	0
62.4	-												
2345	0	7	1	0	0	0	0	0	0	0	0	0	0
62.4	-												
00-00	11	1281	1231	7	189	5	0	13	30	2	0	0	0
69.1	75.4												

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\* Monday, May 07, 2018

Time Mean	Cl s Vpp	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s
	1	2	3	4	5	6	7	8	9	10	11	12	13
0000	85	0	2	1	0	0	0	0	0	0	0	0	0
62.4	-	0	1	0	0	0	0	0	0	0	0	0	0
0015	0	1	0	0	0	0	0	0	0	0	0	0	0
70.2	-	0	2	5	0	0	0	0	0	0	0	0	0
0030	0	2	5	0	0	0	0	0	0	0	0	0	0
70.7	-	0	3	0	0	0	0	0	0	0	0	0	0
0045	0	3	0	0	0	0	0	0	0	0	0	0	0
61.7	-	0	0	0	0	0	0	0	0	0	0	0	0
0100	0	0	0	0	0	0	0	0	0	0	0	0	0
-	-	0	0	1	0	0	0	0	0	0	0	0	0
0115	0	0	1	0	0	0	0	0	0	0	0	0	0
68.7	-	0	1	1	0	0	0	0	0	0	0	0	0
0130	0	1	1	0	0	0	0	0	0	0	0	0	0
66.4	-	0	0	1	0	0	0	0	0	0	0	0	0
0145	0	0	1	0	0	0	0	0	0	0	0	0	0
76.0	-	0	0	2	0	0	0	0	0	0	0	0	0
0200	0	0	2	0	0	0	0	0	0	0	0	0	0
61.0	-	0	1	1	0	0	0	0	0	1	0	0	0
0215	0	1	1	0	0	0	0	0	0	0	0	0	0
66.5	-	0	0	1	0	0	0	0	0	0	0	0	0
0230	0	0	1	0	0	0	0	0	0	0	0	0	0
67.4	-	0	0	0	0	0	0	0	0	0	0	0	0
0245	0	0	0	0	0	0	0	0	0	0	0	0	0
-	-	0	1	1	0	0	0	0	0	0	0	0	0
0300	0	1	1	0	0	0	0	0	0	0	0	0	0
67.2	-	0	2	0	0	0	0	0	0	0	0	0	0
0315	0	2	0	0	0	0	0	0	0	0	0	0	0
66.4	-	0	1	1	0	0	0	0	0	2	0	0	0
0330	0	1	1	0	0	0	0	0	0	2	0	0	0
61.1	-	0	3	2	0	0	0	0	1	0	0	0	0
0345	0	3	2	0	0	0	0	0	1	0	0	0	0
65.6	-	0	6	2	0	0	0	0	0	0	0	0	0
0400	0	6	2	0	0	0	0	0	0	0	0	0	0
62.3	-	0	5	1	0	0	0	0	0	0	0	0	0
0415	0	5	1	0	0	0	0	0	0	0	0	0	0
70.6	-	0	8	6	0	0	0	0	0	0	0	0	0
0430	0	8	6	0	0	0	0	0	0	0	0	0	0
70.8	79.5	0	11	6	0	0	0	0	0	0	0	0	0
0445	0	11	6	0	0	0	0	0	0	0	0	0	0
70.1	74.5	0	7	6	0	0	0	0	0	0	0	0	0
0500	0	7	6	0	0	0	0	0	0	0	0	0	0
67.2	76.1	0	2	5	0	1	0	0	0	0	0	0	0
0515	0	2	5	0	1	0	0	0	0	0	0	0	0
63.2	-	0	12	9	0	0	0	0	0	0	0	0	0
0530	0	12	9	0	0	0	0	0	0	0	0	0	0
67.1	74.2	1	12	12	0	1	1	0	0	0	0	0	0
0545	1	12	12	0	1	1	0	0	0	0	0	0	0
67.1	74.6	0	13	12	0	1	0	0	0	0	0	0	0
0600	0	13	12	0	1	0	0	0	0	0	0	0	0
65.6	70.2	0	20	15	2	2	0	0	0	1	0	0	0
0615	0	20	15	2	2	0	0	0	0	1	0	0	0
68.2	73.5	0	30	22	1	2	0	0	0	0	0	0	0
0630	0	30	22	1	2	0	0	0	0	0	0	0	0
68.7	74.7	0	25	11	0	3	0	0	0	0	0	0	0
0645	0	25	11	0	3	0	0	0	0	0	0	0	0
71.1	79.6	0	19	15	0	6	0	0	0	0	0	0	0
0700	0	19	15	0	6	0	0	0	0	0	0	0	0

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUI SIANA LLC. txt

69.4	74.1												
0715	0	18	15	5	2	1	0	0	0	0	0	0	0
67.1	72.6												
0730	0	24	17	0	3	0	0	0	0	0	0	0	0
69.1	77.4												
0745	0	23	5	0	1	0	0	0	0	2	0	0	0
69.9	78.0												
0800	0	26	21	3	2	3	0	0	1	0	0	0	0
67.8	73.4												
0815	0	30	22	0	3	0	0	0	0	0	0	0	0
67.9	73.9												
0830	0	21	15	1	5	0	0	0	2	1	0	0	0
67.4	73.9												
0845	0	17	19	0	6	0	0	0	0	0	0	0	0
68.1	74.8												
0900	3	26	15	0	2	1	0	0	3	0	0	0	0
67.2	72.0												
0915	0	29	22	1	2	1	0	0	0	0	0	0	0
67.7	72.7												
0930	0	24	21	0	0	1	0	1	0	0	0	0	0
69.7	78.3												
0945	0	30	25	0	8	0	0	0	3	1	0	0	0
67.3	74.2												
1000	0	21	23	1	5	1	0	0	0	0	0	0	0
67.6	73.9												
1015	0	12	16	2	5	2	0	1	2	0	0	0	0
67.0	75.2												
1030	0	12	14	0	2	1	0	1	2	0	0	0	0
67.3	74.7												
1045	0	19	19	1	3	0	0	0	1	0	0	0	0
66.0	72.0												
1100	0	20	20	1	1	2	0	0	1	1	0	0	0
67.0	71.7												
1115	0	16	18	2	4	0	0	0	2	0	0	0	0
67.0	72.9												
1130	1	17	20	0	1	1	0	1	3	0	0	0	0
65.8	72.2												
1145	0	15	19	0	4	1	0	0	0	0	0	0	0
67.3	72.3												
1200	0	25	14	1	4	1	0	0	1	0	0	0	0
67.1	72.1												
1215	0	19	22	0	5	0	0	0	0	0	0	0	0
67.0	74.8												
1230	0	16	14	0	6	2	0	0	4	0	0	0	0
67.4	73.0												
1245	0	22	15	1	4	1	0	0	2	0	0	0	0
65.6	71.9												
1300	0	20	22	2	2	0	0	0	3	0	0	0	0
67.0	75.9												
1315	1	14	29	1	7	0	0	0	2	0	0	0	0
68.1	75.5												
1330	0	17	26	0	3	5	0	0	0	1	0	0	0
64.7	72.3												
1345	0	24	17	1	5	0	0	0	1	0	0	0	0
64.2	70.2												
1400	0	12	21	0	6	2	0	0	3	0	0	0	0
65.9	72.9												
1415	0	17	25	3	3	1	0	0	1	0	0	0	0
68.7	76.1												
1430	0	19	29	1	5	0	0	0	2	0	0	0	0
69.1	76.2												
1445	1	24	24	1	8	0	0	0	5	0	0	0	0
69.1	74.5												

	5	LA23	NB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt
1500	1	20	24	3	7	0	0	0	0	4	0	0	0	0
70.3	74.9													
1515	0	19	28	0	13	0	0	1	1	0	0	0	0	0
70.3	75.0													
1530	0	30	22	0	8	1	0	0	0	0	0	0	0	0
71.7	75.4													
1545	0	20	26	0	7	1	0	0	2	1	0	0	0	0
71.4	76.7													
1600	0	25	23	4	6	0	0	2	0	0	0	0	0	0
71.1	76.1													
1615	0	23	16	2	9	1	0	2	2	0	0	0	0	0
70.2	74.7													
1630	1	20	37	1	15	0	0	0	0	0	0	0	0	0
72.5	77.5													
1645	0	33	49	1	10	0	0	1	3	0	0	0	0	0
73.1	80.1													
1700	1	24	22	1	9	0	0	0	2	0	0	0	0	0
72.9	80.4													
1715	0	18	25	1	6	1	0	0	4	0	0	0	0	0
70.7	76.0													
1730	0	18	26	1	4	0	0	0	1	0	0	0	0	0
70.9	78.3													
1745	0	22	25	0	7	0	0	0	0	0	0	0	0	0
72.4	78.3													
1800	0	14	11	1	2	0	0	0	2	0	0	0	0	0
71.0	76.4													
1815	0	22	20	1	3	0	0	0	0	0	0	0	0	0
70.9	76.9													
1830	0	16	16	0	3	0	0	0	0	0	0	0	0	0
73.9	79.8													
1845	0	10	14	0	2	0	0	0	1	0	0	0	0	0
71.0	76.7													
1900	0	10	7	0	2	0	0	0	0	0	0	0	0	0
70.7	74.7													
1915	0	16	16	0	7	0	0	0	0	0	0	0	0	0
69.8	74.5													
1930	0	10	11	1	1	0	0	0	2	0	0	0	0	0
71.8	79.3													
1945	0	3	7	0	3	0	0	0	0	0	0	0	0	0
69.9	74.8													
2000	0	12	18	1	2	0	0	0	0	0	0	0	0	0
68.3	73.7													
2015	0	9	11	1	2	0	0	0	0	0	0	0	0	0
67.1	72.9													
2030	0	7	6	0	3	0	0	0	0	0	0	0	0	0
71.9	77.6													
2045	0	7	10	0	2	0	0	0	0	0	0	0	0	0
69.2	74.2													
2100	0	3	7	1	1	0	0	0	0	0	0	0	0	0
68.5	72.3													
2115	0	7	1	0	0	0	0	0	0	0	0	0	0	0
68.1	-													
2130	0	8	1	0	0	0	0	0	0	0	0	0	0	0
72.2	-													
2145	0	3	6	0	1	0	0	0	0	0	0	0	0	0
69.6	-													
2200	0	4	2	0	0	0	0	0	0	0	0	0	0	0
62.0	-													
2215	0	2	2	0	1	0	0	0	0	0	0	0	0	0
72.5	-													
2230	0	1	2	0	0	0	0	0	1	0	0	0	0	0
72.6	-													
2245	0	1	0	0	0	0	0	0	0	0	0	0	0	0

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt

59.8	-												
2300	0	4	1	0	1	0	0	0	1	0	0	0	0
69.2	-												
2315	0	2	2	0	2	0	0	0	0	0	0	0	0
71.0	-												
2330	0	0	2	0	1	0	0	0	0	0	0	0	0
67.5	-												
2345	0	0	3	0	0	0	0	0	1	0	0	0	0
66.9	-												
00-00	10	1259	1242	51	273	32	0	11	75	7	0	0	0
68.9	75.3												

\* Tuesday, May 08, 2018

Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
	85													
0000	0	2	1	0	0	0	0	0	0	0	0	0	0	0
71.1	-													
0015	0	1	0	0	2	0	0	0	0	0	0	0	0	0
63.7	-													
0030	0	0	2	0	1	0	0	0	0	0	0	0	0	0
70.4	-													
0045	0	1	0	0	0	0	0	0	0	0	0	0	0	0
67.0	-													
0100	0	3	1	0	0	0	0	0	0	0	0	0	0	0
68.5	-													
0115	0	2	0	0	0	0	0	0	0	0	0	0	0	0
68.2	-													
0130	0	1	2	0	1	0	0	0	0	0	0	0	0	0
70.5	-													
0145	0	1	1	0	0	0	0	0	0	0	0	0	0	0
67.0	-													
0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	-													
0215	0	1	0	0	0	0	0	0	0	0	0	0	0	0
67.0	-													
0230	0	0	2	0	0	0	0	0	0	0	0	0	0	0
68.8	-													
0245	0	0	0	0	0	0	0	0	0	1	0	0	0	0
74.9	-													
0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	-													
0315	0	0	1	0	2	0	0	0	0	0	0	0	0	0
75.5	-													
0330	0	2	2	0	0	0	0	0	0	0	0	0	0	0
73.2	-													
0345	0	4	0	0	1	0	0	0	0	0	0	0	0	0
69.2	-													
0400	0	3	2	0	0	0	0	0	0	0	0	0	0	0
71.8	-													
0415	0	7	3	0	0	0	0	0	0	0	0	0	0	0
73.9	-													
0430	0	4	3	0	0	0	0	0	0	0	0	0	0	0
70.5	-													
0445	0	7	4	0	0	0	0	0	0	0	0	0	0	0
73.1	80.7													
0500	0	6	10	0	1	0	0	0	0	0	0	0	0	0
71.2	74.9													
0515	0	4	7	0	1	0	0	0	0	0	0	0	0	0
68.4	75.7													
0530	0	10	13	0	1	0	0	0	0	0	0	0	0	0
68.3	74.7													



	5	LA23	NB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt	
0545	0	10	11	0	5	0	0	0	0	0	0	0	0	0	0
67.9	72.4	0	11	11	0	4	0	0	0	0	1	0	0	0	0
0600	0	11	11	0	4	0	0	0	0	0	1	0	0	0	0
67.6	71.9	0	13	16	2	7	0	0	0	0	0	0	0	0	0
0615	0	13	16	2	7	0	0	0	0	0	0	0	0	0	0
71.1	76.5	0	26	14	2	5	0	0	0	0	0	0	0	0	0
0630	0	26	14	2	5	0	0	0	0	0	0	0	0	0	0
70.7	77.5	0	21	9	0	2	0	0	0	0	0	0	0	0	0
0645	0	21	9	0	2	0	0	0	0	0	0	0	0	0	0
71.9	76.5	0	18	18	0	2	0	0	0	0	1	0	0	0	0
0700	0	18	18	0	2	0	0	0	0	0	1	0	0	0	0
73.6	79.8	0	22	14	2	2	0	0	0	0	1	1	0	0	0
0715	0	22	14	2	2	0	0	0	0	0	1	1	0	0	0
69.8	76.6	0	23	17	1	6	0	0	0	0	0	0	0	0	0
0730	0	23	17	1	6	0	0	0	0	0	0	0	0	0	0
69.5	76.4	0	32	14	1	2	0	0	0	0	2	0	0	0	0
0745	0	32	14	1	2	0	0	0	0	0	2	0	0	0	0
69.6	77.4	0	19	18	1	4	1	0	0	0	0	0	0	0	0
0800	0	19	18	1	4	1	0	0	0	0	0	0	0	0	0
70.0	76.2	0	20	15	0	3	1	1	0	0	3	0	0	0	1
0815	0	20	15	0	3	1	1	0	0	0	3	0	0	0	1
70.2	76.2	0	18	21	0	5	0	0	0	0	2	0	0	0	0
0830	0	18	21	0	5	0	0	0	0	0	2	0	0	0	0
70.6	76.9	0	18	17	0	4	0	0	0	0	2	0	0	0	0
0845	0	18	17	0	4	0	0	0	0	0	2	0	0	0	0
69.4	75.7	0	16	22	0	7	0	0	0	0	2	0	0	0	0
0900	0	16	22	0	7	0	0	0	0	0	2	0	0	0	0
71.4	77.5	0	23	28	0	7	3	0	0	0	1	0	0	0	0
0915	0	23	28	0	7	3	0	0	0	0	1	0	0	0	0
69.5	75.3	0	16	19	0	8	0	1	0	0	3	0	0	0	0
0930	0	16	19	0	8	0	1	0	0	0	3	0	0	0	0
68.8	73.0	0	13	17	0	6	0	0	0	0	1	1	0	0	0
0945	0	13	17	0	6	0	0	0	0	0	1	1	0	0	0
68.1	74.5	0	12	20	0	4	2	0	0	0	1	0	0	0	0
1000	0	12	20	0	4	2	0	0	0	0	1	0	0	0	0
70.1	77.9	1	10	20	0	2	0	0	1	2	1	0	0	0	0
1015	1	10	20	0	2	0	0	0	1	2	1	0	0	0	0
68.6	76.4	0	11	17	0	5	1	0	0	0	2	0	0	0	0
1030	0	11	17	0	5	1	0	0	0	0	2	0	0	0	0
70.1	74.8	0	14	19	1	4	3	0	1	4	0	0	0	0	0
1045	0	14	19	1	4	3	0	1	4	0	0	0	0	0	0
67.0	73.1	0	15	23	0	4	2	0	1	0	1	0	0	0	0
1100	0	15	23	0	4	2	0	1	0	1	0	1	0	0	0
66.9	72.5	0	16	21	0	5	1	0	0	0	1	0	0	0	0
1115	0	16	21	0	5	1	0	0	0	0	1	0	0	0	0
71.3	77.8	0	18	16	0	3	1	0	0	0	3	1	0	0	0
1130	0	18	16	0	3	1	0	0	0	0	3	1	0	0	0
68.6	73.7	0	16	29	0	9	0	0	0	1	0	0	0	0	0
1145	0	16	29	0	9	0	0	0	0	1	0	0	0	0	0
69.9	75.9	0	14	18	0	7	1	0	0	0	3	0	0	0	0
1200	0	14	18	0	7	1	0	0	0	0	3	0	0	0	0
70.1	76.9	0	17	18	1	4	1	0	1	2	0	0	0	0	0
1215	0	17	18	1	4	1	0	1	2	0	0	0	0	0	0
70.6	78.7	0	19	19	2	9	0	1	0	1	0	0	0	0	0
1230	0	19	19	2	9	0	1	0	1	0	0	0	0	0	0
71.1	78.6	0	15	19	2	11	2	1	0	2	0	0	0	0	0
1245	0	15	19	2	11	2	1	0	2	0	0	0	0	0	0
67.1	73.2	0	12	24	2	2	1	1	1	0	2	0	0	0	0
1300	0	12	24	2	2	1	1	1	1	0	2	0	0	0	0
70.8	77.9	0	10	21	2	10	2	0	0	6	0	0	0	0	0
1315	0	10	21	2	10	2	0	0	0	6	0	0	0	0	0
67.4	74.3	0	15	31	0	7	2	0	0	2	0	0	0	0	0
1330	0	15	31	0	7	2	0	0	0	2	0	0	0	0	0

5 LA23 NB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUI SIANA LLC. txt

69.3	75.3												
1345	0	17	31	1	5	1	0	0	2	0	0	0	0
69.5	76.3												
1400	0	13	31	1	6	0	0	0	1	0	0	0	0
68.5	74.3												
1415	0	12	17	1	8	1	0	0	2	1	0	0	0
70.5	74.3												
1430	0	21	27	0	8	1	0	0	0	0	0	0	0
70.4	76.3												
1445	0	26	30	2	3	0	0	0	2	0	0	0	0
70.8	77.5												
1500	0	16	32	1	4	1	0	1	3	0	0	0	0
68.3	73.4												
1515	1	18	24	0	10	1	0	1	0	0	0	0	0
68.9	76.6												
1530	0	22	37	2	13	0	0	0	2	0	0	0	0
71.0	79.0												
1545	0	23	21	2	5	0	0	0	4	0	0	0	0
70.2	76.9												
1600	0	30	24	1	7	3	0	0	3	0	0	0	0
70.7	75.6												
1615	0	20	27	2	3	1	0	1	1	0	0	0	0
69.2	75.2												
1630	2	23	36	1	9	1	0	0	2	0	0	0	0
72.3	79.2												
1645	0	38	46	1	11	0	0	0	2	0	0	0	0
72.0	78.1												
1700	0	30	28	1	18	2	0	1	0	0	0	0	0
71.2	76.6												
1715	1	17	34	2	3	0	0	0	1	0	0	0	0
70.3	77.3												
1730	0	17	28	1	9	0	0	1	2	0	0	0	0
69.8	76.9												
1745	0	18	29	1	5	0	0	0	4	0	0	0	0
70.9	77.0												
1800	1	17	30	2	10	1	0	0	1	0	0	0	0
69.3	75.1												
1815	0	17	14	0	4	1	0	1	0	0	0	0	0
70.0	77.8												
1830	0	19	14	0	3	0	0	0	2	0	0	0	0
70.8	76.1												
1845	0	8	15	0	4	0	0	0	2	0	0	0	0
69.6	74.1												
1900	0	15	12	0	5	0	0	0	1	0	0	0	0
70.6	76.3												
1915	0	9	20	0	1	0	0	0	2	0	0	0	0
72.6	79.0												
1930	0	9	13	0	5	0	0	0	0	1	0	0	0
69.3	76.9												
1945	0	10	6	0	2	0	0	1	0	0	0	0	0
68.7	76.0												
2000	0	14	12	0	1	1	0	0	0	0	0	0	0
69.5	78.5												
2015	0	10	14	0	1	0	0	0	2	0	0	0	0
68.6	73.9												
2030	0	5	10	0	4	0	0	0	0	0	0	0	0
66.7	75.0												
2045	0	6	8	0	1	0	0	0	1	0	0	0	0
70.5	76.7												
2100	0	12	6	0	2	0	0	0	0	0	0	0	0
73.2	84.7												
2115	0	12	5	0	1	0	0	0	0	0	0	0	0
71.6	79.0												

	5	LA23	NB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt
2130	0		5	6	0	3	0	0	0	0	0	0	0	0
68.5	74.4													
2145	0		2	2	0	1	0	0	0	0	0	0	0	0
68.5	-													
2200	0		3	3	0	1	0	0	0	0	0	0	0	0
73.4	-													
2215	0		2	4	0	2	0	0	0	0	0	0	0	0
70.1	-													
2230	0		2	2	1	1	0	0	0	0	0	0	0	0
69.6	-													
2245	0		3	0	0	3	0	0	0	0	0	0	0	0
69.7	-													
2300	0		2	2	0	1	0	0	0	0	0	0	0	0
72.0	-													
2315	0		1	2	0	0	0	0	0	0	0	0	0	0
73.6	-													
2330	0		2	4	0	0	0	0	0	1	0	0	0	0
65.5	-													
2345	0		2	5	0	0	0	0	0	0	0	0	0	0
64.2	-													
00-00	6	1140	1361	42	358	39	5	12	93	9	0	0	0	1
70.0	76.2													

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC.txt

\* Tuesday, April 17, 2018 - Wednesday, April 18, 2018

Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
1500	85	1	20	13	0	6	1	0	0	1	0	0	0	0
67.0	74.8	1	20	13	0	6	1	0	0	1	0	0	0	0
1515	73.9	0	25	13	1	4	2	1	0	1	0	0	0	0
68.3	73.9	0	25	13	1	4	2	1	0	1	0	0	0	0
1530	75.1	0	24	19	0	2	0	1	0	0	0	0	0	0
68.5	75.1	0	24	19	0	2	0	1	0	0	0	0	0	0
1545	77.0	0	23	15	3	4	2	0	0	0	0	0	0	0
69.4	77.0	0	23	15	3	4	2	0	0	0	0	0	0	0
1600	74.0	0	32	15	2	3	1	0	0	0	0	0	0	0
69.7	74.0	0	32	15	2	3	1	0	0	0	0	0	0	0
1615	72.3	0	27	20	0	2	0	1	0	0	0	0	0	0
67.5	72.3	0	27	20	0	2	0	1	0	0	0	0	0	0
1630	73.4	0	21	14	0	2	1	1	0	1	2	0	0	0
68.6	73.4	0	21	14	0	2	1	1	0	1	2	0	0	0
1645	76.2	0	27	27	0	3	0	0	1	2	0	0	0	0
69.2	76.2	0	27	27	0	3	0	0	1	2	0	0	0	0
1700	75.2	0	19	17	0	3	0	0	0	0	0	0	0	0
67.9	75.2	0	19	17	0	3	0	0	0	0	0	0	0	0
1715	75.3	0	21	11	2	2	1	0	1	0	0	0	0	0
69.1	75.3	0	21	11	2	2	1	0	1	0	0	0	0	0
1730	76.1	0	24	20	0	3	0	0	0	0	0	0	0	0
70.0	76.1	0	24	20	0	3	0	0	0	0	0	0	0	0
1745	74.6	0	18	20	0	9	0	0	0	0	1	0	0	0
68.5	74.6	0	18	20	0	9	0	0	0	0	1	0	0	0
1800	77.1	1	29	23	1	4	1	0	0	0	0	0	0	0
70.2	77.1	1	29	23	1	4	1	0	0	0	0	0	0	0
1815	74.2	0	21	10	0	2	1	0	0	0	0	0	0	0
70.2	74.2	0	21	10	0	2	1	0	0	0	0	0	0	0
1830	75.7	0	23	14	0	3	0	0	0	0	0	0	0	0
69.2	75.7	0	23	14	0	3	0	0	0	0	0	0	0	0
1845	74.6	0	21	12	1	3	0	0	1	0	0	0	0	0
68.8	74.6	0	21	12	1	3	0	0	1	0	0	0	0	0
1900	76.0	0	19	14	0	3	0	0	0	0	0	0	0	0
68.8	76.0	0	19	14	0	3	0	0	0	0	0	0	0	0
1915	77.3	0	28	10	0	1	1	0	0	1	0	0	0	0
70.4	77.3	0	28	10	0	1	1	0	0	1	0	0	0	0
1930	75.9	0	15	11	0	1	0	0	0	0	0	0	0	0
69.6	75.9	0	15	11	0	1	0	0	0	0	0	0	0	0
1945	77.7	0	16	15	1	1	1	0	0	1	0	0	0	0
69.2	77.7	0	16	15	1	1	1	0	0	1	0	0	0	0
2000	75.7	0	11	12	0	5	0	0	0	0	0	0	0	0
69.0	75.7	0	11	12	0	5	0	0	0	0	0	0	0	0
2015	72.2	0	10	16	0	1	0	0	0	0	0	0	0	0
67.0	72.2	0	10	16	0	1	0	0	0	0	0	0	0	0
2030	74.1	1	14	9	0	1	0	0	0	1	0	0	0	0
69.7	74.1	1	14	9	0	1	0	0	0	1	0	0	0	0
2045	71.6	0	5	6	0	1	1	0	0	0	0	0	0	0
66.6	71.6	0	5	6	0	1	1	0	0	0	0	0	0	0
2100	75.7	0	7	11	0	2	0	0	0	0	0	0	0	0
67.8	75.7	0	7	11	0	2	0	0	0	0	0	0	0	0
2115	-	0	3	4	1	0	0	0	0	0	0	0	0	0
63.8	-	0	3	4	1	0	0	0	0	0	0	0	0	0
2130	77.4	0	6	8	0	2	0	0	0	0	0	0	0	0
68.3	77.4	0	6	8	0	2	0	0	0	0	0	0	0	0
2145	75.4	0	6	5	0	1	0	0	0	0	0	0	0	0
63.6	75.4	0	6	5	0	1	0	0	0	0	0	0	0	0

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENERGY LOUISIANA LLC. txt													
2200	0	7	5	0	2	0	0	0	0	0	0	0	0
70.7	77.8												
2215	0	13	6	0	0	0	0	0	0	0	0	0	0
66.9	74.2												
2230	0	11	5	0	0	0	0	0	0	0	0	0	0
67.7	71.5												
2245	0	11	3	0	0	0	0	0	0	0	0	0	0
66.6	74.2												
2300	0	8	9	0	0	0	0	0	1	0	0	0	0
69.0	75.7												
2315	0	8	4	0	3	0	0	0	0	0	0	0	0
68.3	73.0												
2330	0	8	5	0	0	0	0	0	0	0	0	0	0
68.3	73.3												
2345	0	7	1	0	0	0	0	0	0	0	0	0	0
69.2	-												
0000	0	3	3	0	0	0	0	0	0	0	0	0	0
62.7	-												
0015	0	3	3	0	0	0	0	0	0	0	0	0	0
71.1	-												
0030	0	4	6	0	1	0	0	0	0	0	0	0	0
66.7	75.7												
0045	0	3	4	0	0	0	0	0	0	0	0	0	0
68.1	-												
0100	0	2	4	0	1	0	0	0	0	0	0	0	0
65.7	-												
0115	0	2	5	0	0	0	0	0	0	0	0	0	0
67.9	-												
0130	0	6	3	0	2	0	0	0	0	1	0	0	0
70.4	74.6												
0145	0	2	5	0	0	0	0	0	0	0	0	0	0
69.1	-												
0200	0	1	2	0	0	0	0	0	0	0	0	0	0
66.7	-												
0215	0	1	4	0	1	0	0	0	0	0	0	0	0
67.9	-												
0230	0	0	6	0	1	0	0	1	0	1	0	0	0
72.2	-												
0245	0	2	4	0	2	0	0	0	1	0	0	0	0
67.8	-												
0300	0	1	4	0	1	1	0	0	1	0	0	0	0
66.3	-												
0315	0	2	0	0	0	0	0	0	0	0	0	0	0
68.6	-												
0330	0	3	6	0	0	0	0	0	0	0	0	0	0
67.7	-												
0345	0	7	8	0	1	0	0	0	0	0	0	0	0
69.2	80.5												
0400	0	5	7	0	7	1	0	0	1	0	0	0	0
68.2	71.8												
0415	0	10	8	1	2	2	0	0	0	0	0	0	0
68.9	73.3												
0430	0	7	19	0	4	0	0	0	0	0	0	0	0
71.4	77.5												
0445	0	17	24	1	7	1	0	0	0	0	0	0	0
68.9	76.2												
0500	0	13	22	1	5	2	1	0	1	0	0	0	0
70.0	75.9												
0515	0	18	30	0	6	1	0	0	0	0	0	0	0
71.4	77.5												
0530	0	18	30	0	16	0	0	0	0	0	0	0	0
70.6	74.9												
0545	0	25	23	0	6	1	0	0	0	0	0	0	0

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUI SIANA LLC. txt

71.1	75.9												
0600	0	26	29	0	9	1	0	0	1	0	0	0	0
71.2	76.8												
0615	0	28	18	1	6	0	1	2	0	0	0	0	0
72.9	77.7												
0630	0	18	26	1	0	2	0	0	0	0	0	0	0
70.9	77.7												
0645	0	25	22	0	2	2	1	1	0	0	0	0	0
69.2	74.5												
0700	0	37	29	0	4	2	0	0	0	0	0	0	0
70.6	75.4												
0715	1	33	27	3	7	2	0	0	2	0	0	0	0
71.9	78.1												
0730	0	30	24	0	8	0	0	0	0	0	0	0	0
70.9	76.4												
0745	0	23	19	0	8	4	3	0	2	0	0	0	1
72.3	80.6												
0800	0	17	16	1	9	1	0	0	5	2	0	0	0
68.7	74.6												
0815	0	12	26	0	5	1	4	0	0	0	0	0	0
68.5	74.4												
0830	0	13	15	2	14	0	2	0	0	0	0	0	0
69.2	75.2												
0845	0	19	20	1	7	2	2	1	1	1	0	0	0
70.2	76.0												
0900	0	22	19	1	7	1	0	0	2	0	0	0	0
70.0	75.0												
0915	0	19	22	1	3	0	0	0	1	0	0	0	0
69.5	75.0												
0930	0	10	21	0	2	0	0	0	0	0	0	0	0
66.4	73.7												
0945	0	9	21	2	10	3	1	1	1	0	0	0	0
66.3	71.4												
1000	0	11	20	1	3	4	4	1	0	0	0	0	0
68.2	72.5												
1015	0	22	18	1	1	3	0	0	1	0	0	0	0
65.9	73.0												
1030	0	11	24	2	10	3	2	0	2	2	0	0	0
66.7	72.8												
1045	0	9	13	1	2	2	0	1	1	0	0	0	0
64.9	72.0												
1100	0	6	19	1	5	3	0	0	0	1	0	0	0
65.6	71.2												
1115	0	15	17	0	5	3	0	0	1	0	0	0	0
66.5	72.8												
1130	0	13	24	0	2	0	2	0	2	0	0	0	0
66.3	72.3												
1145	0	16	12	0	5	2	1	0	1	0	0	0	0
68.3	73.6												
1200	0	10	28	2	2	4	0	1	1	0	0	0	0
67.0	71.8												
1215	0	12	12	0	3	1	0	0	1	0	0	0	0
69.1	75.7												
1230	0	8	12	3	2	0	0	0	1	0	0	0	0
69.5	78.4												
1245	0	17	18	1	1	2	0	0	1	0	0	0	0
68.5	73.4												
1300	1	15	19	0	2	0	2	0	3	0	0	0	0
68.0	75.2												
1315	1	12	22	0	3	1	2	0	0	0	0	0	0
67.0	73.3												
1330	0	20	11	1	6	0	1	0	1	0	0	0	0
65.3	70.2												

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt													
1345	0	17	21	1	4	0	1	0	0	0	0	0	0
70.1	76.0												
1400	0	12	14	1	1	1	0	0	4	0	0	0	0
70.0	76.4												
1415	0	15	11	0	2	0	0	1	0	2	0	0	0
67.8	73.9												
1430	0	18	14	1	2	1	1	0	2	0	0	0	0
65.9	73.1												
1445	0	25	9	1	6	5	1	0	0	1	0	0	0
64.7	73.4												

* Wednesday, April 18, 2018 - Thursday, April 19, 2018														
Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
1500	0	23	19	0	4	0	0	0	0	2	0	0	0	0
69.2	74.3													
1515	0	17	14	0	7	1	2	0	1	0	0	0	0	0
70.1	75.6													
1530	0	16	16	1	3	1	0	0	2	0	0	0	0	0
67.7	74.5													
1545	0	21	18	2	7	1	0	1	0	0	0	0	0	0
67.1	74.8													
1600	0	24	17	1	4	1	0	1	0	0	0	0	0	0
69.4	75.9													
1615	0	20	16	1	3	0	3	0	1	0	0	0	0	0
68.9	77.7													
1630	0	21	15	0	3	0	0	0	2	0	0	0	0	0
69.6	77.3													
1645	0	38	22	1	4	2	0	0	2	0	0	0	0	0
71.5	77.0													
1700	0	16	19	0	5	0	0	0	1	0	0	0	0	0
69.1	75.8													
1715	0	23	24	1	2	1	0	1	3	0	0	0	0	0
69.6	76.3													
1730	0	21	13	1	4	1	0	0	0	0	0	0	0	0
69.4	75.2													
1745	0	28	19	1	3	0	0	0	0	0	0	0	0	0
68.6	73.6													
1800	0	20	21	0	4	1	0	0	1	0	0	0	0	0
67.4	72.8													
1815	0	28	14	0	2	0	0	0	1	1	0	0	0	0
69.4	76.1													
1830	0	14	12	0	5	0	0	0	2	0	0	0	0	0
68.8	75.4													
1845	0	24	14	0	2	0	0	0	0	0	0	0	0	0
69.2	76.4													
1900	0	16	15	1	4	0	0	0	0	0	0	0	0	0
66.8	73.9													
1915	0	27	16	0	1	0	0	0	0	0	0	0	0	0
70.4	75.8													
1930	1	18	12	0	4	0	0	0	0	0	0	0	0	0
71.3	76.8													
1945	0	13	9	0	2	0	0	1	0	0	0	0	0	0
68.7	74.7													
2000	0	21	4	0	3	1	0	0	0	0	0	0	0	0
70.6	76.5													
2015	0	17	18	1	3	1	0	1	0	0	0	0	0	0
68.9	74.3													
2030	0	9	11	0	1	0	0	0	0	0	0	0	0	0
70.0	79.1													
2045	0	7	8	0	1	0	0	0	0	0	0	0	0	0

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt

67.0	72.1												
2100	0	10	5	0	5	0	0	0	0	0	0	0	0
65.5	75.3												
2115	0	15	7	0	4	0	0	0	0	0	0	0	0
67.1	75.0												
2130	0	12	4	0	0	0	0	0	0	0	0	0	0
68.7	76.1												
2145	1	10	9	0	2	0	0	0	0	0	0	0	0
67.0	72.9												
2200	0	13	9	0	2	0	0	0	0	0	0	0	0
70.2	77.0												
2215	0	12	3	0	0	0	0	0	0	0	0	0	0
67.9	73.1												
2230	0	6	9	0	1	0	0	0	0	0	0	0	0
68.4	75.0												
2245	0	3	4	0	1	0	0	0	0	0	0	0	0
68.7	-												
2300	0	9	2	0	1	0	0	0	0	0	0	0	0
67.4	74.6												
2315	0	4	5	0	1	0	0	0	0	0	0	0	0
71.4	-												
2330	0	8	4	0	1	0	0	0	1	0	0	0	0
70.8	77.3												
2345	0	5	4	0	1	0	0	0	0	0	0	0	0
70.1	-												
0000	0	7	3	1	0	0	0	0	0	0	0	0	0
65.9	80.3												
0015	0	6	4	0	0	0	0	0	1	0	0	0	0
69.3	77.1												
0030	0	3	2	0	1	0	0	0	0	0	0	0	0
64.7	-												
0045	0	5	3	0	0	0	0	0	0	0	0	0	0
71.5	-												
0100	0	4	0	0	2	0	0	0	0	0	0	0	0
68.9	-												
0115	0	2	1	0	1	0	0	0	0	0	0	0	0
68.6	-												
0130	0	2	2	0	0	0	0	0	0	0	0	0	0
68.6	-												
0145	0	2	2	0	1	0	0	0	0	0	0	0	0
72.2	-												
0200	0	4	1	0	0	0	0	0	2	0	0	0	0
69.8	-												
0215	0	1	2	0	0	0	0	0	0	0	0	0	0
68.0	-												
0230	0	4	1	0	1	0	0	0	0	0	0	0	0
70.4	-												
0245	0	0	1	0	0	0	0	0	0	2	0	0	0
66.6	-												
0300	0	1	1	0	1	0	0	0	0	0	0	0	0
69.4	-												
0315	0	3	3	1	1	0	1	0	0	0	0	0	0
71.0	-												
0330	0	2	5	0	0	0	1	0	0	0	0	0	0
64.1	-												
0345	0	4	6	0	1	0	0	0	0	0	0	0	0
70.3	82.0												
0400	0	8	6	0	1	0	0	0	1	0	0	0	0
67.5	75.9												
0415	0	11	11	1	3	0	0	0	0	0	0	0	0
71.6	76.8												
0430	0	7	16	0	5	0	1	0	0	0	0	0	0
71.3	76.4												



	5	LA23	SB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt
0445	0	9	14	0	3	0	0	0	0	0	1	0	0	0
72.2	79.6													
0500	0	10	20	0	2	3	0	0	0	0	1	0	0	0
71.1	78.7													
0515	0	16	22	0	2	1	1	0	0	0	0	0	0	0
70.7	75.5													
0530	0	12	22	0	6	1	0	0	0	0	0	0	0	0
70.0	75.7													
0545	0	18	14	1	11	1	1	0	0	0	0	0	0	0
72.7	78.2													
0600	0	15	28	1	3	3	0	0	0	0	0	0	0	0
70.9	75.7													
0615	0	19	27	0	5	2	1	1	1	1	0	0	0	0
71.2	77.2													
0630	0	29	13	0	2	2	1	0	0	0	0	0	0	0
72.3	80.1													
0645	0	13	19	1	7	0	0	3	0	0	0	0	0	0
69.9	76.0													
0700	0	26	27	1	6	1	0	0	0	0	0	0	0	0
69.5	75.5													
0715	0	27	35	4	9	2	1	0	0	0	0	0	0	0
72.5	79.8													
0730	1	20	25	1	8	6	1	1	3	0	0	0	0	0
71.0	78.2													
0745	0	21	19	1	4	0	0	1	1	0	0	0	0	0
71.9	77.1													
0800	0	21	20	1	4	0	0	0	1	0	0	0	0	0
70.4	77.3													
0815	1	17	13	0	8	1	2	0	3	2	0	0	0	0
71.5	78.2													
0830	0	26	16	1	7	1	1	0	2	0	0	0	0	0
71.9	77.7													
0845	0	10	25	0	6	0	2	0	1	0	0	0	0	1
69.8	76.4													
0900	0	12	16	1	4	1	1	0	0	0	0	0	0	0
68.4	75.0													
0915	0	17	10	1	6	1	0	0	1	0	0	0	0	0
70.0	77.5													
0930	0	15	14	1	4	2	0	0	0	1	0	0	0	0
67.8	72.8													
0945	0	13	28	1	3	5	1	1	0	0	0	0	0	0
68.9	74.2													
1000	0	20	23	0	4	1	1	1	1	0	0	0	0	1
69.1	73.8													
1015	0	16	18	1	5	1	1	0	2	2	0	0	0	0
67.2	72.5													
1030	0	17	17	1	5	1	0	0	3	0	0	0	0	0
69.9	75.5													
1045	0	9	19	1	6	0	3	1	2	0	0	0	0	0
67.4	75.2													
1100	0	8	17	1	3	0	1	0	3	0	0	0	0	0
69.2	76.7													
1115	0	10	14	1	5	0	0	0	3	0	0	0	0	1
70.0	75.6													
1130	0	13	20	0	3	3	1	0	0	0	0	0	0	0
68.9	73.6													
1145	0	15	24	3	6	2	0	1	3	0	0	0	0	0
67.8	75.7													
1200	0	8	17	1	7	1	0	0	1	0	0	0	0	0
67.6	73.3													
1215	0	9	21	1	1	0	0	0	3	0	0	0	0	0
69.2	75.3													
1230	0	14	7	1	7	1	2	1	3	0	0	0	0	0

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUI SIANA LLC. txt

70.0	77.4													
1245	0	18	14	1	3	1	1	0	1	0	0	0	0	0
69.3	78.5													
1300	0	18	18	0	2	2	1	0	1	1	0	0	0	0
67.9	76.2													
1315	0	21	13	0	4	1	0	0	0	0	0	0	0	0
71.0	76.3													
1330	0	18	19	2	4	0	3	0	0	0	0	0	0	0
69.4	74.2													
1345	0	17	15	0	3	4	1	1	1	0	0	0	0	0
70.0	77.7													
1400	0	14	25	3	0	0	1	0	0	1	0	0	0	1
69.5	77.0													
1415	0	17	21	3	2	4	1	0	3	0	0	0	0	0
67.6	72.2													
1430	0	25	19	1	3	1	0	0	3	0	0	0	0	0
69.6	74.8													
1445	0	14	14	1	2	0	0	0	2	1	0	0	0	0
69.3	74.1													

\* Thursday, April 19, 2018 - Friday, April 20, 2018

Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
1500	85	0	18	22	2	3	0	1	0	1	0	0	0	0
68.9	74.3													
1515	0	20	10	1	1	0	1	0	1	0	0	0	0	0
70.9	77.6													
1530	0	19	10	1	3	0	0	0	0	0	0	0	0	0
71.3	81.8													
1545	0	23	17	1	3	1	0	0	1	0	0	0	0	0
70.9	76.7													
1600	0	21	18	3	4	1	0	0	0	0	0	0	0	0
69.6	76.4													
1615	0	22	19	2	4	1	0	0	1	0	0	0	0	0
72.5	78.7													
1630	0	33	18	2	7	2	0	0	2	0	0	0	0	0
71.3	78.1													
1645	1	19	21	1	3	0	2	1	0	0	0	0	0	1
68.7	74.8													
1700	0	25	18	0	3	0	1	0	0	0	0	0	0	0
72.1	77.5													
1715	0	20	23	1	5	0	1	2	0	0	0	0	0	0
70.5	76.8													
1730	0	24	21	0	6	0	0	0	1	0	0	0	0	0
72.6	78.3													
1745	0	22	16	1	4	0	0	0	0	0	0	0	0	0
71.7	79.6													
1800	0	26	26	0	6	1	0	0	0	0	0	0	0	0
72.1	77.2													
1815	0	23	13	0	3	0	0	0	1	0	0	0	0	0
68.7	74.2													
1830	1	20	23	0	4	0	0	1	0	0	0	0	0	0
71.4	79.4													
1845	0	20	10	0	0	3	0	0	0	0	0	0	0	0
73.3	79.1													
1900	1	19	16	0	4	0	0	0	0	0	0	0	0	0
69.6	76.8													
1915	0	15	11	0	2	2	0	0	1	0	0	0	0	0
72.5	76.8													
1930	0	15	12	0	1	2	0	1	1	0	0	0	0	0
70.7	77.3													

	5	LA23	SB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt
1945	0	12	14	0	2	1	0	0	0	0	0	0	0	0
69.8	76.6													
2000	0	16	10	0	1	0	0	0	0	0	0	0	0	0
68.1	73.6													
2015	1	23	10	0	0	0	0	1	2	0	0	0	0	0
71.2	76.5													
2030	0	8	12	1	2	0	0	0	0	0	0	0	0	0
67.6	72.7													
2045	0	14	9	0	3	0	0	0	0	0	0	0	0	0
68.4	73.2													
2100	0	14	11	0	1	0	0	0	1	0	0	0	0	0
70.5	75.9													
2115	0	11	2	1	2	1	0	0	0	0	0	0	0	0
69.7	75.4													
2130	1	7	3	0	1	0	0	0	0	0	0	0	0	0
71.5	79.9													
2145	0	13	6	0	2	0	0	0	0	0	0	0	0	0
71.8	76.2													
2200	0	9	8	0	2	0	0	0	0	0	0	0	0	0
72.2	77.9													
2215	0	8	4	0	1	0	0	0	2	0	0	0	0	0
69.8	74.7													
2230	0	8	6	0	2	0	0	0	0	0	0	0	0	0
68.6	74.1													
2245	0	8	7	0	0	0	0	0	0	0	0	0	0	0
70.2	79.0													
2300	0	4	1	0	0	0	0	0	0	0	0	0	0	0
64.5	-													
2315	0	8	4	1	0	0	0	0	0	0	0	0	0	0
72.8	77.6													
2330	0	8	2	0	0	0	0	0	0	0	0	0	0	0
72.8	-													
2345	0	1	3	0	0	0	0	0	0	0	0	0	0	0
69.4	-													
0000	0	8	8	0	0	0	0	0	1	0	0	0	0	0
70.1	80.7													
0015	0	2	3	0	1	0	0	0	0	0	0	0	0	0
71.2	-													
0030	0	7	1	0	0	0	0	0	0	0	0	0	0	0
72.6	-													
0045	0	1	0	0	0	0	0	0	1	0	0	0	0	0
73.3	-													
0100	0	2	1	1	1	0	0	0	1	0	0	0	0	0
66.7	-													
0115	0	1	1	0	2	0	0	1	0	0	0	0	0	0
69.4	-													
0130	0	1	0	0	0	0	0	0	0	0	0	0	0	0
73.3	-													
0145	0	5	1	0	0	0	0	0	0	0	0	0	0	0
70.0	-													
0200	0	1	1	0	0	0	0	0	0	0	0	0	0	0
68.6	-													
0215	0	0	1	0	0	0	0	0	0	2	0	0	0	0
68.8	-													
0230	0	0	1	0	0	0	0	0	0	0	0	0	0	0
67.9	-													
0245	0	6	3	0	1	0	0	0	1	0	0	0	0	0
70.8	76.5													
0300	0	0	2	0	0	0	0	0	0	0	0	0	0	0
63.5	-													
0315	0	2	3	0	0	0	0	0	0	0	0	0	0	0
67.9	-													
0330	0	3	1	0	0	0	0	0	0	0	0	0	0	1

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt

72.0	-												
0345	0	4	1	1	0	0	0	0	0	0	0	0	0
70.1	-												
0400	0	6	4	0	0	1	0	0	0	0	0	0	0
69.9	80.2												
0415	0	4	4	0	0	0	0	0	0	0	0	0	0
72.2	-												
0430	0	9	10	0	0	0	3	0	0	0	0	0	0
70.8	76.3												
0445	0	6	7	0	3	1	0	0	0	0	0	0	0
69.0	74.6												
0500	0	11	10	0	7	0	0	0	0	0	0	0	0
70.2	77.6												
0515	0	10	9	0	4	2	0	0	0	0	0	0	0
72.0	78.8												
0530	0	10	19	0	4	0	1	0	1	0	0	0	0
70.3	77.2												
0545	0	5	18	0	5	4	0	0	1	0	0	0	1
71.9	77.6												
0600	0	21	17	0	7	3	0	0	0	0	0	0	0
70.6	76.6												
0615	0	25	23	1	3	1	1	2	1	0	0	0	0
72.0	78.8												
0630	1	17	15	0	2	3	0	1	0	0	0	0	0
71.9	79.4												
0645	0	13	14	1	6	2	0	1	0	0	0	0	0
69.5	79.3												
0700	0	19	17	1	4	0	0	0	3	0	0	0	0
70.6	76.7												
0715	0	34	29	3	7	0	0	0	0	0	0	0	0
71.6	77.6												
0730	0	29	34	0	6	0	0	0	3	0	0	0	0
72.0	77.3												
0745	0	14	13	1	4	1	1	0	0	2	0	0	0
71.2	77.8												
0800	0	18	12	1	2	2	0	0	2	0	0	0	0
70.5	78.9												
0815	0	19	18	1	7	2	0	3	1	0	0	0	0
70.5	77.2												
0830	0	27	16	1	7	2	2	0	0	0	0	0	0
70.0	77.0												
0845	0	15	25	1	8	0	0	1	2	2	0	0	0
69.7	76.5												
0900	1	11	18	1	3	4	1	0	2	0	0	0	0
69.0	76.5												
0915	0	8	11	0	6	0	0	0	0	0	0	0	0
66.6	75.6												
0930	0	10	24	1	4	0	1	1	0	0	0	0	0
68.2	73.9												
0945	0	14	9	0	6	1	0	0	3	0	0	0	0
67.9	74.1												
1000	0	14	22	0	6	1	0	0	2	0	0	0	0
68.9	74.3												
1015	1	6	17	0	1	0	1	1	1	0	0	0	0
67.7	72.8												
1030	0	21	22	1	6	1	0	0	3	1	0	0	0
69.1	76.1												
1045	0	11	20	1	4	4	2	0	0	0	0	0	0
67.2	73.9												
1100	0	11	23	2	1	0	0	0	1	0	0	0	0
69.2	76.0												
1115	0	13	25	1	3	4	0	2	2	0	0	0	0
68.5	76.3												

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt														
1130	0	12	21	0	6	1	0	1	3	0	0	0	0	0
69.0	76.5													
1145	0	12	13	1	4	1	0	0	3	1	0	0	0	0
68.8	76.0													
1200	0	14	16	0	1	0	0	1	2	2	0	0	0	0
68.2	75.3													
1215	0	17	17	0	4	1	1	0	1	0	0	0	0	0
66.6	73.5													
1230	0	10	19	1	6	3	0	1	0	0	0	0	0	0
66.8	71.8													
1245	0	13	11	1	1	0	1	0	1	0	0	0	0	0
69.8	76.5													
1300	0	15	14	0	6	2	0	0	1	0	0	0	0	0
68.9	72.0													
1315	0	11	20	0	7	0	0	1	2	0	0	0	0	0
68.2	74.1													
1330	0	13	18	1	3	2	0	0	1	0	0	0	0	0
68.2	75.4													
1345	0	21	20	0	5	1	0	0	0	0	0	0	0	0
71.1	77.9													
1400	1	18	17	2	5	0	0	0	1	0	0	0	0	0
70.4	76.5													
1415	0	25	17	0	3	3	0	1	1	0	0	0	0	0
67.9	72.4													
1430	0	15	9	2	1	1	0	0	0	0	0	0	0	0
71.4	75.5													
1445	0	21	17	1	4	0	0	0	0	0	0	0	0	0
69.5	76.1													

* Friday, April 20, 2018 - Saturday, April 21, 2018														
Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
85														
1500	0	25	16	2	2	0	0	0	2	0	0	0	0	0
69.5	78.7													
1515	0	20	22	0	1	2	0	0	2	1	0	0	0	0
69.1	75.0													
1530	0	19	22	1	8	1	1	0	3	0	0	0	0	0
70.6	76.1													
1545	0	27	18	1	3	2	1	0	1	1	0	0	0	0
69.9	76.3													
1600	0	30	21	2	3	1	0	0	1	1	0	0	0	0
71.4	77.4													
1615	0	25	20	1	3	0	0	0	0	0	0	0	0	1
69.2	76.8													
1630	0	47	39	1	7	1	0	0	0	0	0	0	0	0
69.3	75.8													
1645	1	42	43	1	5	1	1	2	2	0	0	0	0	0
69.3	76.1													
1700	0	49	40	1	6	2	0	0	0	0	0	0	0	0
70.8	77.4													
1715	0	50	41	1	10	1	1	2	0	0	0	0	0	0
69.9	75.8													
1730	0	38	43	1	12	0	0	3	1	0	0	0	0	0
69.5	74.8													
1745	0	38	36	0	8	0	0	1	0	0	0	0	0	0
70.0	75.6													
1800	0	41	31	1	1	1	0	0	0	0	0	0	0	0
70.2	76.3													
1815	0	34	38	0	7	0	0	0	1	0	0	0	0	0
68.4	73.8													
1830	0	15	16	0	4	0	0	0	1	0	0	0	0	0

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt

70.6	77.3												
1845	0	11	12	0	2	0	0	0	0	0	0	0	0
69.9	76.8												
1900	0	13	13	0	1	0	0	1	0	0	0	0	0
71.6	77.8												
1915	0	16	11	0	2	0	0	1	0	0	0	0	0
71.3	76.7												
1930	0	16	12	0	1	0	0	0	1	0	0	0	0
69.9	75.1												
1945	0	16	13	0	0	0	0	1	0	0	0	0	0
70.7	77.9												
2000	0	11	7	0	2	0	0	0	0	0	0	0	0
66.6	74.4												
2015	0	10	11	0	2	0	0	0	0	0	0	0	0
72.1	79.1												
2030	0	11	5	0	1	0	0	0	0	0	0	0	0
69.3	75.9												
2045	0	13	5	0	1	0	0	0	0	0	0	0	0
68.9	73.6												
2100	0	12	14	0	0	0	0	0	0	0	0	0	0
67.2	73.7												
2115	0	9	8	0	0	0	0	0	0	0	0	0	0
71.8	79.2												
2130	0	11	8	0	1	0	0	0	1	0	0	0	0
67.2	73.7												
2145	0	9	5	0	2	0	0	0	0	0	0	0	0
70.0	74.9												
2200	0	13	7	1	4	0	0	0	0	0	0	0	0
68.4	74.6												
2215	0	7	2	0	0	0	0	0	0	0	0	0	0
69.4	-												
2230	0	6	2	0	0	0	0	0	0	0	0	0	0
64.7	-												
2245	0	4	2	0	0	0	0	0	0	1	0	0	0
67.4	-												
2300	0	9	11	0	0	0	0	0	0	0	0	0	0
72.8	86.8												
2315	0	7	2	0	1	0	0	0	0	0	0	0	0
67.2	-												
2330	0	5	6	0	1	0	0	0	0	0	0	0	0
72.5	78.5												
2345	0	5	4	0	0	0	0	0	1	0	0	0	0
69.9	-												
0000	0	5	5	0	1	0	0	0	0	0	0	0	0
69.6	74.9												
0015	0	4	2	1	1	0	0	0	0	0	0	0	0
71.4	-												
0030	0	5	2	0	0	0	0	0	0	0	0	0	0
69.4	-												
0045	0	4	1	0	0	0	0	0	0	0	0	0	0
69.9	-												
0100	0	3	0	0	0	0	0	0	0	0	0	0	0
70.8	-												
0115	0	5	1	0	1	0	0	0	0	0	0	0	0
68.7	-												
0130	0	1	0	0	0	0	0	0	0	0	0	0	0
64.6	-												
0145	0	3	1	0	0	0	0	0	0	0	0	0	0
69.3	-												
0200	0	5	4	0	0	0	0	0	0	0	0	0	0
71.8	-												
0215	0	5	5	0	2	0	0	0	0	0	0	0	0
71.4	76.2												

	5	LA23	SB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt
0230	0		4	4	0	1	0	0	0	0	0	0	0	0
71.1	-													
0245	0		1	7	0	2	0	0	1	0	0	0	0	0
66.6	70.9													
0300	0		9	7	0	0	0	0	0	1	0	0	0	0
68.5	75.2													
0315	0		5	13	0	0	0	0	0	1	0	0	0	0
69.3	72.5													
0330	0		12	11	0	2	0	0	0	1	0	0	0	0
71.6	80.0													
0345	0		9	11	0	4	0	0	0	0	0	0	0	0
70.1	76.8													
0400	0		5	11	1	2	0	0	0	0	0	0	0	0
67.7	72.8													
0415	0		5	10	0	2	0	0	3	1	0	0	0	0
67.2	75.7													
0430	0		4	15	0	0	0	0	0	0	0	0	0	0
64.6	70.7													
0445	0		7	16	0	1	0	0	1	0	0	0	0	0
69.2	77.2													
0500	0		10	16	0	1	0	0	1	0	0	0	0	0
69.1	75.1													
0515	0		9	21	1	3	0	0	1	1	0	0	0	0
68.4	73.9													
0530	0		11	17	0	5	0	0	1	3	0	0	0	0
69.3	73.6													
0545	0		16	20	1	7	0	0	1	0	0	0	0	0
71.1	75.4													
0600	0		6	19	0	5	0	0	2	2	0	0	0	0
70.1	75.4													
0615	0		7	20	1	1	0	0	1	0	0	0	0	0
68.4	73.6													
0630	0		9	19	0	5	1	0	0	0	0	0	0	0
68.0	77.8													
0645	0		11	25	0	6	0	1	0	0	0	0	0	0
69.1	74.7													
0700	0		11	13	0	3	1	0	0	1	0	0	0	0
69.9	76.4													
0715	0		13	21	0	2	0	0	0	1	0	0	0	0
72.2	78.6													
0730	0		12	12	0	5	0	0	0	0	0	0	0	0
71.1	77.9													
0745	0		12	12	0	3	0	0	1	0	0	0	0	0
68.3	75.4													
0800	0		8	20	0	3	0	0	0	1	0	0	0	0
69.0	78.1													
0815	0		10	10	0	2	0	0	0	0	0	0	0	0
72.2	81.9													
0830	0		25	18	0	5	1	0	2	0	0	0	0	0
71.6	78.6													
0845	0		15	19	0	3	0	0	0	0	0	0	0	0
72.9	79.7													
0900	0		18	21	0	2	0	0	3	1	0	0	0	0
69.8	78.5													
0915	0		19	20	0	4	0	0	0	1	1	0	0	0
70.4	76.3													
0930	0		14	14	0	2	0	0	0	0	0	0	0	0
70.6	77.2													
0945	0		14	17	0	2	0	0	0	0	0	0	0	0
69.6	75.6													
1000	1		18	18	0	2	0	0	0	0	0	0	0	0
68.2	75.3													
1015	0		17	20	0	2	0	0	0	0	0	0	0	0

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt

68.8	76.4													
1030	0	11	15	0	3	0	0	0	0	0	0	0	0	0
68.8	76.5													
1045	1	10	18	0	4	0	0	0	1	0	0	0	0	0
67.9	76.3													
1100	0	14	21	0	2	0	0	2	2	0	0	0	0	0
68.6	75.8													
1115	0	14	15	0	2	0	0	1	0	0	0	0	0	0
70.6	79.5													
1130	1	24	21	0	1	0	0	0	1	0	0	0	0	0
71.5	78.1													
1145	0	22	12	0	1	0	0	0	0	0	0	0	0	0
69.4	75.0													
1200	0	12	10	0	3	0	0	0	0	0	0	0	0	0
70.2	76.6													
1215	0	9	17	0	3	0	0	0	0	0	0	0	0	0
66.9	76.4													
1230	0	18	17	0	6	0	0	0	0	0	0	0	0	0
70.7	77.2													
1245	0	13	15	0	0	0	0	1	0	0	0	0	0	0
69.8	77.7													
1300	0	17	11	0	3	0	0	0	0	0	0	0	0	0
68.7	75.6													
1315	0	24	9	0	2	0	0	1	0	0	0	0	0	0
69.8	76.0													
1330	2	19	12	0	2	0	0	1	0	0	0	0	0	0
69.1	77.9													
1345	0	18	17	0	2	0	0	0	1	0	0	0	0	0
70.1	76.6													
1400	0	19	11	0	1	0	0	1	0	0	0	0	0	0
69.1	78.1													
1415	0	16	16	0	2	0	0	0	0	0	0	0	0	0
71.9	78.6													
1430	0	17	20	0	2	0	0	0	1	0	0	0	0	0
68.7	74.4													
1445	0	21	16	0	1	0	0	1	0	0	0	0	0	0
69.0	75.0													

* Saturday, April 21, 2018 - Sunday, April 22, 2018														
Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
1500	85	0	30	11	0	2	0	0	0	0	0	0	0	0
69.7	76.0													
1515	0	14	20	0	2	0	0	0	0	0	0	0	0	0
68.4	73.6													
1530	0	21	13	1	3	0	0	1	0	0	0	0	0	0
68.5	74.4													
1545	0	19	17	0	1	0	0	0	0	0	0	0	0	0
68.6	75.1													
1600	0	24	12	0	3	0	0	0	0	0	0	0	0	0
71.7	80.8													
1615	0	21	11	0	3	0	0	0	0	0	0	0	0	0
71.4	75.9													
1630	0	22	17	0	1	0	0	0	0	0	0	0	0	0
68.2	74.1													
1645	0	26	16	2	3	0	0	1	0	0	0	0	0	0
69.9	76.4													
1700	0	25	11	0	2	0	0	0	0	0	0	0	0	0
71.1	78.7													
1715	0	24	5	0	2	0	1	0	0	0	0	0	0	0
68.5	74.8													



	5	LA23	SB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt
1730	2	24	14	0	2	0	0	0	1	0	0	0	0	0
71.8	80.1													
1745	0	22	20	0	0	0	0	0	0	0	0	0	0	0
70.3	77.3													
1800	0	22	12	0	2	0	0	0	0	0	0	0	0	0
72.1	77.6													
1815	0	12	10	0	2	0	0	0	0	0	0	0	0	0
68.8	74.1													
1830	0	22	7	0	2	0	0	0	0	0	0	0	0	0
72.1	78.9													
1845	0	15	11	0	2	0	0	0	1	0	0	0	0	0
67.3	74.0													
1900	0	22	13	0	1	0	0	0	0	0	0	0	0	0
69.9	76.4													
1915	0	28	5	0	2	0	0	0	0	0	0	0	0	0
71.1	79.6													
1930	0	12	7	0	0	0	0	0	0	0	0	0	0	0
67.7	73.9													
1945	0	9	10	0	2	0	0	0	0	0	0	0	0	0
71.5	83.2													
2000	0	9	5	0	1	0	0	1	0	0	0	0	0	0
68.5	75.9													
2015	0	16	6	0	0	0	0	0	0	0	0	0	0	0
71.4	76.4													
2030	0	12	13	0	1	0	0	0	0	0	0	0	0	0
67.9	72.0													
2045	0	10	7	0	1	0	0	0	0	0	0	0	0	0
71.0	78.2													
2100	0	10	8	0	2	0	0	0	0	0	0	0	0	0
68.6	74.4													
2115	0	10	5	0	1	0	0	0	0	0	0	0	0	0
70.3	77.0													
2130	0	5	8	0	1	0	0	0	0	0	0	0	0	0
67.6	74.2													
2145	0	7	3	0	0	0	0	0	3	0	0	0	0	0
69.5	76.8													
2200	0	5	6	0	1	0	0	0	0	0	0	0	0	0
67.8	72.6													
2215	0	8	1	0	1	0	0	0	0	0	0	0	0	0
67.5	-													
2230	0	9	6	0	1	0	0	0	0	0	0	0	0	0
71.7	75.9													
2245	0	11	2	0	0	0	0	0	0	0	0	0	0	0
70.0	74.1													
2300	0	5	4	1	0	0	0	0	0	0	0	0	0	0
69.0	-													
2315	0	5	1	0	0	0	0	0	0	0	0	0	0	0
68.2	-													
2330	0	1	2	0	0	0	0	0	0	0	0	0	0	0
66.9	-													
2345	0	8	3	0	0	0	0	0	0	0	0	0	0	0
65.5	70.2													
0000	0	3	2	0	0	0	0	0	0	0	0	0	0	0
74.1	-													
0015	0	1	2	0	0	0	0	0	0	0	0	0	0	0
62.5	-													
0030	0	4	0	0	1	0	0	0	0	0	0	0	0	0
72.7	-													
0045	0	3	4	0	0	0	0	0	0	0	0	0	0	0
69.3	-													
0100	0	4	2	0	0	0	0	0	0	0	0	0	0	0
62.2	-													
0115	0	2	0	0	0	0	0	0	1	0	0	0	0	0

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUI SIANA LLC. txt

65.6	-												
0130	0	1	2	0	0	0	0	0	1	0	0	0	0
67.6	-												
0145	0	1	1	1	0	0	0	0	0	0	0	0	0
65.5	-												
0200	0	4	2	0	0	0	0	0	0	0	0	0	0
67.8	-												
0215	0	3	0	0	0	0	0	0	0	0	0	0	0
68.6	-												
0230	0	3	5	0	1	0	0	0	0	0	0	0	0
70.4	-												
0245	0	3	5	0	1	0	0	0	0	0	0	0	0
71.9	-												
0300	0	8	2	0	0	0	0	1	0	0	0	0	0
67.2	74.8												
0315	0	3	3	1	0	0	0	0	0	0	0	0	0
72.1	-												
0330	0	2	3	0	0	0	0	0	0	0	0	0	0
69.3	-												
0345	0	7	9	0	1	0	0	0	0	0	0	0	0
71.1	78.6												
0400	0	6	10	0	0	0	0	0	0	0	0	0	0
65.8	72.8												
0415	0	5	4	0	1	0	0	0	0	0	0	0	0
68.3	-												
0430	1	5	5	0	0	0	0	0	0	0	0	0	0
70.8	80.4												
0445	0	3	14	0	2	0	0	0	0	0	0	0	0
64.8	72.8												
0500	0	9	4	0	2	0	0	0	0	0	0	0	0
67.2	72.4												
0515	0	11	5	0	1	0	0	0	0	0	0	0	0
67.3	75.7												
0530	0	11	5	0	2	0	0	0	0	0	0	0	0
70.1	77.2												
0545	0	7	5	0	1	0	0	0	0	0	0	0	0
69.2	74.9												
0600	0	4	2	0	1	0	0	0	0	0	0	0	0
67.3	-												
0615	0	7	4	0	2	0	0	0	0	0	0	0	0
67.8	72.0												
0630	0	4	5	1	2	0	0	0	1	0	0	0	0
67.7	76.0												
0645	0	6	9	0	0	0	0	0	1	0	0	0	0
67.9	72.5												
0700	0	9	9	0	1	0	0	0	1	0	0	0	0
69.9	78.7												
0715	0	6	7	0	0	0	0	0	0	0	0	0	0
69.0	79.5												
0730	0	6	1	0	1	0	0	0	1	0	0	0	0
66.8	-												
0745	0	8	6	0	1	0	0	0	0	0	0	0	0
67.2	73.1												
0800	0	9	7	0	1	0	0	0	0	0	0	0	0
66.4	73.7												
0815	0	9	9	0	2	0	0	0	0	0	0	0	0
70.4	74.8												
0830	0	8	2	0	2	0	0	0	0	0	0	0	0
68.3	73.9												
0845	0	11	7	0	2	0	0	0	1	0	0	0	0
66.0	70.4												
0900	0	4	6	0	1	0	0	0	1	0	0	0	0
64.5	69.2												

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENERGENCY LOUISIANA LLC. txt

0915	0	6	7	0	4	0	0	0	0	0	0	0	0
62.1	69.6												
0930	0	11	8	0	1	0	0	0	1	0	0	0	0
69.8	78.6												
0945	0	1	11	0	2	0	0	0	0	0	0	0	0
66.0	71.1												
1000	0	7	7	0	0	0	0	0	1	0	0	0	0
68.1	75.4												
1015	0	6	5	1	3	0	0	0	0	0	0	0	0
69.3	74.7												
1030	0	6	8	0	5	0	0	0	0	0	0	0	0
67.8	76.3												
1045	0	11	5	0	3	0	1	0	0	0	0	0	0
66.8	74.8												
1100	0	7	10	0	1	0	0	0	0	0	0	0	0
64.7	72.0												
1115	0	13	7	0	1	0	0	0	0	0	0	0	0
67.9	76.2												
1130	0	13	11	0	0	0	0	0	1	0	0	0	0
67.8	72.8												
1145	0	2	12	2	1	0	0	0	0	0	0	0	0
67.6	74.2												
1200	0	11	15	0	2	0	0	0	1	0	0	0	0
67.7	76.8												
1215	0	10	9	0	2	0	0	0	0	0	0	0	0
67.3	71.4												
1230	0	15	13	0	2	0	0	0	1	0	0	0	0
69.1	75.5												
1245	0	15	13	1	1	0	0	0	1	0	0	0	0
67.8	73.6												
1300	0	22	12	0	2	0	0	0	0	1	0	0	0
71.6	79.2												
1315	0	10	16	0	2	0	0	0	0	0	0	0	0
68.5	75.9												
1330	0	11	10	0	2	0	0	0	1	0	0	0	0
69.8	73.2												
1345	0	14	9	0	1	0	0	0	0	0	0	0	0
69.8	75.1												
1400	0	15	16	0	0	0	0	0	0	0	0	0	0
71.3	76.6												
1415	0	19	10	0	4	0	0	0	0	0	0	0	0
71.8	80.3												
1430	0	22	15	0	0	0	0	0	0	0	0	0	0
70.7	76.9												
1445	0	21	8	0	1	0	0	0	0	0	0	0	0
72.7	79.0												

\* Sunday, May 06, 2018

Time	Cl S	Cl S	Cl S	Cl S	Cl S	Cl S	Cl S	Cl S	Cl S	Cl S	Cl S	Cl S	Cl S	
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
0000	0	8	1	0	1	0	0	0	0	0	0	0	0	0
72.7	-													
0015	0	7	6	0	2	0	0	0	0	0	0	0	0	0
67.9	73.4													
0030	0	6	3	0	1	0	0	0	0	0	0	0	0	0
72.4	-													
0045	0	6	1	0	0	0	0	0	0	0	0	0	0	0
70.9	-													
0100	0	5	2	1	0	0	0	0	0	0	0	0	0	0
66.5	-													
0115	0	2	1	0	0	1	0	0	0	0	0	0	0	0

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt

66.6	-												
0130	0	3	4	0	0	0	0	0	0	0	0	0	0
70.3	-												
0145	0	0	0	0	1	0	0	0	0	0	0	0	0
67.4	-												
0200	0	1	0	0	0	0	0	0	0	0	0	0	0
70.5	-												
0215	0	0	0	0	1	0	0	0	0	0	0	0	0
62.5	-												
0230	0	3	0	0	0	0	0	0	0	0	0	0	0
76.7	-												
0245	0	3	2	0	0	1	0	1	0	0	0	0	0
72.7	-												
0300	0	3	1	0	0	0	0	0	0	0	0	0	0
61.5	-												
0315	0	1	1	0	0	0	0	0	0	0	0	0	0
69.5	-												
0330	0	6	2	0	0	0	0	0	0	0	0	0	0
70.6	-												
0345	0	3	7	0	2	0	0	0	0	0	0	0	0
67.9	74.3												
0400	0	6	4	0	3	0	0	0	0	0	0	0	0
67.9	70.6												
0415	0	3	13	0	3	0	0	0	0	0	0	0	0
67.8	73.7												
0430	0	8	13	0	1	0	0	0	0	0	0	0	0
67.6	75.2												
0445	0	5	22	0	2	0	0	1	0	0	0	0	0
70.8	77.8												
0500	0	1	17	0	2	1	0	0	1	0	0	0	0
66.1	71.1												
0515	0	4	11	0	4	1	0	1	0	0	0	0	0
68.9	78.9												
0530	0	5	13	0	1	0	0	1	1	0	0	0	0
67.4	73.5												
0545	0	6	17	0	1	0	0	0	1	0	0	0	0
66.8	76.1												
0600	0	4	15	0	0	0	0	0	0	0	0	0	0
65.9	71.0												
0615	0	13	14	0	1	1	0	0	0	0	0	0	0
69.1	74.9												
0630	0	12	16	0	2	0	0	0	1	0	0	0	0
67.7	73.9												
0645	0	10	14	0	0	0	0	1	1	0	0	0	0
70.0	75.1												
0700	0	8	12	0	0	0	0	0	0	0	0	0	0
70.3	79.4												
0715	0	9	11	0	4	1	0	0	2	0	0	0	0
70.5	76.3												
0730	0	6	9	0	2	0	0	0	0	0	0	0	0
69.5	79.2												
0745	0	7	17	0	3	0	0	1	0	0	0	0	0
68.9	74.5												
0800	0	7	11	0	1	0	0	0	0	0	0	0	0
70.4	81.1												
0815	0	9	9	1	1	1	0	0	0	0	0	0	0
71.4	76.2												
0830	0	13	13	0	3	0	0	0	0	0	0	0	0
70.7	78.6												
0845	0	11	15	1	1	0	0	0	0	0	0	0	0
69.9	77.4												
0900	1	14	13	0	3	0	0	0	0	0	0	0	0
70.6	80.0												

	5	LA23	SB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt	
0915	0	10	5	0	1	0	0	0	0	0	0	0	0	0	0
69.2	75.9														
0930	0	9	7	0	2	0	0	0	0	1	0	0	0	0	0
69.0	76.1														
0945	0	12	8	0	3	0	0	0	0	3	0	0	0	0	0
68.6	73.7														
1000	0	5	11	0	0	0	0	0	0	1	0	0	0	0	0
67.9	76.0														
1015	0	13	8	0	2	0	0	0	0	0	0	0	0	0	0
66.8	73.2														
1030	0	16	17	0	1	0	0	0	0	0	0	0	0	0	0
71.5	80.4														
1045	0	16	15	0	2	0	0	0	0	0	0	0	0	0	0
69.7	75.2														
1100	0	23	13	1	2	0	0	0	0	1	0	0	0	0	0
70.5	75.4														
1115	0	27	12	0	1	0	0	0	0	3	0	0	0	0	0
69.7	76.3														
1130	0	14	11	0	3	0	0	0	0	0	0	0	0	0	0
69.4	77.0														
1145	2	12	11	0	3	0	0	0	0	0	0	0	0	0	0
70.1	76.7														
1200	0	19	13	0	1	0	0	0	0	0	0	0	0	0	0
70.4	77.9														
1215	0	16	12	0	2	0	0	0	0	0	0	0	0	0	0
69.8	75.6														
1230	0	24	21	1	4	0	0	0	0	0	0	0	0	0	0
69.7	75.9														
1245	0	19	19	0	3	0	0	0	0	1	0	0	0	0	0
70.9	80.3														
1300	0	11	6	0	1	0	0	0	0	1	1	0	0	0	0
67.6	75.6														
1315	0	20	10	1	3	0	0	0	0	1	0	0	0	0	0
69.6	75.5														
1330	0	15	11	0	2	0	0	0	0	1	0	0	0	0	0
68.5	75.0														
1345	0	20	14	0	1	0	0	0	0	0	0	0	0	0	0
69.8	76.0														
1400	1	19	17	0	0	0	0	0	0	0	0	0	0	0	0
69.5	74.2														
1415	0	10	24	0	2	0	0	0	0	2	0	0	0	0	0
70.0	76.3														
1430	0	16	14	0	6	0	0	0	0	1	0	0	0	0	0
71.6	77.0														
1445	0	26	9	0	1	0	0	0	0	1	0	0	0	0	0
68.9	76.6														
1500	1	11	17	0	1	0	0	0	0	0	0	0	0	0	0
71.4	79.1														
1515	0	25	12	0	2	0	0	0	0	2	0	0	0	0	0
72.3	79.9														
1530	0	21	13	1	2	0	0	0	0	0	0	0	0	0	0
71.2	78.3														
1545	0	28	24	0	3	0	0	0	0	0	0	0	0	0	0
70.2	76.7														
1600	0	25	20	0	2	0	0	0	0	0	0	0	0	0	0
70.9	75.7														
1615	0	26	15	0	4	0	0	0	0	1	0	0	0	0	0
70.3	76.4														
1630	0	27	22	0	1	0	0	0	0	0	0	0	0	0	0
69.7	77.2														
1645	0	19	19	0	1	0	0	0	0	0	0	0	0	0	0
71.1	78.0														
1700	0	16	20	0	2	0	0	0	0	0	0	0	0	0	0

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt

69.4	75.0													
1715	1	21	14	0	3	0	0	0	0	0	0	0	0	0
70.9	76.6													
1730	0	16	8	0	1	0	0	0	0	0	0	0	0	0
69.7	75.5													
1745	1	22	16	1	2	0	0	0	0	0	0	0	0	0
71.5	77.9													
1800	1	12	5	0	0	0	0	0	0	0	0	0	0	0
72.8	82.1													
1815	0	20	10	0	0	0	0	0	0	0	0	0	0	0
70.6	78.3													
1830	1	20	14	0	2	0	0	0	0	0	0	0	0	0
71.2	79.5													
1845	2	17	5	0	1	0	0	0	0	0	0	0	0	0
72.5	82.6													
1900	0	18	12	0	0	0	0	0	0	0	0	0	0	0
72.1	79.6													
1915	0	7	10	0	2	0	0	0	0	0	0	0	0	0
69.0	74.5													
1930	0	13	11	0	2	0	0	0	0	0	0	0	0	0
68.5	72.5													
1945	0	9	7	0	1	0	0	0	0	0	0	0	0	0
66.8	72.7													
2000	0	10	8	0	0	0	0	0	0	0	0	0	0	0
68.8	73.3													
2015	0	11	10	0	1	0	0	0	0	0	0	0	0	0
70.0	74.5													
2030	0	15	5	0	2	0	0	0	0	0	0	0	0	0
69.6	77.6													
2045	0	12	1	0	1	0	0	0	0	0	0	0	0	0
68.8	73.0													
2100	0	9	7	0	0	0	0	0	0	0	0	0	0	0
66.2	71.0													
2115	0	8	9	0	0	0	0	0	1	0	0	0	0	0
66.4	74.3													
2130	0	10	4	0	0	0	0	0	0	0	0	0	0	0
73.1	78.3													
2145	0	13	7	0	0	0	0	0	0	0	0	0	0	0
70.0	78.6													
2200	0	5	3	0	1	0	0	0	1	0	0	0	0	0
67.8	-													
2215	0	8	1	0	0	0	0	0	0	0	0	0	0	0
69.0	-													
2230	0	5	4	0	0	0	0	0	0	0	0	0	0	0
69.0	-													
2245	0	8	4	0	0	0	0	0	0	0	0	0	0	0
68.1	72.2													
2300	0	7	4	0	0	0	0	0	0	0	0	0	0	0
69.9	82.9													
2315	0	8	3	0	1	0	0	0	0	0	0	0	0	0
67.3	75.9													
2330	1	4	2	0	0	0	0	0	0	0	0	0	0	0
72.3	-													
2345	0	6	2	0	1	0	0	0	0	0	0	0	0	0
69.0	-													
00-00	12	1102	946	8	131	7	0	6	29	1	0	0	0	0
69.8	76.1													

\* Monday, May 07, 2018

Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
	85													

	5	LA23	SB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt	
0000	0		4	0	0	0	0	0	0	0	0	0	0	0	0
62.5	-														
0015	0		0	1	0	1	0	0	0	0	0	0	0	0	0
71.2	-														
0030	0		1	0	0	0	0	0	0	0	0	0	0	0	0
61.7	-														
0045	0		2	1	0	0	0	0	0	2	0	0	0	0	0
64.6	-														
0100	0		4	1	0	0	0	0	0	0	0	1	0	0	0
66.9	-														
0115	0		5	2	0	0	0	0	0	0	0	0	0	0	0
71.3	-														
0130	0		4	1	0	0	0	0	0	0	0	0	0	0	0
68.0	-														
0145	0		4	1	0	0	0	0	0	0	0	0	0	0	0
76.8	-														
0200	0		1	2	0	0	0	0	0	0	0	0	0	0	0
62.7	-														
0215	0		0	1	0	0	0	0	0	0	0	0	0	0	0
65.1	-														
0230	0		0	3	0	0	0	0	0	0	0	0	0	0	0
70.3	-														
0245	0		1	1	0	0	0	0	0	0	0	0	0	0	0
67.6	-														
0300	0		4	1	0	0	0	0	0	0	1	0	0	0	0
66.5	-														
0315	0		1	5	0	0	0	0	0	0	0	1	0	0	0
66.8	-														
0330	0		5	1	0	0	0	0	0	0	0	1	0	0	0
67.7	-														
0345	0		7	6	0	1	0	0	0	0	0	0	0	0	0
67.7	75.2														
0400	0		4	9	0	3	0	0	0	0	1	0	0	0	0
68.7	73.6														
0415	0		11	28	0	6	0	0	0	0	0	0	0	0	0
68.2	72.9														
0430	0		15	27	1	4	1	0	0	0	0	0	0	0	0
67.8	72.3														
0445	0		16	22	1	6	1	0	0	0	0	0	0	0	0
69.2	74.1														
0500	1		9	25	0	3	0	0	0	0	0	0	0	0	0
69.6	75.0														
0515	0		14	25	0	6	0	0	1	0	0	0	0	0	0
68.4	74.4														
0530	0		15	21	1	3	0	0	0	0	0	0	0	0	0
68.7	73.7														
0545	0		18	23	1	3	1	0	0	0	0	0	0	0	0
67.4	74.7														
0600	0		30	42	1	7	0	0	0	1	0	0	0	0	0
69.4	76.5														
0615	2		33	44	1	7	1	0	2	0	0	0	0	0	0
71.1	76.3														
0630	0		35	30	0	5	1	0	0	0	0	1	0	0	0
71.2	76.1														
0645	0		21	15	0	1	0	2	0	1	0	0	0	0	1
71.1	77.7														
0700	0		28	17	3	4	0	0	0	0	0	0	0	0	0
70.7	77.3														
0715	0		16	17	0	4	0	0	0	0	0	0	0	0	0
69.3	75.2														
0730	0		17	24	1	6	1	0	0	1	2	0	0	0	0
69.1	74.5														
0745	0		15	25	1	10	3	0	0	2	0	0	0	0	0

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUI SIANA LLC. txt

67.1	74.1												
0800	0	7	13	3	7	0	1	0	3	0	0	0	0
66.7	73.5												
0815	0	9	12	0	5	0	0	0	1	0	0	0	0
68.1	73.8												
0830	3	14	24	1	4	0	0	0	0	0	0	0	0
67.3	74.0												
0845	0	8	15	2	4	0	0	1	1	0	0	0	0
65.3	70.3												
0900	0	6	19	1	5	0	0	0	1	0	0	0	0
67.3	71.1												
0915	1	13	12	0	7	1	1	0	3	1	0	0	0
65.9	71.4												
0930	0	12	22	1	4	0	1	0	1	0	0	0	0
67.8	74.3												
0945	0	15	17	0	3	1	0	0	1	1	0	0	0
66.3	72.6												
1000	0	9	28	0	6	0	0	0	4	0	0	0	0
66.4	73.2												
1015	0	12	22	0	3	1	1	0	0	1	0	0	0
66.1	71.6												
1030	0	15	14	1	3	2	0	0	4	1	0	0	0
69.8	76.5												
1045	0	15	14	2	6	0	1	0	1	0	0	0	0
66.5	73.1												
1100	0	12	13	0	5	0	0	0	1	0	0	0	0
69.3	75.4												
1115	0	12	20	1	3	0	0	0	0	0	0	0	0
69.0	75.0												
1130	0	18	15	1	5	2	1	0	0	0	0	0	0
69.1	75.2												
1145	0	12	21	1	4	0	0	0	2	0	0	0	0
69.5	75.1												
1200	0	14	11	0	3	0	0	0	0	0	0	0	0
65.6	72.2												
1215	0	14	18	0	3	0	1	0	1	0	0	0	0
68.0	75.2												
1230	0	14	21	1	1	0	1	0	0	0	0	0	0
67.2	72.2												
1245	0	14	13	1	2	0	0	0	2	0	0	0	0
67.1	72.9												
1300	0	20	15	0	3	2	0	0	6	0	0	0	0
67.6	72.8												
1315	0	18	15	0	2	1	0	0	4	1	0	0	0
66.8	71.7												
1330	0	15	19	0	3	0	0	0	0	2	0	0	0
66.1	72.4												
1345	0	18	23	0	4	0	0	0	2	1	0	0	0
65.6	70.9												
1400	0	16	15	1	5	1	0	1	1	0	0	0	0
69.1	74.2												
1415	0	14	13	0	4	1	0	0	0	0	0	0	0
67.7	73.5												
1430	0	12	12	2	2	0	1	0	3	0	0	0	0
68.0	76.2												
1445	0	23	15	2	5	0	0	0	2	0	0	0	0
68.6	75.8												
1500	0	20	20	0	5	1	0	0	0	0	0	0	0
68.8	74.6												
1515	0	27	17	0	5	0	0	0	1	0	0	0	0
67.7	73.4												
1530	0	16	15	1	6	0	0	0	0	0	0	0	0
69.8	76.3												



	5	LA23	SB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt
1545	0	18	21	0	3	1	0	0	0	1	0	0	0	0
69.7	76.1													
1600	0	22	16	4	6	0	0	0	0	0	0	0	0	0
67.3	73.7													
1615	0	24	20	0	6	0	0	0	0	1	1	0	0	0
69.2	75.3													
1630	0	25	16	2	0	0	0	0	0	2	0	0	0	0
68.5	75.2													
1645	0	27	24	1	6	0	0	0	0	0	0	0	0	0
69.7	75.4													
1700	0	24	19	0	4	1	0	0	0	0	0	0	0	0
70.4	78.2													
1715	0	25	19	1	2	0	0	0	0	0	0	0	0	0
70.7	75.9													
1730	0	25	20	0	2	0	0	0	0	0	0	0	0	0
68.4	77.3													
1745	0	20	16	0	2	0	0	0	0	0	0	0	0	0
69.7	75.3													
1800	0	22	17	2	0	0	0	0	0	0	0	0	0	0
66.9	74.3													
1815	0	17	12	0	2	0	0	1	0	0	0	0	0	0
70.0	77.3													
1830	0	18	16	0	4	0	0	0	0	0	0	0	0	0
70.4	76.7													
1845	0	19	8	0	0	0	0	0	0	0	0	0	0	0
71.1	75.7													
1900	0	12	17	0	2	0	0	0	1	0	0	0	0	0
71.0	79.0													
1915	0	19	10	0	2	0	0	0	0	0	0	0	0	0
68.1	74.8													
1930	0	14	14	0	3	0	0	0	0	0	0	0	0	0
69.1	74.5													
1945	0	12	7	1	1	0	0	0	1	0	0	0	0	0
67.7	71.4													
2000	0	16	3	0	1	0	0	0	0	0	0	0	0	0
68.4	73.9													
2015	0	15	7	0	0	0	0	0	0	0	0	0	0	0
64.3	74.4													
2030	0	16	8	0	1	0	0	0	0	0	0	0	0	0
66.8	74.6													
2045	0	14	11	0	2	0	0	0	1	0	0	0	0	0
67.2	73.6													
2100	0	5	5	0	1	0	0	0	0	0	0	0	0	0
68.0	73.4													
2115	0	7	11	0	1	0	0	0	0	0	0	0	0	0
67.3	74.7													
2130	0	14	5	0	1	0	0	0	0	0	0	0	0	0
67.3	71.6													
2145	0	9	4	0	0	0	0	0	0	0	0	0	0	0
65.6	72.9													
2200	0	7	2	0	1	0	0	0	0	0	0	0	0	0
69.1	-													
2215	0	7	2	0	1	0	0	0	0	0	0	0	0	0
66.3	-													
2230	0	7	2	0	0	0	0	0	0	0	0	0	0	0
64.9	-													
2245	0	4	2	0	0	0	0	0	0	0	0	0	0	0
64.3	-													
2300	0	4	3	0	1	0	0	0	0	0	0	0	0	0
66.6	-													
2315	0	1	4	0	0	0	0	0	0	0	0	0	0	0
66.0	-													
2330	0	6	4	0	0	0	0	0	0	0	0	0	0	0

5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUISIANA LLC. txt

74.7	-												
2345	0	6	2	0	1	0	0	0	0	0	0	0	0
71.6	-												
00-00	7	1265	1291	44	263	24	11	8	59	15	0	0	1
68.4	74.4												

\* Tuesday, May 08, 2018

Time	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	Cl s	
Mean	Vpp	1	2	3	4	5	6	7	8	9	10	11	12	13
0000	85	0	5	3	0	0	0	0	0	0	0	0	0	0
67.6	-													
0015	0	1	2	0	0	0	0	0	0	0	0	0	0	0
69.2	-													
0030	0	3	0	0	1	0	0	0	0	0	0	0	0	0
68.3	-													
0045	0	4	1	0	0	0	0	0	0	0	0	0	0	0
72.8	-													
0100	0	2	0	0	0	0	0	0	0	0	0	0	0	0
69.8	-													
0115	0	1	0	0	0	0	0	0	0	1	1	0	0	0
68.2	-													
0130	0	2	2	0	0	0	0	0	0	0	0	0	0	0
69.8	-													
0145	0	3	2	0	0	0	0	0	0	0	0	0	0	0
67.9	-													
0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	-													
0215	0	1	2	0	0	0	0	0	0	0	0	0	0	0
69.7	-													
0230	0	1	2	0	0	0	0	0	0	0	0	0	0	0
68.3	-													
0245	0	4	2	0	0	0	0	0	0	0	0	0	0	0
69.4	-													
0300	0	5	0	0	4	0	0	0	0	0	0	0	0	0
65.7	-													
0315	0	1	4	0	1	0	0	0	0	0	0	0	0	0
65.5	-													
0330	0	6	7	0	3	0	0	0	0	0	0	0	0	0
67.0	70.5													
0345	0	5	9	0	2	0	0	0	0	0	0	0	0	0
67.5	76.3													
0400	0	10	7	0	4	0	0	0	0	0	0	0	0	0
65.0	69.5													
0415	0	6	24	0	6	1	0	0	0	0	0	0	0	0
68.2	74.0													
0430	0	15	19	0	3	1	0	0	1	0	0	0	0	0
68.2	74.8													
0445	0	11	25	0	2	0	0	0	1	1	0	0	0	0
70.4	74.8													
0500	1	10	21	0	3	1	0	0	1	0	0	0	0	0
68.6	75.4													
0515	0	9	25	2	4	0	0	0	2	0	0	0	0	0
65.8	73.4													
0530	0	9	27	0	5	1	0	0	0	0	0	0	0	0
66.3	71.6													
0545	0	15	41	0	1	0	0	0	2	0	0	0	0	0
68.1	72.5													
0600	0	24	38	2	6	0	0	1	2	1	0	0	0	0
68.4	73.0													
0615	1	41	33	1	14	0	0	1	3	0	0	0	0	0
70.0	76.1													

	5	LA23	SB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt	
0630	2	22	33	0	2	1	0	0	0	0	0	0	0	0	0
71.4	76.9														
0645	0	17	22	1	6	0	2	0	0	0	0	0	0	0	0
69.9	76.8														
0700	0	20	21	2	8	3	0	2	0	2	0	2	0	0	0
68.1	75.7														
0715	0	17	16	0	7	0	0	1	2	1	0	0	0	0	0
69.9	78.4														
0730	0	16	24	0	8	1	0	0	1	3	0	0	0	0	0
68.8	74.5														
0745	0	16	31	0	7	1	0	0	0	2	0	0	0	0	0
67.9	74.7														
0800	0	20	20	1	2	1	0	0	1	0	0	0	0	0	0
68.0	74.9														
0815	0	15	19	1	2	2	1	0	2	0	0	0	0	0	0
66.5	72.6														
0830	0	9	18	0	1	2	1	1	2	0	0	0	0	0	0
65.6	70.2														
0845	0	16	17	0	4	2	0	0	4	0	0	0	0	0	0
67.8	73.9														
0900	0	7	17	0	8	1	1	0	1	0	0	0	0	0	0
66.0	74.6														
0915	0	7	21	0	3	1	2	0	3	0	0	0	0	0	0
67.1	71.5														
0930	0	9	25	0	6	0	0	0	5	0	0	0	0	0	0
66.1	71.4														
0945	0	14	22	0	7	3	2	1	1	0	0	0	0	0	0
67.5	73.6														
1000	0	13	21	1	2	0	0	0	0	1	0	0	0	0	0
70.8	85.0														
1015	0	14	28	2	7	1	0	0	2	1	0	0	0	0	0
67.9	72.2														
1030	0	15	21	0	9	1	0	0	5	0	0	0	0	0	0
67.2	73.3														
1045	0	7	20	0	4	0	0	0	2	0	0	0	0	0	0
69.1	78.7														
1100	0	13	17	1	5	0	0	1	0	0	0	0	0	0	0
67.3	72.7														
1115	0	15	14	1	7	2	0	0	1	0	0	0	0	0	0
67.2	72.8														
1130	0	12	19	2	1	0	0	0	1	0	0	0	0	0	0
68.2	73.5														
1145	0	10	12	0	2	0	1	0	1	0	0	0	0	0	0
71.4	76.5														
1200	0	13	26	1	1	0	0	0	2	1	0	0	0	0	0
68.5	76.3														
1215	0	9	16	0	4	0	0	0	2	0	0	0	0	0	0
69.4	75.7														
1230	0	16	11	1	7	2	0	0	3	0	0	0	0	0	0
66.7	73.4														
1245	0	16	21	0	1	0	0	0	2	0	0	0	0	0	0
67.0	74.9														
1300	0	9	22	1	3	0	0	1	4	0	0	0	0	0	0
67.0	74.0														
1315	0	14	24	0	3	0	0	0	0	0	0	0	0	0	0
67.0	72.3														
1330	0	17	17	0	3	0	1	0	2	0	0	0	0	0	0
68.2	73.6														
1345	0	13	22	0	4	2	0	1	1	0	0	0	0	0	0
66.8	74.6														
1400	0	16	20	1	6	3	0	0	1	0	0	0	0	0	0
67.9	74.5														
1415	0	22	18	1	3	1	0	0	1	0	0	0	0	0	0

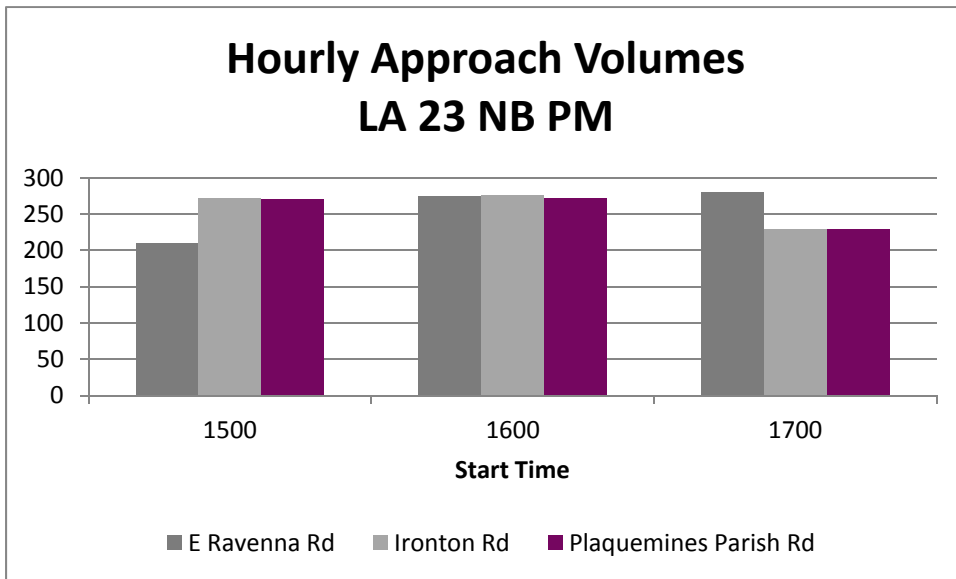
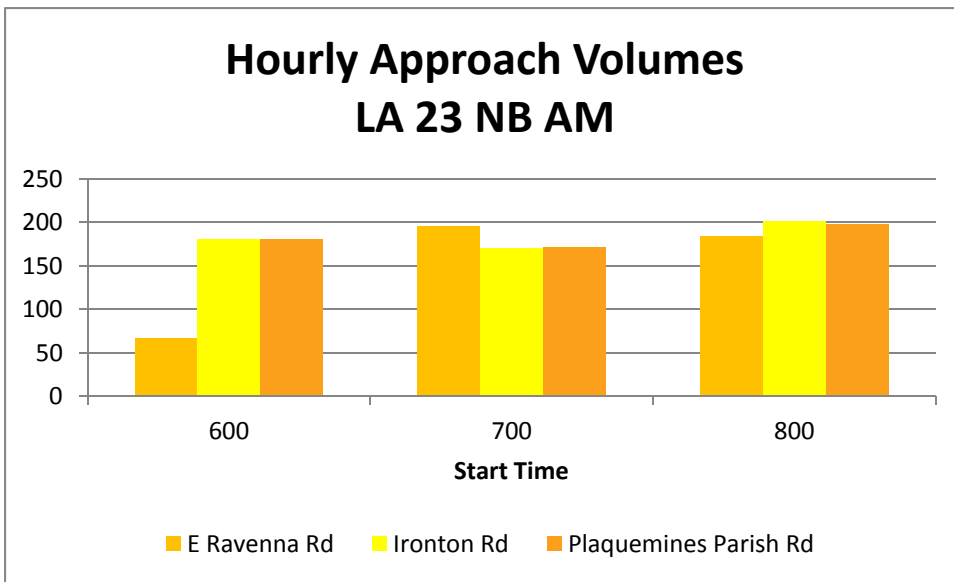
5 LA23 SB BTWN THE 2ND AND 3RD MEDIAN PAST ENTERGY LOUI SIANA LLC. txt

67.6	73.7												
1430	0	16	11	0	4	1	0	0	2	0	0	0	0
70.6	78.0												
1445	0	21	13	2	3	1	1	1	1	0	0	0	0
66.7	72.5												
1500	0	17	12	2	1	1	0	0	1	0	0	0	0
67.0	73.4												
1515	0	16	15	0	2	0	0	0	1	0	0	0	0
67.1	73.6												
1530	0	31	25	4	9	1	0	0	2	0	0	0	0
68.6	75.1												
1545	0	27	23	1	5	0	0	0	0	0	0	0	0
67.0	72.7												
1600	0	20	20	2	6	0	0	1	1	0	0	0	0
67.7	74.7												
1615	0	24	28	0	6	0	0	0	2	0	0	0	0
69.1	75.8												
1630	0	27	15	2	3	0	0	0	1	0	0	0	0
66.7	72.0												
1645	0	26	20	0	6	0	0	0	1	0	0	0	0
69.0	76.7												
1700	0	28	35	0	3	0	0	0	1	0	0	0	0
69.7	75.4												
1715	0	18	18	0	2	0	0	0	0	1	0	0	0
68.6	74.8												
1730	0	20	16	0	4	0	0	0	0	0	0	0	0
69.3	74.5												
1745	0	21	16	0	2	0	0	0	2	0	0	0	0
69.1	76.8												
1800	0	22	16	0	2	0	0	0	0	0	0	0	0
68.1	73.0												
1815	0	24	13	0	2	0	0	0	0	0	0	0	0
69.2	76.8												
1830	0	12	21	0	3	0	0	0	1	0	0	0	0
70.0	74.7												
1845	0	17	18	0	3	0	0	0	0	0	0	0	0
70.5	78.6												
1900	0	18	8	0	5	0	0	0	1	0	0	0	0
67.3	72.1												
1915	0	15	11	0	2	0	0	0	0	0	0	0	0
67.4	72.9												
1930	0	25	6	0	1	0	0	0	0	0	0	0	0
66.2	72.9												
1945	0	14	8	0	3	0	0	0	1	0	0	0	0
69.1	76.1												
2000	0	14	11	0	7	0	0	0	0	0	0	0	0
69.0	73.8												
2015	0	6	10	0	0	0	0	0	2	0	0	0	0
67.3	72.6												
2030	0	8	5	0	3	0	0	0	0	0	0	0	0
67.5	73.1												
2045	0	10	9	0	2	0	0	0	1	0	0	0	0
65.9	74.5												
2100	0	12	4	0	1	0	0	0	1	0	0	0	0
64.3	72.3												
2115	0	3	3	0	2	0	0	0	1	0	0	0	0
69.4	-												
2130	0	8	6	0	1	0	0	0	2	0	0	0	0
68.7	73.7												
2145	1	12	9	0	4	0	0	1	0	0	0	0	0
68.7	75.2												
2200	0	1	5	0	1	0	0	0	1	0	0	0	0
66.3	-												

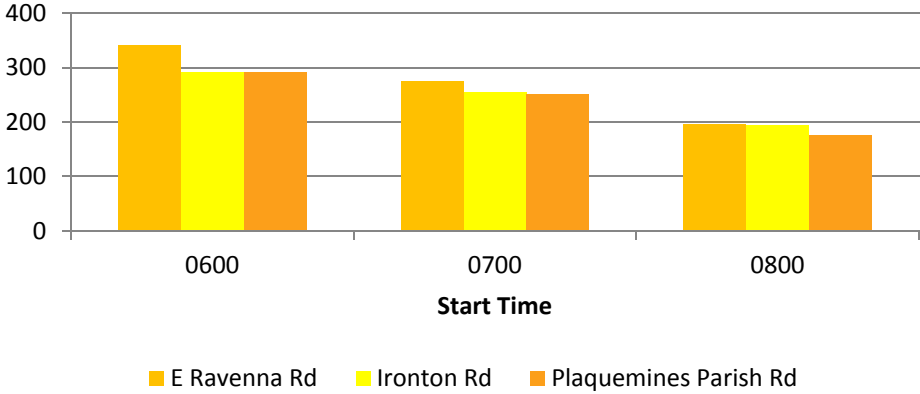
	5	LA23	SB	BTWN	THE	2ND	AND	3RD	MEDIAN	PAST	ENERGY	LOUISIANA	LLC.	txt
2215	0		8	7	0	1	2	0	0	1	0	0	0	0
66.7	72.6													
2230	0		13	4	0	2	0	0	0	1	0	0	0	0
67.9	71.7													
2245	0		7	4	0	0	0	0	0	0	0	0	0	0
69.1	76.5													
2300	0		9	6	0	3	0	0	0	0	0	0	0	0
67.1	72.2													
2315	0		5	2	0	0	0	0	0	0	0	0	0	0
68.5	-													
2330	0		1	5	0	1	0	0	0	1	0	0	0	0
66.7	-													
2345	0		5	0	0	0	0	0	0	0	0	0	0	0
69.6	-													
00-00	5	1224	1409	35	307	40	12	13	94	15	0	0	0	0
68.1	73.9													

	NB					
	600	700	800	1500	1600	1700
E Ravenna Rd	67	196	184	210	275	280
Ironton Rd	181	170	201	272	276	229
Plaquemines Parish Rd	181	171	198	271	272	229

				SB		
	0600	0700	0800	1500	1600	1700
E Ravenna Rd	341	275	195	223	205	181
Ironton Rd	291	255	194	221	210	179
Plaquemines Parish Rd	291	251	175	209	195	174



### Hourly Approach Volumes LA 23 SB AM



### Hourly Approach Volumes LA 23 SB PM



AECOM has looked at both directions, for the 7 Day 24-hour counts, and feel that the peak hour should be between 6:45 am and 7:45 am and PM peak between 4:00 and 5:00 PM. It seems that the SB peaking characteristics are slightly atypical, but we feel that picking the above peak hours yields the best representation of traffic patterns.

# Appendix B

## FINAL DATA COLLECTION

Peak Period Counts

Growth Rate Determination

Geometric Field Review



Prepared for:

I:\Projects\CPRA\Mid-Barataria\60571915-Taks Order #3\400-Technical\430 Transportation\Traffic Report\Mid-Barataria Traffic Analysis Report. 100818 v2-GDT.docx

**AECOM** Imagine it.  
Delivered.

B

This correspondence and the information contained herein is prepared solely for the purpose of identifying, evaluating and planning safety improvements on public roads which may be implemented utilizing federal aid highway funds; and is therefore exempt from discovery or admission into evidence pursuant to 23 U.S.C. 40



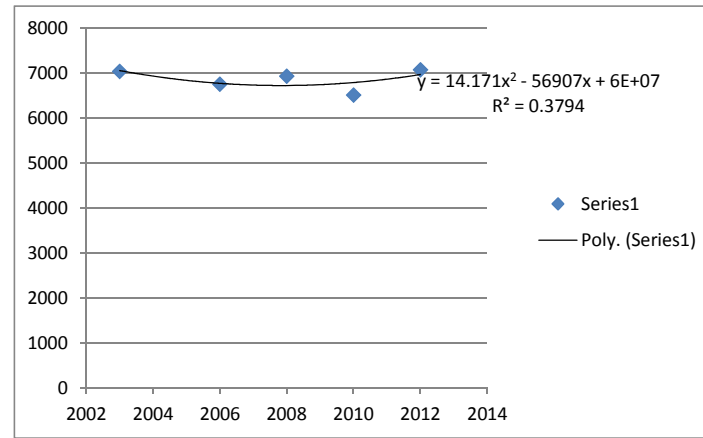
**24-HR Counts**

1	2	3	4	6	
E Ravenna Rd., LA 23 SB Approach	LA 23 NB Approach to E. Ravenna Rd.	SB Approach to E Ravenna Rd.	W. Ravenna Rd. EB Approach to LA 23	LA 23 SB Approach to Ironton Rd.	
15	0	15	5	15	6
30	0	30	6	30	5
45	0	45	2	45	11
100	0	100	2	100	6
115	1	115	1	115	3
130	0	130	5	130	7
145	0	145	2	145	11
200	0	200	5	200	10
215	0	215	2	215	8
230	0	230	2	230	0
245	0	245	1	245	8
300	2	300	1	300	10
315	3	315	2	315	18
330	0	330	3	330	12
345	1	345	0	345	17
400	0	400	7	400	38
415	0	415	1	415	35
430	0	430	5	430	55
445	1	445	5	445	71
500	2	500	6	500	55
515	1	515	10	515	60
530	0	530	9	530	32
545	3	545	14	545	59
600	2	600	12	600	53
615	6	615	13	615	73
630	18	630	11	630	97
645	12	645	19	645	64
700	29	700	24	700	57
715	7	715	34	715	73
730	9	730	52	730	62
745	7	745	59	745	55
800	7	800	51	800	65
815	2	815	54	815	51
830	3	830	51	830	43
845	2	845	43	845	40
900	0	900	36	900	60
915	3	915	37	915	56
930	1	930	57	930	57
945	4	945	59	945	55
1000	1	1000	44	1000	39
1015	3	1015	67	1015	44
1030	1	1030	82	1030	46
1045	3	1045	51	1045	55
1100	1	1100	43	1100	37
1115	4	1115	50	1115	41
1130	1	1130	63	1130	31
1145	2	1145	38	1145	25
1200	5	1200	63	1200	43
1215	3	1215	69	1215	55
1230	8	1230	40	1230	44
1245	4	1245	46	1245	35
1300	6	1300	38	1300	36
1315	1	1315	56	1315	44
1330	3	1330	53	1330	37
1345	3	1345	46	1345	48
1400	5	1400	54	1400	49
1415	1	1415	53	1415	45
1430	1	1430	55	1430	33
1445	1	1445	64	1445	34
1500	3	1500	65	1500	55
1515	3	1515	60	1515	51
1530	2	1530	56	1530	62
1545	2	1545	53	1545	49
1600	2	1600	41	1600	59
1615	0	1615	58	1615	47
1630	0	1630	57	1630	56
1645	0	1645	101	1645	40
1700	1	1700	59	1700	67
1715	0	1715	52	1715	52
1730	0	1730	80	1730	50
1745	0	1745	71	1745	38
1800	2	1800	77	1800	39
1815	4	1815	67	1815	40
1830	7	1830	53	1830	44
1845	11	1845	54	1845	38
1900	6	1900	56	1900	29
1915	0	1915	48	1915	31
1930	3	1930	59	1930	38
1945	2	1945	38	1945	24
2000	0	2000	37	2000	15
2015	0	2015	30	2015	18
2030	0	2030	33	2030	31
2045	0	2045	35	2045	15
2100	0	2100	27	2100	22
2115	0	2115	19	2115	24
2130	0	2130	22	2130	19
2145	2	2145	19	2145	18
2200	0	2200	17	2200	10
2215	0	2215	13	2215	14
2230	0	2230	11	2230	11
2245	0	2245	10	2245	16
2300	0	2300	11	2300	7
2315	0	2315	11	2315	10
2330	0	2330	10	2330	12
2345	0	2345	5	2345	7
2400	0	2400	9	2400	9

24-HR Counts

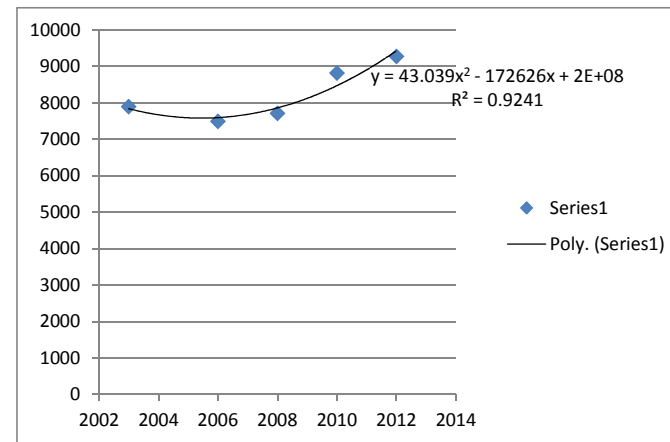
7	8	9	10	11	
LA 23 NB Approach to Ironton Rd.	Ironton Rd. SB Approach to LA 23	LA 23 SB Approach to Plaquemines Parish Rd.	LA 23 NB Approach to Plaquemines Parish Rd.	Plaquemines Parish Access Rd. NB Approach to LA 23	
15	1	15	6	15	0
30	6	30	1	30	0
45	1	45	0	45	0
100	6	100	0	100	0
115	1	115	0	115	1
130	2	130	0	130	2
145	2	145	0	145	2
200	0	200	0	200	0
215	2	215	0	215	2
230	3	230	0	230	3
245	1	245	0	245	1
300	6	300	0	300	5
315	3	315	0	315	3
330	4	330	0	330	4
345	4	345	0	345	4
400	6	400	0	400	7
415	11	415	1	415	11
430	11	430	0	430	11
445	10	445	1	445	9
500	11	500	1	500	11
515	12	515	0	515	13
530	11	530	0	530	10
545	21	545	1	545	22
600	25	600	3	600	26
615	30	615	2	615	28
630	47	630	6	630	48
645	56	645	6	645	56
700	48	700	5	700	49
715	47	715	3	715	47
730	47	730	6	730	46
745	40	745	4	745	43
800	36	800	2	800	35
815	42	815	0	815	41
830	55	830	3	830	525
845	57	845	3	845	56
900	47	900	1	900	49
915	66	915	0	915	62
930	80	930	2	930	77
945	53	945	2	945	53
1000	43	1000	1	1000	44
1015	56	1015	1	1015	50
1030	57	1030	4	1030	54
1045	43	1045	4	1045	41
1100	55	1100	7	1100	57
1115	63	1115	3	1115	60
1130	35	1130	2	1130	33
1145	51	1145	3	1145	51
1200	36	1200	3	1200	34
1215	53	1215	2	1215	52
1230	60	1230	2	1230	60
1245	42	1245	2	1245	39
1300	53	1300	2	1300	53
1315	47	1315	4	1315	46
1330	59	1330	1	1330	59
1345	64	1345	1	1345	62
1400	59	1400	5	1400	60
1415	67	1415	3	1415	66
1430	54	1430	2	1430	54
1445	47	1445	2	1445	46
1500	50	1500	2	1500	50
1515	53	1515	3	1515	55
1530	58	1530	1	1530	58
1545	101	1545	3	1545	100
1600	60	1600	1	1600	58
1615	54	1615	2	1615	52
1630	74	1630	3	1630	72
1645	75	1645	0	1645	73
1700	73	1700	0	1700	75
1715	67	1715	3	1715	64
1730	58	1730	2	1730	57
1745	50	1745	0	1745	52
1800	54	1800	0	1800	56
1815	51	1815	1	1815	53
1830	58	1830	3	1830	56
1845	39	1845	2	1845	38
1900	32	1900	1	1900	29
1915	30	1915	2	1915	29
1930	37	1930	2	1930	36
1945	30	1945	2	1945	29
2000	28	2000	4	2000	27
2015	20	2015	2	2015	21
2030	21	2030	1	2030	20
2045	19	2045	1	2045	18
2100	17	2100	2	2100	16
2115	12	2115	4	2115	11
2130	11	2130	0	2130	11
2145	12	2145	0	2145	12
2200	8	2200	1	2200	8
2215	13	2215	0	2215	12
2230	9	2230	0	2230	9
2245	4	2245	1	2245	4
2300	11	2300	1	2300	10
2315	6	2315	0	2315	6
2330	4	2330	0	2330	4
2345	6	2345	0	2345	6
2400	4	2400	0	2400	4

Milepoint 38.71 Station 221070			
Year	AADT	Average Annual Growth Rate	Compound Annual Growth Rate
2003	7037	-4%	
2006	6755	3%	
2008	6935	-6%	
2010	6512	9%	
2012	7074		
			0%
Growth Multiplier		Growth Percentage	Annual Growth
2012	6813.617359		
2018	6748.706876		
2020	6727.207757	100%	-0.59% -0.07%
2045	6464.177546	96%	-2.39% -0.07%



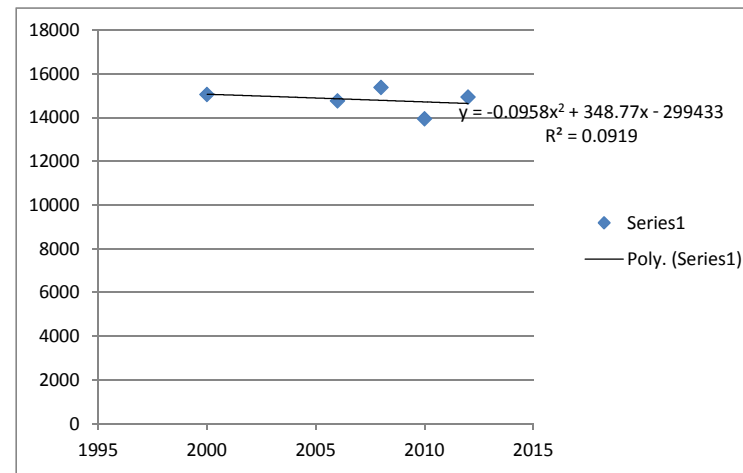
Place	Pop 2000	Pop 2010	Growth Rate
Belle Case	12130	15590	0.285243
Port Sulfur	3933	2353	-0.40173
Pointe La Hache	622	336	-0.45981
Buras	6383	2381	-0.62698
Empire	525	75	-0.85714

Milepoint 49.47 Station 221280			
Year	AADT	Average Annual Growth Rate	Compound Annual Growth Rate
2003	7894	-5%	
2006	7487	3%	
2008	7707	14%	
2010	8814	5%	
2012	9271		
			2%
Growth Multiplier		Growth Percentage	Annual Growth
2012	8950.491587		
2018	10131.83655		
2020	10559.30344	104%	10.99% 1.37%
2045	17700.0284	175%	59.78% 1.81%



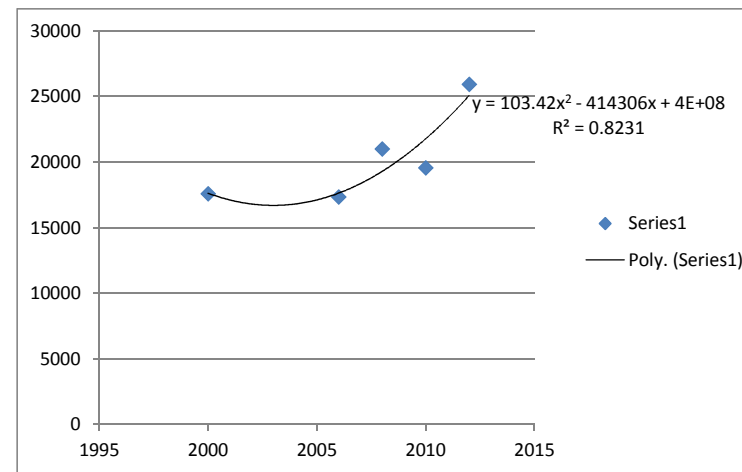
Milepoint 59.92 Station 221190			
Year	AADT	Average Annual Growth Rate	Compound Annual Growth Rate
2000	15050	-2%	
2006	14758	4%	
2008	15386	-9%	
2010	13946	7%	
2012	14940		
			0%

	Growth Multiplier	Growth Percentage	Annual Growth
2012	14635.26672		
2018	14422.11471		
2020	14351.75615	100%	-1.94%
2045	13500.7008	94%	-7.75%



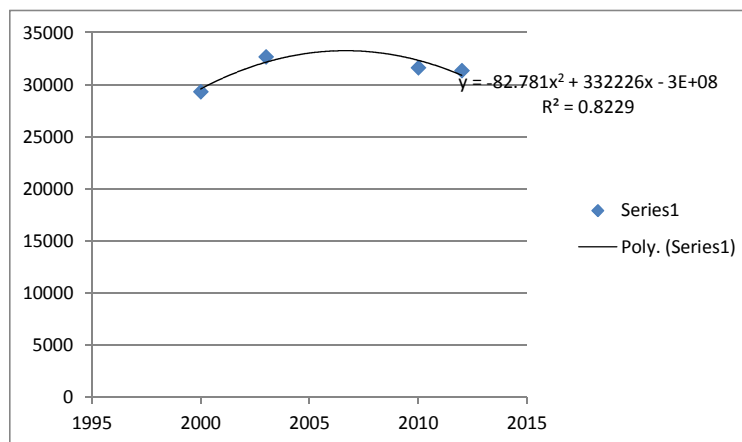
Milepoint 62.86 Station 221200			
Year	AADT	Average Annual Growth Rate	Compound Annual Growth Rate
2000	17574	-1%	
2006	17350	21%	
2008	20995	-7%	
2010	19551	33%	
2012	25936		
			4%

	Growth Multiplier	Growth Percentage	Annual Growth
2012	22877.65656		
2018	26967.23799		
2020	28486.87294	1.056351153	24.52%
2045	56526.05295	2.096100942	147.08%



Milepoint 65.686 Station 221210			
Year	AADT	Average Annual Growth Rate	Compound Annual Growth Rate
2000	29315	11%	
2003	32670	-3%	
2010	31628	-1%	
2012	31348		
			1%

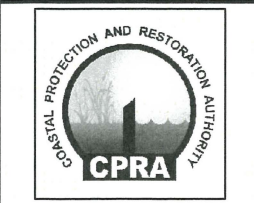
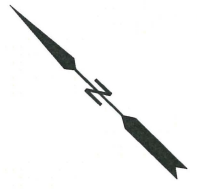
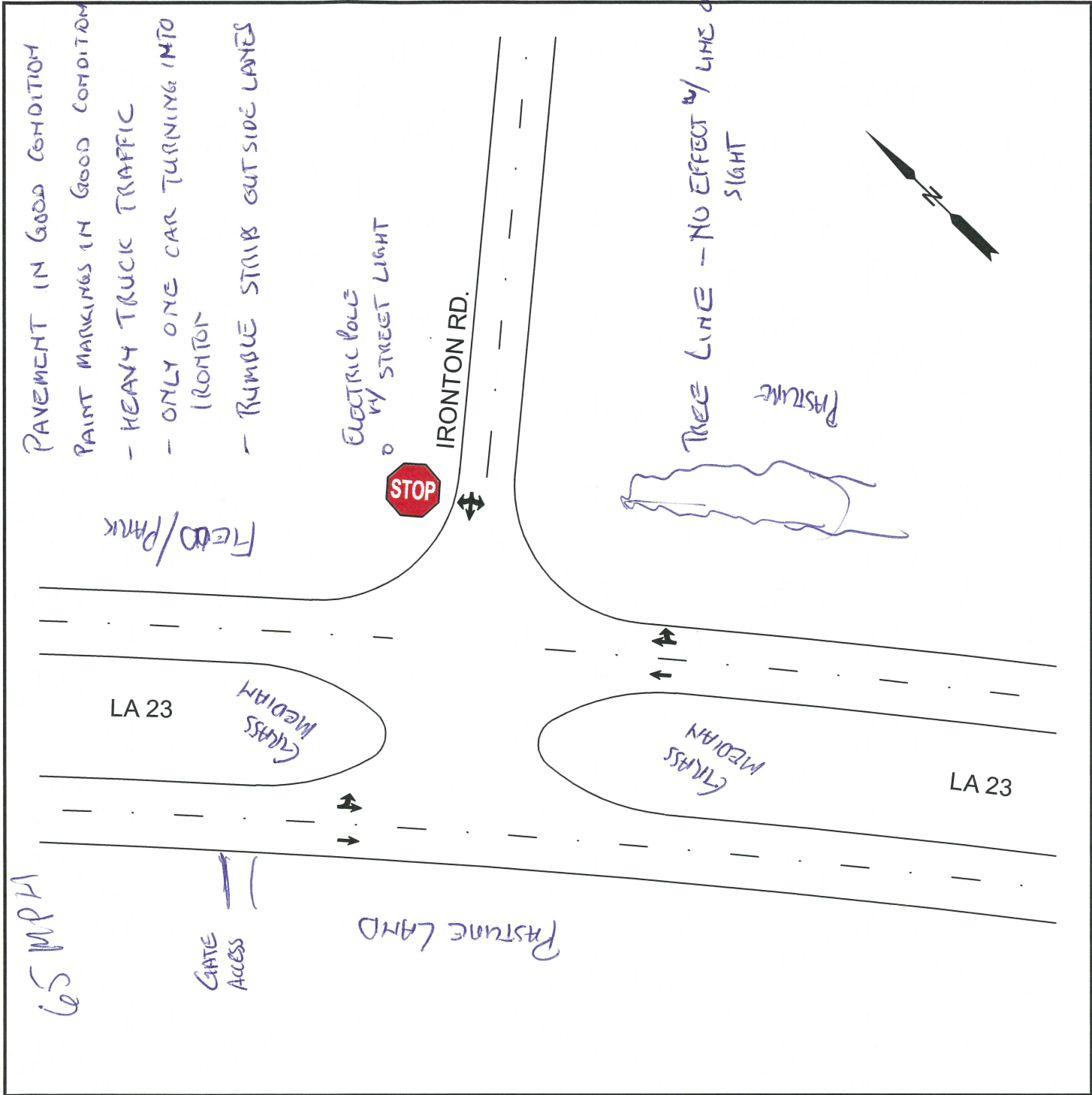
	Growth Multiplier	Growth Percentage	Annual Growth
2012	31812.10002		
2018	32446.03107		
2020	34676.10971	1.068731939	9.00%
2045	35458.72882	1.092852582	11.46%
Total Growth	11%		
Annual Growth	0.35%		
Growth Multiplier	1.092852582		



	Annual Growth	Growth multiplier
2020	1.85%	1.06
2045	2.21%	1.84

FIELD VISIT 6/1/2018  
11:00 AM

I:\Projects\CPRA\60558019\_MBSD\900-CAD-GIS\910-CAD-CAD\935-Sketches and Working Drawings\Transportation\SHEETS\IRONTON RD.dwg, May 16, 2018 - 10:06:43AM, serigneac



7389 FLORIDA BOULEVARD  
SUITE 300  
BATON ROUGE, LA 70806  
225-922-5700

MID-BARATARIA SEDIMENT DIVERSION  
BOD

FIGURE 2-2  
EXISTING INTERSECTION OF  
LA 23 AND IRONTON ROAD

CPRA PROJECT NUMBER: BA-153

AECOM PROJECT NUMBER: 60558019

DRN BY: C.G.SERIGNEA

DSN BY:

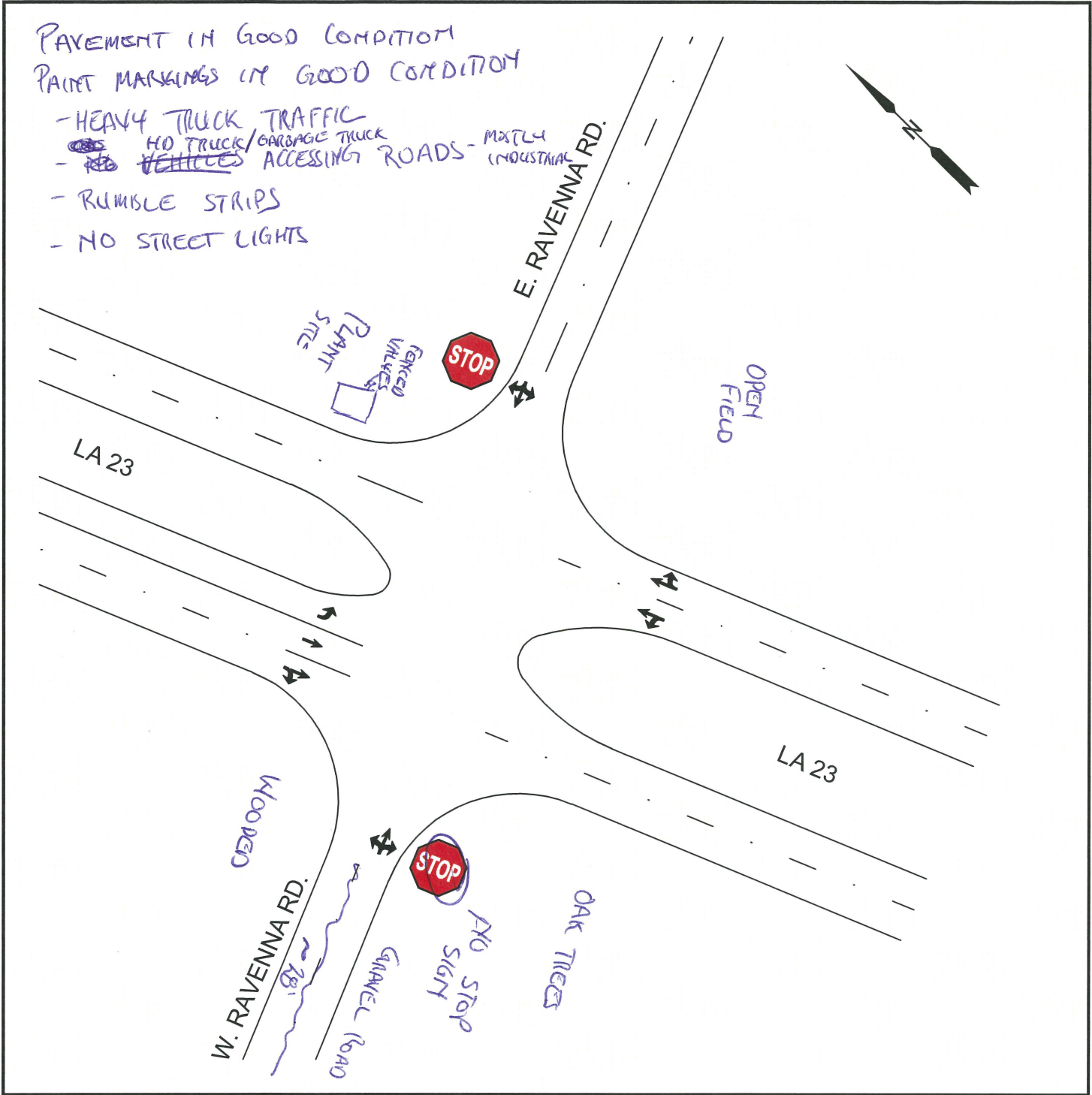
APRD BY:

DATE: JANUARY, 2018



SHT NO: 2

FIELD VISIT 6/11/2018  
7:13 AM

- PAVEMENT IN GOOD CONDITION  
PAINT MARKINGS IN GOOD CONDITION
- HEAVY TRUCK TRAFFIC
  - NO TRUCK/GARBAGE TRUCK
  - ~~VEHICLES~~ ACCESSING ROADS - MOSTLY INDUSTRIAL
  - RUMBLE STRIPS
  - NO STREET LIGHTS



I:\Projects\CPRA\60558019\_MBSD\CAD-GIS\910-CAD\935-Sketches and Working Drawings\Transportation\SHEETS\RAVENNA RD.dwg, May 16, 2018 - 10:37:54AM, serigneac

  7389 FLORIDA BOULEVARD SUITE 300 BATON ROUGE, LA 70806 225-922-5700	MID-BARATARIA SEDIMENT DIVERSION BOD		DRN BY: C.G. SERIGNEA
	FIGURE 2-1 EXISTING INTERSECTION OF LA 23 AND RAVENNA ROAD		DSN BY:
	CPRA PROJECT NUMBER: BA-153		APRD BY:
	AECOM PROJECT NUMBER: 60558019		DATE: JANUARY, 2018
			SHT NO: 1

# Appendix C

## EXISTING SAFETY ANALYSIS

Collision Diagram

Crash Data



Prepared for:

I:\Projects\CPRA\Mid-Barataria\60571915-Taks Order #3\400-Technical\430 Transportation\Traffic Report\Mid-Barataria Traffic Analysis Report. 100818 v2-GDT.docx



Imagine it.  
Delivered.

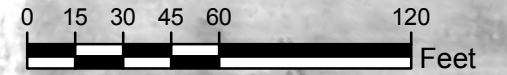
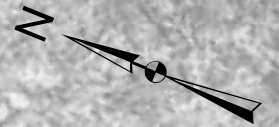
C



PHILLIPS 66 ALLIANCE REFINERY

E RAVENNA RD

LA 23 (BELLE CHASSE HWY)



- 2012
- 2014
- 2015
- 2016

**LEGEND:**

- |   |  |
|---|--|
| <span style="color: blue;">○</span> NON-COLLISION | <span style="color: blue;">●</span> RIGHT TURN (H)   |
| <span style="color: blue;">←</span> REAR END      | <span style="color: blue;">●</span> RIGHT TURN (I)   |
| <span style="color: blue;">→</span> HEAD-ON       | <span style="color: blue;">●</span> SIDESWIPE (SD)   |
| <span style="color: blue;">↘</span> RIGHT ANGLE   | <span style="color: blue;">●</span> SIDESWIPE (OD)   |
| <span style="color: blue;">↙</span> LEFT TURN (E) | <span style="color: blue;">●</span> OTHER  |
| <span style="color: blue;">↘</span> LEFT TURN (F) | <span style="color: blue;">●</span> ASSIGNED CRASH NUMBER<br>(CRASH DATA LIST LOCATED<br>AFTER CRASH MAPS) |
| <span style="color: blue;">↙</span> LEFT TURN (G) |  |

STATE PROJECT NO. BA-153

STATE OF LOUISIANA  
COASTAL PROTECTION AND RESTORATION AUTHORITY  
MID-BARATARIA  
SEDIMENT DIVERSION PROJECT

2012-2016 COLLISION DIAGRAM

**AECOM**  
7389 FLORIDA BOULEVARD  
SUITE 300  
BATON ROUGE, LA 70806  
225-922-5700



SHEET  
**1**  
OF 5





**LEGEND:**

NON-COLLISION	RIGHT TURN (H)
REAR END	RIGHT TURN (I)
HEAD-ON	SIDESWIPE (SD)
RIGHT ANGLE	SIDESWIPE (OD)
LEFT TURN (E)	OTHER
LEFT TURN (F)	ASSIGNED CRASH NUMBER (CRASH DATA LIST LOCATED AFTER CRASH MAPS)
LEFT TURN (G)	

STATE PROJECT NO. BA-153

STATE OF LOUISIANA  
COASTAL PROTECTION AND RESTORATION AUTHORITY

**MID-BARATARIA  
SEDIMENT DIVERSION PROJECT**

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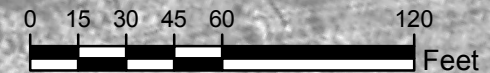
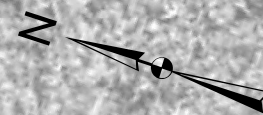
2012-2016 COLLISION DIAGRAM

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<p>7389 FLORIDA BOULEVARD SUITE 300 BATON ROUGE, LA 70806 225-922-5700</p>	
--	--

SHEET  
**2**  
OF 5





LA 23 (BELLE CHASSE HWY)

**LEGEND:**

NON-COLLISION	RIGHT TURN (H)
REAR END	RIGHT TURN (I)
HEAD-ON	SIDESWIPE (SD)
RIGHT ANGLE	SIDESWIPE (OD)
LEFT TURN (E)	OTHER
LEFT TURN (F)	ASSIGNED CRASH NUMBER (CRASH DATA LIST LOCATED AFTER CRASH MAPS)
LEFT TURN (G)	

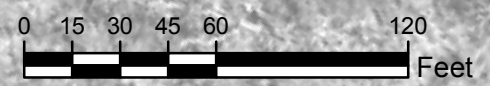
STATE PROJECT NO. BA-153

STATE OF LOUISIANA  
 COASTAL PROTECTION AND RESTORATION AUTHORITY  
 MID-BARATARIA  
 SEDIMENT DIVERSION PROJECT

2012-2016 COLLISION DIAGRAM

	7389 FLORIDA BOULEVARD SUITE 300 BATON ROUGE, LA 70806 225-922-5700		SHEET <b>3</b> OF 5
--	--	--	---------------------------





LA 23 (BELLE CHASSE HWY)

9

10

15

**LEGEND:**

	NON-COLLISION		RIGHT TURN (H)
	REAR END		RIGHT TURN (I)
	HEAD-ON		SIDESWIPE (SD)
	RIGHT ANGLE		SIDESWIPE (OD)
	LEFT TURN (E)		OTHER
	LEFT TURN (F)		ASSIGNED CRASH NUMBER (CRASH DATA LIST LOCATED AFTER CRASH MAPS)
	LEFT TURN (G)		

STATE PROJECT NO. BA-153

STATE OF LOUISIANA  
COASTAL PROTECTION AND RESTORATION AUTHORITY  
MID-BARATARIA  
SEDIMENT DIVERSION PROJECT

2012-2016 COLLISION DIAGRAM



7389 FLORIDA BOULEVARD  
SUITE 300  
BATON ROUGE, LA 70806  
225-922-5700



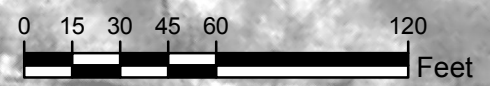
SHEET  
**4**  
OF 5





IRONTON RD

LA 23 (BELLE CHASSE HWY)



**LEGEND:**

NON-COLLISION	RIGHT TURN (H)
REAR END	RIGHT TURN (I)
HEAD-ON	SIDESWIPE (SD)
RIGHT ANGLE	SIDESWIPE (OD)
LEFT TURN (E)	OTHER
LEFT TURN (F)	ASSIGNED CRASH NUMBER (CRASH DATA LIST LOCATED AFTER CRASH MAPS)
LEFT TURN (G)	

STATE PROJECT NO. BA-153

STATE OF LOUISIANA  
COASTAL PROTECTION AND RESTORATION AUTHORITY

**MID-BARATARIA  
SEDIMENT DIVERSION PROJECT**

---

2012-2016 COLLISION DIAGRAM

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<p>7389 FLORIDA BOULEVARD SUITE 300 BATON ROUGE, LA 70806 225-922-5700</p>		<p>SHEET <b>5</b> OF 5</p>
--	--	------------------------------------



# 1. Safety Comparison

<b>Project Name:</b>	H. 98 65 32
<b>Route:</b>	LA 23
<b>AADT:</b>	9300
<b>Period:</b>	2014 to 2016

<b>Highway Class:</b>	Rural 4-Divided
<b>Control-Section:</b>	062-02
<b>Log-mile from:</b>	16.995
<b>Log-mile to:</b>	18.85

Duration:  years

Segment Length:  miles

Quality Assurance Index:

## All Severity Crashes - Safety Performance Function (SPF)

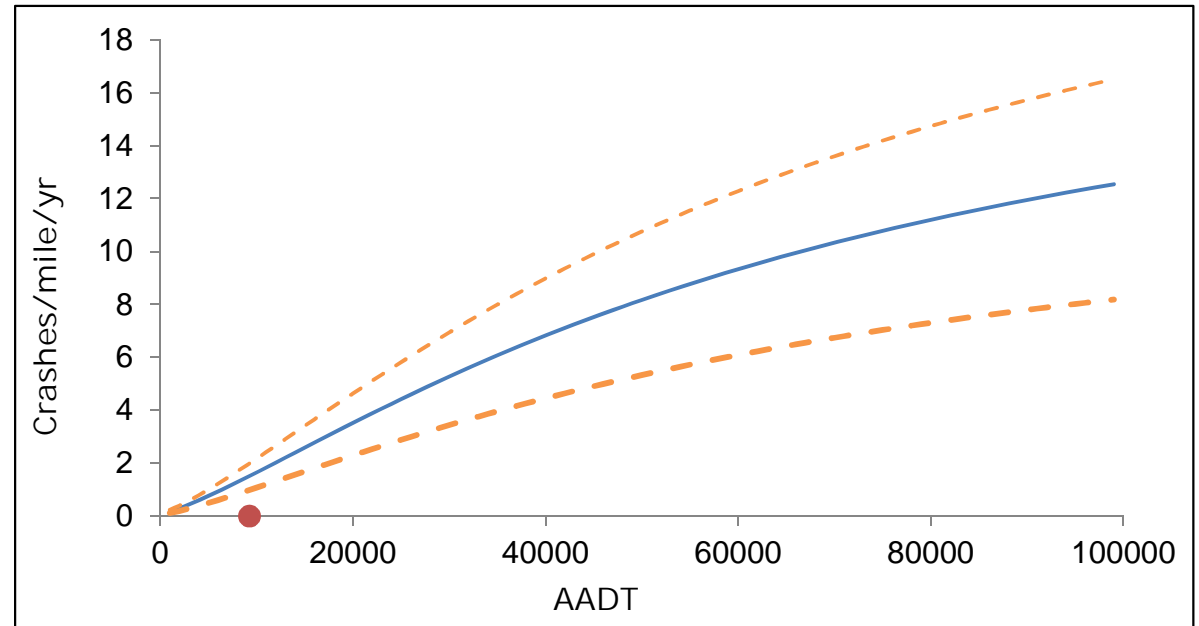
All Severity Crashes - Rural 4-Divided SPF					
$\hat{E}\{\mu\} = y * [\beta_4 + (\beta_1 * AADT^2) / (AADT^2 + \beta_3^2)]$					
y	$\beta_1$	$\beta_2$	$\beta_3$	$\beta_4$	b
0.2	1.0E+02	1.292	68189	0.469	6.066

- Safety Level
- LOSS 4 : High potential\*
  - LOSS 3 : Moderate potential\*
  - LOSS 2 : Low potential\*
  - LOSS 1 : Negligible potential\*
- \*for safety improvements

Observed:  Crashes/yr  
 Predicted (SPF):  Crashes/yr  
 Overdispersion:   
 Weighted Adjustment:

Observed:  Crashes/mile/yr  
 Expected (SPF + EB):  Crashes/mile/yr  
 Safety Service Level:

80<sup>th</sup> Percentile:  Crashes/mile/yr  
 Predicted (SPF):  Crashes/mile/yr  
 20<sup>th</sup> Percentile:  Crashes/mile/yr



# 1. Safety Comparison

Project Name:	H. 98 65 32
Route:	LA 23
AADT:	9300
Period:	2014 to 2016

Highway Class:	Rural 4-Divided
Control-Section:	062-02
Log-mile from:	16.995
Log-mile to:	18.85

Duration:  years

Segment Length:  miles

## Injury Crashes - Safety Performance Function (SPF)

Injury Crashes - Rural 4-Divided SPF					
$\hat{E}\{\mu\} = y * [\beta_4 + (\beta_1 * AADT^2) / (AADT^2 + \beta_3^2)]$					
y	$\beta_1$	$\beta_2$	$\beta_3$	$\beta_4$	b
0.2	1.7E+01	1.642	2.6E+04	0.47007	5.75

Safety Level

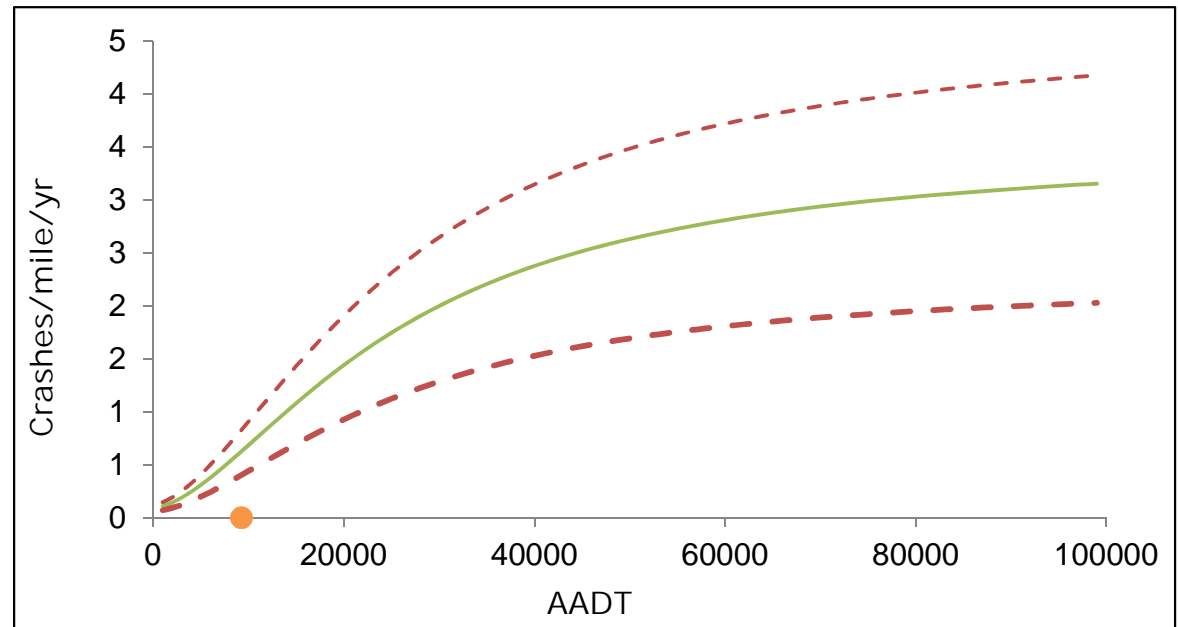
LOSS 4	: High potential*
LOSS 3	: Moderate potential*
LOSS 2	: Low potential*
LOSS 1	: Negligible potential*

\*for safety improvements

Observed:  Crashes/yr  
 Predicted (SPF):  Crashes/yr  
 Overdispersion:   
 Weighted Adjustment:

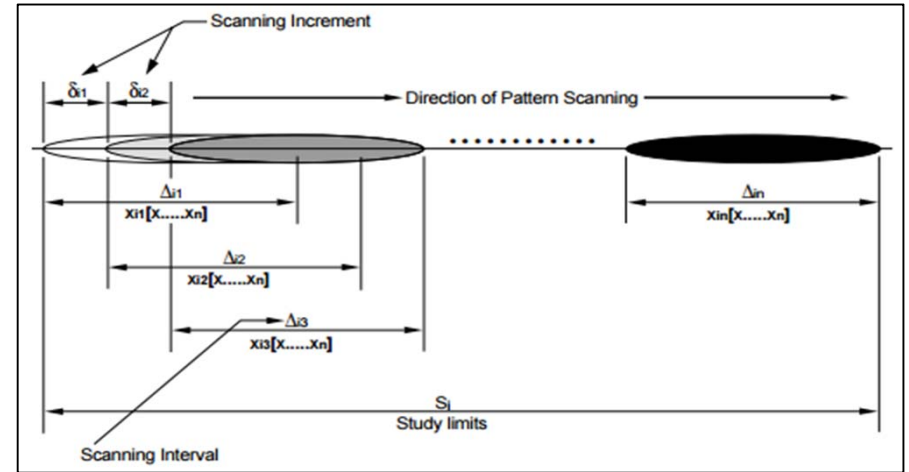
Observed:  Crashes/mile/yr  
 Expected (SPF + EB):  Crashes/mile/yr  
 Safety Service Level:

80<sup>th</sup> Percentile:  Crashes/mile/yr  
 Predicted (SPF):  Crashes/mile/yr  
 20<sup>th</sup> Percentile:  Crashes/mile/yr



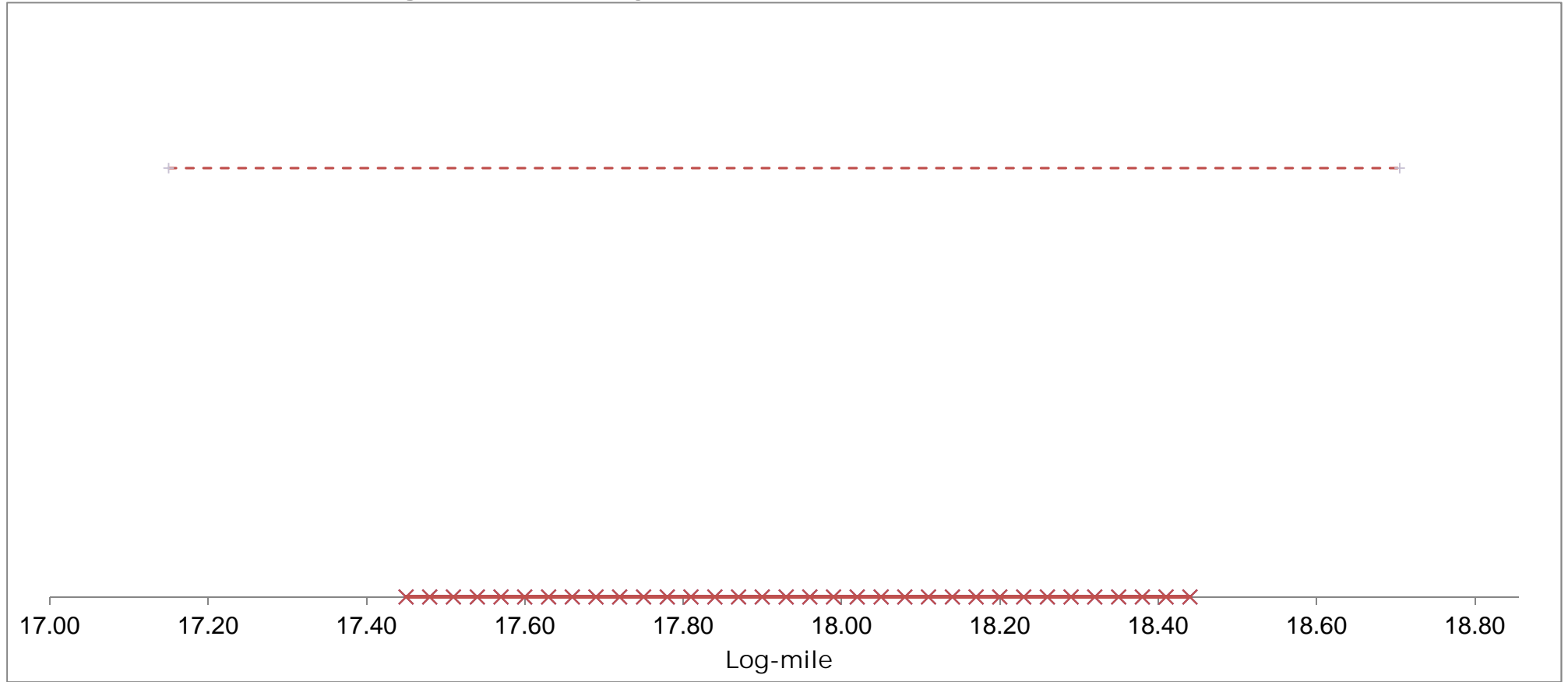
## 2. Pattern Recognition Analysis

<b>Control-Section:</b>	062-02	
<b>Log-mile from:</b>	17.00	
<b>Log-mile to:</b>	18.85	
<b>AADT:</b>	9300	
<b>Highway Class:</b>	Rural 4-Divided	
<b>Period:</b>	2014 to 2016	
<b>Δ:</b>	0.90	miles
<b>δ:</b>	0.030	miles
<b>Percent Limit:</b>	90%	
<b>Possible Δs:</b>	35	
<b>AADT Group:</b>	Low	



Code	Category	Obs %	State %	Δs > Cutoff	Graph	Code	Category	Obs %	State %	Δs > Cutoff	Graph
A	Pedestrian	0.00%	0.95%	0 0%	<input type="checkbox"/>	A	Non Coll	54.55%	18.88%	21 61%	<input type="checkbox"/>
B	Pedalcycle	0.00%	0.28%	0 0%	<input type="checkbox"/>	B	Rear End	9.09%	38.49%	0 0%	<input type="checkbox"/>
C	ATV	0.00%	0.04%	0 0%	<input type="checkbox"/>	C	Head On	0.00%	0.76%	6 17%	<input type="checkbox"/>
D	Motorcycle	9.09%	1.31%	51 148%	<input checked="" type="checkbox"/>	D	Rt Angle	0.00%	7.95%	76 220%	<input checked="" type="checkbox"/>
E	Parked	0.00%	0.01%	0 0%	<input type="checkbox"/>	E	Left Turn-e	0.00%	2.33%	0 0%	<input type="checkbox"/>
F	Not Fixed	0.00%	1.14%	0 0%	<input type="checkbox"/>	F	Left Turn-f	0.00%	2.15%	3 9%	<input type="checkbox"/>
G	Vertical Fixed	0.00%	4.11%	17 49%	<input type="checkbox"/>	G	Left Turn-g	0.00%	2.05%	2 6%	<input type="checkbox"/>
H	Structures	36.36%	1.24%	0 0%	<input type="checkbox"/>	H	Right Turn-h	0.00%	1.63%	14 41%	<input type="checkbox"/>
J	Train	0.00%	0.01%	0 0%	<input type="checkbox"/>	I	Right Turn-i	0.00%	0.15%	0 0%	<input type="checkbox"/>
K	Responder	0.00%	0.19%	0 0%	<input type="checkbox"/>	J	S Swipe(sd)	9.09%	16.60%	0 0%	<input type="checkbox"/>
L	Farm	0.00%	0.22%	0 0%	<input type="checkbox"/>	K	S Swipe(od)	0.00%	0.80%	3 9%	<input type="checkbox"/>
M	Bus	0.00%	0.58%	0 0%	<input type="checkbox"/>	Z	Other	27.27%	8.21%	0 0%	<input type="checkbox"/>
N	Animal	18.18%	4.65%	0 0%	<input type="checkbox"/>	1	Road Depart.	81.82%	23.37%	16 46%	<input type="checkbox"/>
P	Other Fixed	18.18%	4.29%	49 142%	<input type="checkbox"/>	B	Dark w/o Lights	63.64%	11.46%	79 229%	<input type="checkbox"/>
Q	Transport	18.18%	7.57%	0 0%	<input type="checkbox"/>	1	Alcohol	9.09%	4.53%	38 110%	<input type="checkbox"/>
R	3+ Vehicles	0.00%	5.04%	0 0%	<input type="checkbox"/>	B	Wet Surface	0.00%	15.66%	71 206%	<input type="checkbox"/>
T	Miscellaneous	0.00%	2.92%	22 64%	<input type="checkbox"/>						

## 2. Pattern Recognition Analysis



South North

**Comments:**

Motorcycle related crashes are represented by purple "X"s  
Rt Angle crashes are represented by red "X"s



# Appendix D

## EXISTING AND ANALYSIS

### Existing Peak Analysis

Body text

---



## Mid Barataria Traffic Study

Vistro File: M:\...\Mid Barararia.vistro

Scenario 1 Existing AM Peak

Report File: C:\...\Existing AM Peak.pdf

7/16/2018

**Intersection Analysis Summary**

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Ravenna Rd.	Two-way stop	HCM 6th Edition	WB Thru	0.009	11.3	B
2	Greenhouse Access	Two-way stop	HCM 6th Edition	NEB Right	0.002	8.9	A
3	Ram Terminals DW 2	Two-way stop	HCM 6th Edition	WB Left	0.004	10.2	B
4	Median Opening 29.66161, -89.97518	Two-way stop	HCM 6th Edition	NWB U-T	0.000	8.4	A
5	Median Opening 29.65684, -89.97295	Two-way stop	HCM 6th Edition	NWB U-T	0.000	8.4	A
6	Median Opening/Entrance 29.65203, -89.96986	Two-way stop	HCM 6th Edition	NEB Left	0.004	10.2	B
7	Ironton Rd	Two-way stop	HCM 6th Edition	SWB Left	0.007	10.2	B
8	Plaquemines Parish Access	Two-way stop	HCM 6th Edition	NEB Left	0.007	10.1	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

**Intersection Level Of Service Report**  
**Intersection 1: Ravenna Rd.**

Control Type:	Two-way stop	Delay (sec / veh):	11.3
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.009

**Intersection Setup**

Name	LA 23			LA 23			Ravenna Rd			Ravenna Rd		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	200.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	65.00			65.00			25.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

**Volumes**

Name	LA 23			LA 23			Ravenna Rd			Ravenna Rd		
Base Volume Input [veh/h]	5	172	5	5	199	5	5	5	5	5	5	5
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	5	172	5	5	199	5	5	5	5	5	5	5
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	43	1	1	50	1	1	1	1	1	1	1
Total Analysis Volume [veh/h]	5	172	5	5	199	5	5	5	5	5	5	5
Pedestrian Volume [ped/h]	0			0			0			0		

**Intersection Settings**

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			Yes	Yes
Storage Area [veh]	0	0	2	2
Two-Stage Gap Acceptance			Yes	Yes
Number of Storage Spaces in Median	0	0	1	1

**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
d_M, Delay for Movement [s/veh]	7.65	0.00	0.00	7.59	0.00	0.00	10.63	11.31	8.92	10.52	11.31	8.85
Movement LOS	A	A	A	A	A	A	B	B	A	B	B	A
95th-Percentile Queue Length [veh/ln]	0.01	0.01	0.00	0.01	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05
95th-Percentile Queue Length [ft/ln]	0.28	0.14	0.00	0.27	0.00	0.00	1.25	1.25	1.25	1.24	1.24	1.24
d_A, Approach Delay [s/veh]	0.21			0.18			10.29			10.22		
Approach LOS	A			A			B			B		
d_I, Intersection Delay [s/veh]	0.91											
Intersection LOS	B											

**Intersection Level Of Service Report  
Intersection 2: Greenhouse Access**

Control Type:	Two-way stop	Delay (sec / veh):	8.9
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.002

**Intersection Setup**

Name	LA 23		LA 23		Greenhouse	
Approach	Northbound		Southbound		Northeastbound	
Lane Configuration	↑↑		↑↑		↑	
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	65.00		65.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

**Volumes**

Name	LA 23		LA 23		Greenhouse	
Base Volume Input [veh/h]	0	182	207	2	0	2
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	4.40	6.80	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	182	207	2	0	2
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	46	52	1	0	1
Total Analysis Volume [veh/h]	0	182	207	2	0	2
Pedestrian Volume [ped/h]	0		0		0	

**Intersection Settings**

Priority Scheme	Free	Free	Stop
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance			No
Number of Storage Spaces in Median	0	0	0

**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	0.00	0.00	0.00	0.00	0.00	8.88
Movement LOS		A	A	A		A
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00	0.00	0.01
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00	0.00	0.16
d_A, Approach Delay [s/veh]	0.00		0.00		8.88	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.05					
Intersection LOS	A					

**Intersection Level Of Service Report  
Intersection 3: Ram Terminals DW 2**

Control Type:	Two-way stop	Delay (sec / veh):	10.2
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.004

**Intersection Setup**

Name	LA 23		LA 23		Driveway 2	
Approach	Northbound		Southbound		Westbound	
Lane Configuration						
Turning Movement	Thru	Right	Left	Thru	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	65.00		65.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

**Volumes**

Name	LA 23		LA 23		Driveway 2	
Base Volume Input [veh/h]	177	6	11	198	3	5
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	177	6	11	198	3	5
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	44	2	3	50	1	1
Total Analysis Volume [veh/h]	177	6	11	198	3	5
Pedestrian Volume [ped/h]	0		0		0	

**Intersection Settings**

Priority Scheme	Free	Free	Stop
Flared Lane			Yes
Storage Area [veh]	0	0	1
Two-Stage Gap Acceptance			Yes
Number of Storage Spaces in Median	0	0	1

**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.00	0.00	0.01	0.00	0.00	0.01
d_M, Delay for Movement [s/veh]	0.00	0.00	7.61	0.00	10.22	8.81
Movement LOS	A	A	A	A	B	A
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.02	0.01	0.02	0.02
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.60	0.30	0.40	0.40
d_A, Approach Delay [s/veh]	0.00		0.40		9.34	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.40					
Intersection LOS	B					



**Intersection Level Of Service Report**  
**Intersection 4: Median Opening 29.66161, -89.97518**

Control Type:	Two-way stop	Delay (sec / veh):	8.4
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.000

**Intersection Setup**

Name	LA 23		LA 23	
Approach	Southbound		Northwestbound	
Lane Configuration				
Turning Movement	U-turn	Thru	U-turn	Thru
Lane Width [ft]	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00
Speed [mph]	65.00		65.00	
Grade [%]	0.00		0.00	
Crosswalk	No		No	

**Volumes**

Name	LA 23		LA 23	
Base Volume Input [veh/h]	0	201	0	183
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	10.00	2.00	6.00
Growth Rate	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0
Other Volume [veh/h]	0	0	0	0
Total Hourly Volume [veh/h]	0	201	0	183
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	50	0	46
Total Analysis Volume [veh/h]	0	201	0	183
Pedestrian Volume [ped/h]	0		0	

**Intersection Settings**

Priority Scheme	Free	Free
Flared Lane		
Storage Area [veh]	0	0
Two-Stage Gap Acceptance		
Number of Storage Spaces in Median	0	0

**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	8.28	0.00	8.37	0.00
Movement LOS	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	0.00		0.00	
Approach LOS	A		A	
d_I, Intersection Delay [s/veh]	0.00			
Intersection LOS	A			

**Intersection Level Of Service Report**  
**Intersection 5: Median Opening 29.65684, -89.97295**

Control Type:	Two-way stop	Delay (sec / veh):	8.4
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.000

**Intersection Setup**

Name	LA 23		LA 23	
Approach	Northwestbound		Southeastbound	
Lane Configuration				
Turning Movement	U-turn	Thru	U-turn	Thru
Lane Width [ft]	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00
Speed [mph]	65.00		65.00	
Grade [%]	0.00		0.00	
Crosswalk	No		No	

**Volumes**

Name	LA 23		LA 23	
Base Volume Input [veh/h]	0	186	0	202
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	4.30	2.00	8.90
Growth Rate	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0
Other Volume [veh/h]	0	0	0	0
Total Hourly Volume [veh/h]	0	186	0	202
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	47	0	51
Total Analysis Volume [veh/h]	0	186	0	202
Pedestrian Volume [ped/h]	0		0	

**Intersection Settings**

Priority Scheme	Free	Free
Flared Lane		
Storage Area [veh]	0	0
Two-Stage Gap Acceptance		
Number of Storage Spaces in Median	0	0

**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	8.37	0.00	8.30	0.00
Movement LOS	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	0.00		0.00	
Approach LOS	A		A	
d_I, Intersection Delay [s/veh]	0.00			
Intersection LOS	A			

**Intersection Level Of Service Report**

**Intersection 6: Median Opening/Entrance 29.65203, -89.96986**

Control Type:	Two-way stop	Delay (sec / veh):	10.2
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.004

**Intersection Setup**

Name	29.65203, -89.96986		LA 23		LA 23	
Approach	Northeastbound		Northwestbound		Southeastbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00		65.00		65.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

**Volumes**

Name	29.65203, -89.96986		LA 23		LA 23	
Base Volume Input [veh/h]	3	3	3	191	191	3
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	5.10	10.30	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	3	3	3	191	191	3
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	1	1	48	48	1
Total Analysis Volume [veh/h]	3	3	3	191	191	3
Pedestrian Volume [ped/h]	0		0		0	

**Intersection Settings**

Priority Scheme	Stop	Free	Free
Flared Lane	Yes		
Storage Area [veh]	1	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0




**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	10.18	8.84	7.62	0.00	0.00	0.00
Movement LOS	B	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.01	0.01	0.01	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.32	0.32	0.16	0.08	0.00	0.00
d_A, Approach Delay [s/veh]	9.51		0.12		0.00	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.20					
Intersection LOS	B					

**Intersection Level Of Service Report  
Intersection 7: Ironton Rd**

Control Type:	Two-way stop	Delay (sec / veh):	10.2
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.007

**Intersection Setup**

Name	Ironton Rd		LA 23		LA 23	
Approach	Southwestbound		Northwestbound		Southeastbound	
Lane Configuration						
Turning Movement	Left	Right	Thru	Right	Left	Thru
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00		65.00		65.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

**Volumes**

Name	Ironton Rd		LA 23		LA 23	
Base Volume Input [veh/h]	5	19	175	5	13	181
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	5	19	175	5	13	181
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	5	44	1	3	45
Total Analysis Volume [veh/h]	5	19	175	5	13	181
Pedestrian Volume [ped/h]	0		0		0	

**Intersection Settings**

Priority Scheme	Stop	Free	Free
Flared Lane	Yes		
Storage Area [veh]	1	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.01	0.02	0.00	0.00	0.01	0.00
d_M, Delay for Movement [s/veh]	10.24	8.85	0.00	0.00	7.61	0.00
Movement LOS	B	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.06	0.06	0.00	0.00	0.03	0.01
95th-Percentile Queue Length [ft/ln]	1.53	1.53	0.00	0.00	0.71	0.35
d_A, Approach Delay [s/veh]	9.14		0.00		0.51	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.80					
Intersection LOS	B					



**Intersection Level Of Service Report  
Intersection 8: Plaquemines Parish Access**

Control Type:	Two-way stop	Delay (sec / veh):	10.1
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.007

**Intersection Setup**

Name	Plaquemines Parish Access		LA 23		LA 23	
Approach	Northeastbound		Northwestbound		Southeastbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00		65.00		65.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

**Volumes**

Name	Plaquemines Parish Access		LA 23		LA 23	
Base Volume Input [veh/h]	5	5	5	175	181	5
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	5.00	9.70	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	5	5	5	175	181	5
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	1	1	44	45	1
Total Analysis Volume [veh/h]	5	5	5	175	181	5
Pedestrian Volume [ped/h]	0		0		0	

**Intersection Settings**

Priority Scheme	Stop	Free	Free
Flared Lane	Yes		
Storage Area [veh]	1	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.01	0.01	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	10.12	8.82	7.61	0.00	0.00	0.00
Movement LOS	B	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.02	0.02	0.01	0.01	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.54	0.54	0.27	0.14	0.00	0.00
d_A, Approach Delay [s/veh]	9.47		0.21		0.00	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.35					
Intersection LOS	B					

## Mid Barataria Traffic Study

Vistro File: M:\...\Mid Barararia.vistro

Scenario 1 Existing AM Peak

Report File: C:\...\Existing AM Peak.pdf

7/16/2018

**Turning Movement Volume: Summary**

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
1	Ravenna Rd.	5	172	5	5	199	5	5	5	5	5	5	5	421

ID	Intersection Name	Northbound		Southbound		Northeastbound	Total Volume
		Thru	Right	Thru	Right	Right	
2	Greenhouse Access	182		207	2	2	393

ID	Intersection Name	Northbound		Southbound		Westbound		Total Volume
		Thru	Right	Left	Thru	Left	Right	
3	Ram Terminals DW 2	177	6	11	198	3	5	400

ID	Intersection Name	Southbound		Northwestbound		Total Volume
		U-T	Thru	U-T	Thru	
4	Median Opening 29.66161, -89.97518	0	201	0	183	384

ID	Intersection Name	Northwestbound		Southeastbound		Total Volume
		U-T	Thru	U-T	Thru	
5	Median Opening 29.65684, -89.97295	0	186	0	202	388

ID	Intersection Name	Northeastbound		Northwestbound		Southeastbound		Total Volume
		Left	Right	Left	Thru	Thru	Right	
6	Median Opening/Entrance 29.65203, -89.96986	3	3	3	191	191	3	394

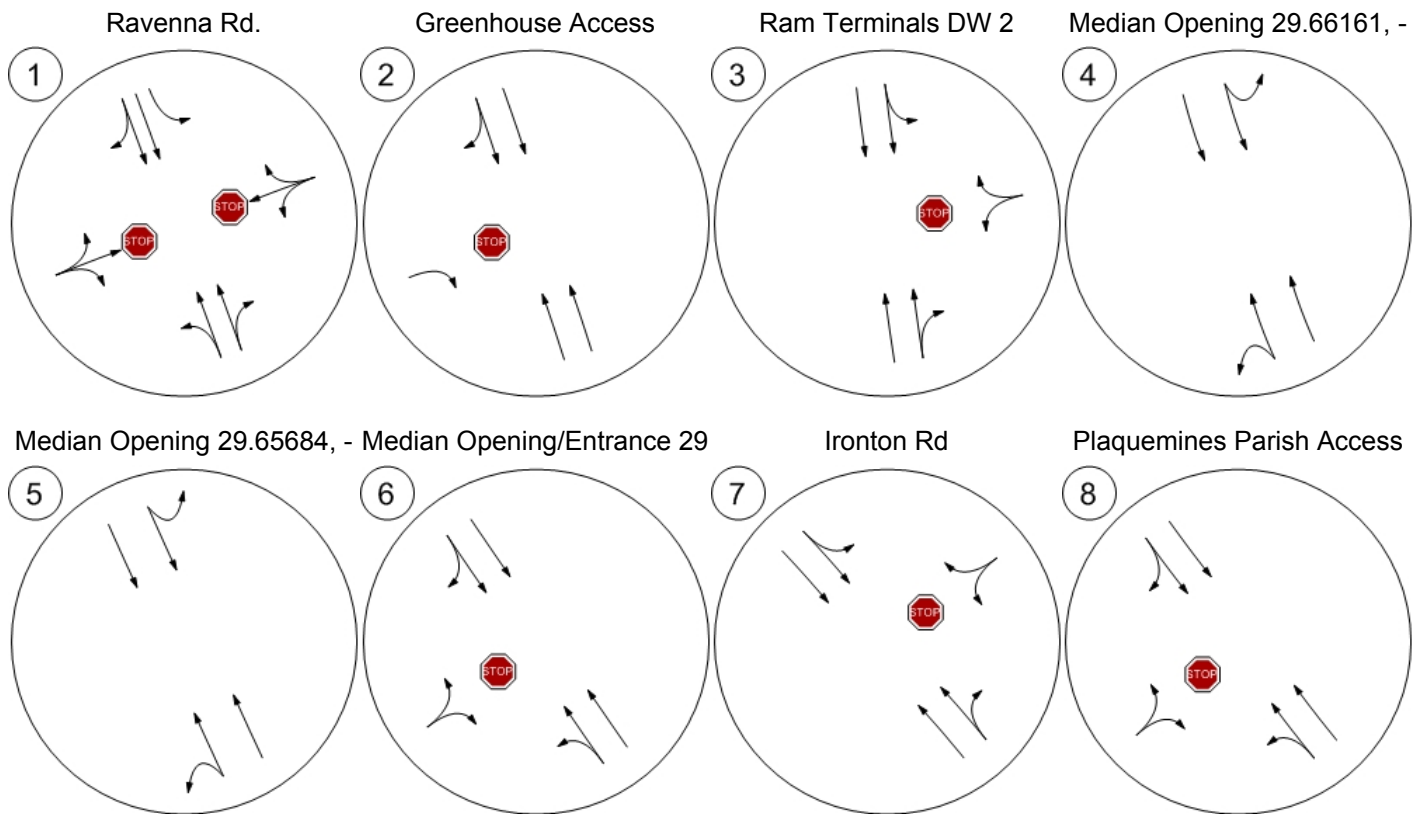
ID	Intersection Name	Southwestbound		Northwestbound		Southeastbound		Total Volume
		Left	Right	Thru	Right	Left	Thru	
7	Ironton Rd	5	19	175	5	13	181	398

Version 6.00-01

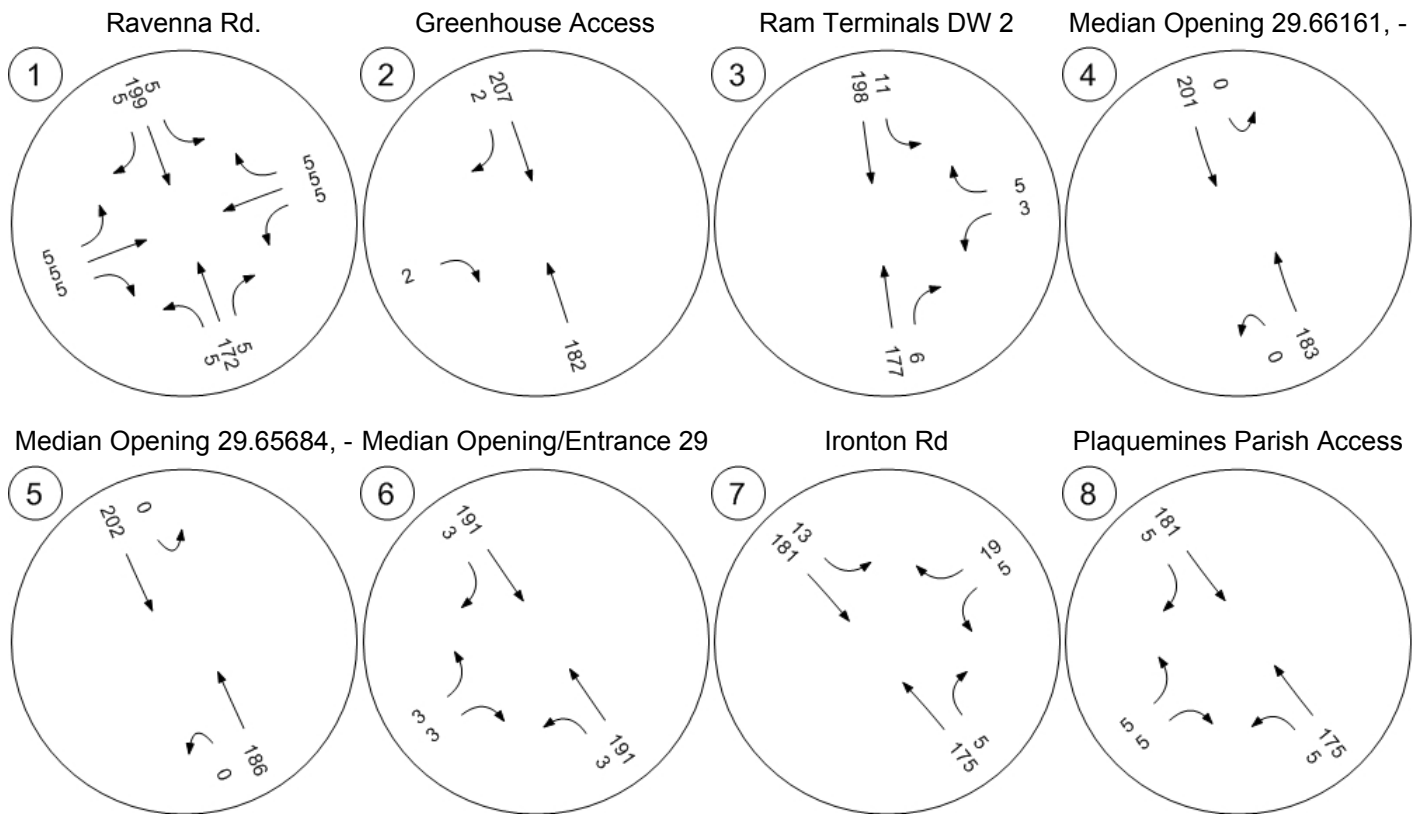
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ID	Intersection Name	Northeastbound		Northwestbound		Southeastbound		Total Volume
		Left	Right	Left	Thru	Thru	Right	
8	Plaquemines Parish Access	5	5	5	175	181	5	376

Lane Configuration and Traffic Control

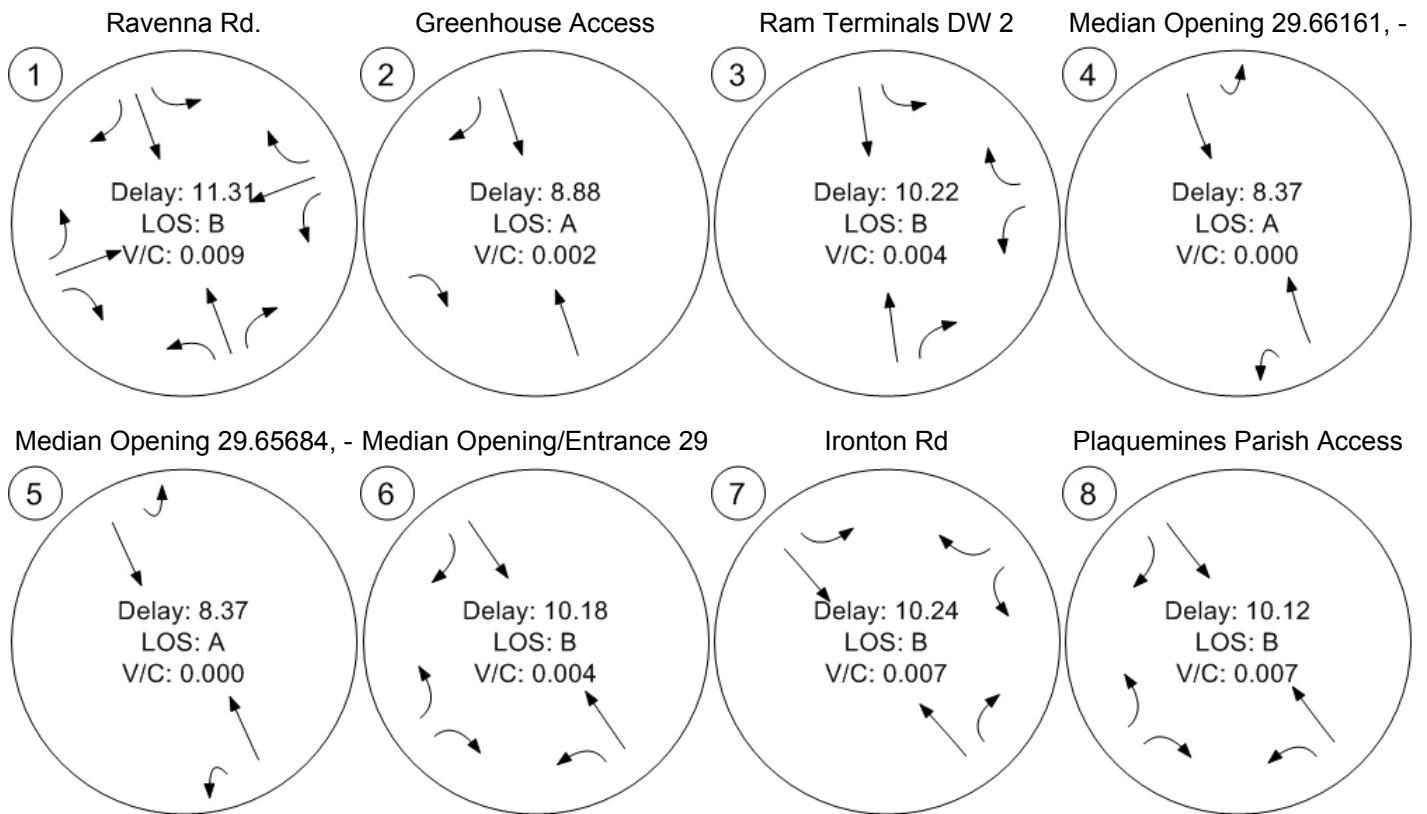


Traffic Volume - Base Volume





Traffic Conditions



## Mid Barataria Traffic Stuffy

Vistro File: M:\...\Mid Barataria.vistro

Scenario 2 Existing PM Peak

Report File: C:\...\Existing PM Peak.pdf

7/16/2018

**Intersection Analysis Summary**

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Ravenna Rd.	Two-way stop	HCM 6th Edition	WB Thru	0.009	11.7	B
2	Greenhouse Access	Two-way stop	HCM 6th Edition	NEB Right	0.001	8.8	A
3	Ram Terminals DW 2	Two-way stop	HCM 6th Edition	WB Left	0.008	10.5	B
4	Median Opening 29.66161, -89.97518	Two-way stop	HCM 6th Edition	SB U-T	0.000	8.6	A
5	Median Opening 29.65684, -89.97295	Two-way stop	HCM 6th Edition	SEB U-T	0.000	8.6	A
6	Median Opening/Entrance 29.65203, -89.96986	Two-way stop	HCM 6th Edition	NEB Left	0.007	10.4	B
7	Ironton Rd	Two-way stop	HCM 6th Edition	SWB Left	0.008	10.6	B
8	Plaquemines Parish Access	Two-way stop	HCM 6th Edition	NEB Left	0.007	10.3	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.



**Intersection Level Of Service Report**  
**Intersection 1: Ravenna Rd.**

Control Type: Two-way stop  
 Analysis Method: HCM 6th Edition  
 Analysis Period: 1 hour

Delay (sec / veh): 11.7  
 Level Of Service: B  
 Volume to Capacity (v/c): 0.009

**Intersection Setup**

Name	LA 23			LA 23			Ravenna Rd			Ravenna Rd		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration	⇌⇌			⇌⇌			⊕			⊕		
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	200.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	65.00			65.00			25.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

**Volumes**

Name	LA 23			LA 23			Ravenna Rd			Ravenna Rd		
Base Volume Input [veh/h]	5	239	5	5	178	5	5	5	5	5	5	5
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	5.60	5.60	6.50	6.50	2.00	2.00	2.00	2.00	6.50	6.50	6.50
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	5	239	5	5	178	5	5	5	5	5	5	5
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	60	1	1	45	1	1	1	1	1	1	1
Total Analysis Volume [veh/h]	5	239	5	5	178	5	5	5	5	5	5	5
Pedestrian Volume [ped/h]	0			0			0			0		

**Intersection Settings**

Priority Scheme	Free	Free	Stop	Stop
Flared Lane			Yes	Yes
Storage Area [veh]	0	0	2	2
Two-Stage Gap Acceptance			Yes	Yes
Number of Storage Spaces in Median	0	0	1	1

**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
d_M, Delay for Movement [s/veh]	7.60	0.00	0.00	7.81	0.00	0.00	10.67	11.57	8.87	11.04	11.68	9.11
Movement LOS	A	A	A	A	A	A	B	B	A	B	B	A
95th-Percentile Queue Length [veh/ln]	0.01	0.01	0.00	0.01	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05
95th-Percentile Queue Length [ft/ln]	0.27	0.14	0.00	0.29	0.00	0.00	1.28	1.28	1.28	1.33	1.33	1.33
d_A, Approach Delay [s/veh]	0.15			0.21			10.37			10.61		
Approach LOS	A			A			B			B		
d_I, Intersection Delay [s/veh]	0.84											
Intersection LOS	B											

**Intersection Level Of Service Report  
Intersection 2: Greenhouse Access**

Control Type:	Two-way stop	Delay (sec / veh):	8.8
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.001

**Intersection Setup**

Name	LA 23		LA 23		Greenhouse	
Approach	Northbound		Southbound		Northeastbound	
Lane Configuration	↑↑		↑↑		↑	
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	65.00		65.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

**Volumes**

Name	LA 23		LA 23		Greenhouse	
Base Volume Input [veh/h]	0	249	188	0	0	1
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	5.60	6.40	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	249	188	0	0	1
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	62	47	0	0	0
Total Analysis Volume [veh/h]	0	249	188	0	0	1
Pedestrian Volume [ped/h]	0		0		0	

**Intersection Settings**

Priority Scheme	Free	Free	Stop
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance			No
Number of Storage Spaces in Median	0	0	0

**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	0.00	0.00	0.00	0.00	0.00	8.82
Movement LOS		A	A	A		A
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00	0.00	0.08
d_A, Approach Delay [s/veh]	0.00		0.00		8.82	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.02					
Intersection LOS	A					

**Intersection Level Of Service Report  
Intersection 3: Ram Terminals DW 2**

Control Type:	Two-way stop	Delay (sec / veh):	10.5
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.008

**Intersection Setup**

Name	LA 23		LA 23		Driveway 2	
Approach	Northbound		Southbound		Westbound	
Lane Configuration						
Turning Movement	Thru	Right	Left	Thru	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	65.00		65.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

**Volumes**

Name	LA 23		LA 23		Driveway 2	
Base Volume Input [veh/h]	241	5	6	182	5	8
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	6.50	2.00	6.50	2.00	2.00	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	241	5	6	182	5	8
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	60	1	2	46	1	2
Total Analysis Volume [veh/h]	241	5	6	182	5	8
Pedestrian Volume [ped/h]	0		0		0	

**Intersection Settings**

Priority Scheme	Free	Free	Stop
Flared Lane			Yes
Storage Area [veh]	0	0	1
Two-Stage Gap Acceptance			Yes
Number of Storage Spaces in Median	0	0	1



**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00	0.01	0.01
d_M, Delay for Movement [s/veh]	0.00	0.00	7.81	0.00	10.49	9.00
Movement LOS	A	A	A	A	B	A
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.01	0.01	0.03	0.03
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.35	0.18	0.67	0.67
d_A, Approach Delay [s/veh]	0.00		0.25		9.58	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.38					
Intersection LOS	B					

**Intersection Level Of Service Report**  
**Intersection 4: Median Opening 29.66161, -89.97518**

Control Type:	Two-way stop	Delay (sec / veh):	8.6
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.000

**Intersection Setup**

Name	LA 23		LA 23	
Approach	Southbound		Northwestbound	
Lane Configuration				
Turning Movement	U-turn	Thru	U-turn	Thru
Lane Width [ft]	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00
Speed [mph]	65.00		65.00	
Grade [%]	0.00		0.00	
Crosswalk	No		No	

**Volumes**

Name	LA 23		LA 23	
Base Volume Input [veh/h]	0	187	0	246
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	6.50	2.00	6.50
Growth Rate	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0
Other Volume [veh/h]	0	0	0	0
Total Hourly Volume [veh/h]	0	187	0	246
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	47	0	62
Total Analysis Volume [veh/h]	0	187	0	246
Pedestrian Volume [ped/h]	0		0	

**Intersection Settings**

Priority Scheme	Free	Free
Flared Lane		
Storage Area [veh]	0	0
Two-Stage Gap Acceptance		
Number of Storage Spaces in Median	0	0

**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	8.59	0.00	8.30	0.00
Movement LOS	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	0.00		0.00	
Approach LOS	A		A	
d_I, Intersection Delay [s/veh]	0.00			
Intersection LOS	A			



**Intersection Level Of Service Report**  
**Intersection 5: Median Opening 29.65684, -89.97295**

Control Type:	Two-way stop	Delay (sec / veh):	8.6
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.000

**Intersection Setup**

Name	LA 23		LA 23	
Approach	Northwestbound		Southeastbound	
Lane Configuration				
Turning Movement	U-turn	Thru	U-turn	Thru
Lane Width [ft]	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00
Speed [mph]	65.00		65.00	
Grade [%]	0.00		0.00	
Crosswalk	No		No	

**Volumes**

Name	LA 23		LA 23	
Base Volume Input [veh/h]	0	245	0	191
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	5.70	2.00	6.80
Growth Rate	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0
Other Volume [veh/h]	0	0	0	0
Total Hourly Volume [veh/h]	0	245	0	191
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	61	0	48
Total Analysis Volume [veh/h]	0	245	0	191
Pedestrian Volume [ped/h]	0		0	

**Intersection Settings**

Priority Scheme	Free	Free
Flared Lane		
Storage Area [veh]	0	0
Two-Stage Gap Acceptance		
Number of Storage Spaces in Median	0	0

**Movement, Approach, & Intersection Results**




V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	8.32	0.00	8.59	0.00
Movement LOS	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	0.00		0.00	
Approach LOS	A		A	
d_I, Intersection Delay [s/veh]	0.00			
Intersection LOS	A			

**Intersection Level Of Service Report**

**Intersection 6: Median Opening/Entrance 29.65203, -89.96986**

Control Type:	Two-way stop	Delay (sec / veh):	10.4
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.007

**Intersection Setup**

Name	29.65203, -89.96986		LA 23		LA 23	
Approach	Northeastbound		Northwestbound		Southeastbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00		65.00		65.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

**Volumes**

Name	29.65203, -89.96986		LA 23		LA 23	
Base Volume Input [veh/h]	5	5	5	251	198	5
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	6.80	7.10	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	5	5	5	251	198	5
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	1	1	63	50	1
Total Analysis Volume [veh/h]	5	5	5	251	198	5
Pedestrian Volume [ped/h]	0		0		0	

**Intersection Settings**

Priority Scheme	Stop	Free	Free
Flared Lane	Yes		
Storage Area [veh]	1	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0




**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.01	0.01	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	10.38	8.87	7.65	0.00	0.00	0.00
Movement LOS	B	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.02	0.02	0.01	0.01	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.56	0.56	0.28	0.14	0.00	0.00
d_A, Approach Delay [s/veh]	9.63		0.15		0.00	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.29					
Intersection LOS	B					

**Intersection Level Of Service Report  
Intersection 7: Ironton Rd**

Control Type:	Two-way stop	Delay (sec / veh):	10.6
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.008

**Intersection Setup**

Name	Ironton Rd		LA 23		LA 23	
Approach	Southwestbound		Northwestbound		Southeastbound	
Lane Configuration						
Turning Movement	Left	Right	Thru	Right	Left	Thru
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00		65.00		65.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

**Volumes**

Name	Ironton Rd		LA 23		LA 23	
Base Volume Input [veh/h]	5	5	246	8	6	192
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	6.00	2.00	2.00	6.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	5	5	246	8	6	192
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	1	62	2	2	48
Total Analysis Volume [veh/h]	5	5	246	8	6	192
Pedestrian Volume [ped/h]	0		0		0	

**Intersection Settings**

Priority Scheme	Stop	Free	Free
Flared Lane	Yes		
Storage Area [veh]	1	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.01	0.01	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	10.55	9.02	0.00	0.00	7.76	0.00
Movement LOS	B	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.02	0.02	0.00	0.00	0.01	0.01
95th-Percentile Queue Length [ft/ln]	0.58	0.58	0.00	0.00	0.35	0.17
d_A, Approach Delay [s/veh]	9.79		0.00		0.24	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.31					
Intersection LOS	B					

**Intersection Level Of Service Report  
Intersection 8: Plaquemines Parish Access**

Control Type:	Two-way stop	Delay (sec / veh):	10.3
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.007

**Intersection Setup**

Name	Plaquemines Parish Access		LA 23		LA 23	
Approach	Northeastbound		Northwestbound		Southeastbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00		65.00		65.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		No	

**Volumes**

Name	Plaquemines Parish Access		LA 23		LA 23	
Base Volume Input [veh/h]	5	5	5	249	192	5
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	4.70	4.60	2.00
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	5	5	5	249	192	5
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	1	1	62	48	1
Total Analysis Volume [veh/h]	5	5	5	249	192	5
Pedestrian Volume [ped/h]	0		0		0	

**Intersection Settings**

Priority Scheme	Stop	Free	Free
Flared Lane	Yes		
Storage Area [veh]	1	0	0
Two-Stage Gap Acceptance	Yes		
Number of Storage Spaces in Median	1	0	0

**Movement, Approach, & Intersection Results**

V/C, Movement V/C Ratio	0.01	0.01	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	10.35	8.86	7.63	0.00	0.00	0.00
Movement LOS	B	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.02	0.02	0.01	0.01	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.56	0.56	0.27	0.14	0.00	0.00
d_A, Approach Delay [s/veh]	9.60		0.15		0.00	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.29					
Intersection LOS	B					



## Mid Barataria Traffic Stuffy

Vistro File: M:\...\Mid Barataria.vistro

Scenario 2 Existing PM Peak

Report File: C:\...\Existing PM Peak.pdf

7/16/2018

**Turning Movement Volume: Summary**

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
1	Ravenna Rd.	5	239	5	5	178	5	5	5	5	5	5	5	467

ID	Intersection Name	Northbound		Southbound		Northeastbound	Total Volume
		Thru	Right	Thru	Right	Right	
2	Greenhouse Access	249		188	0	1	438

ID	Intersection Name	Northbound		Southbound		Westbound		Total Volume
		Thru	Right	Left	Thru	Left	Right	
3	Ram Terminals DW 2	241	5	6	182	5	8	447

ID	Intersection Name	Southbound		Northwestbound		Total Volume
		U-T	Thru	U-T	Thru	
4	Median Opening 29.66161, -89.97518	0	187	0	246	433

ID	Intersection Name	Northwestbound		Southeastbound		Total Volume
		U-T	Thru	U-T	Thru	
5	Median Opening 29.65684, -89.97295	0	245	0	191	436

ID	Intersection Name	Northeastbound		Northwestbound		Southeastbound		Total Volume
		Left	Right	Left	Thru	Thru	Right	
6	Median Opening/Entrance 29.65203, -89.96986	5	5	5	251	198	5	469

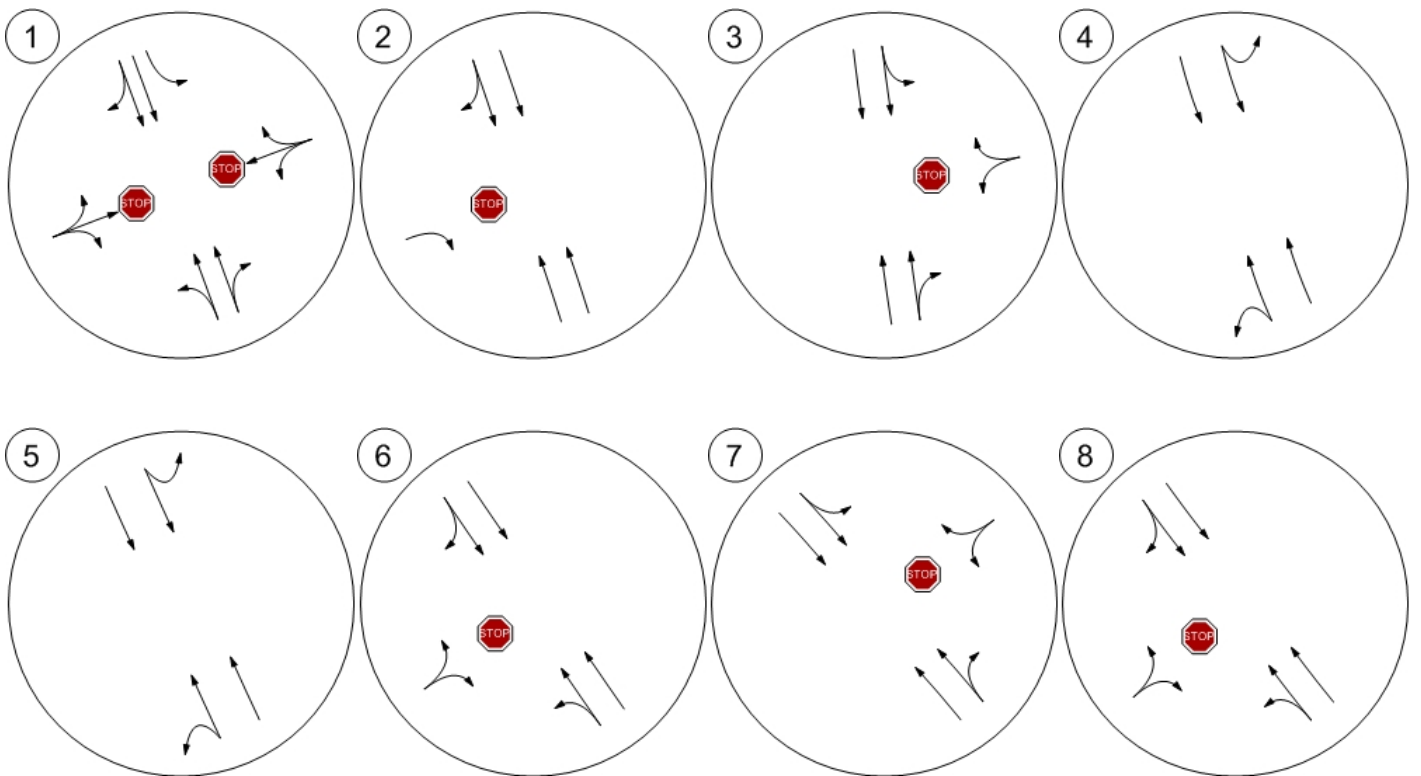
ID	Intersection Name	Southwestbound		Northwestbound		Southeastbound		Total Volume
		Left	Right	Thru	Right	Left	Thru	
7	Ironton Rd	5	5	246	8	6	192	462

Version 6.00-01

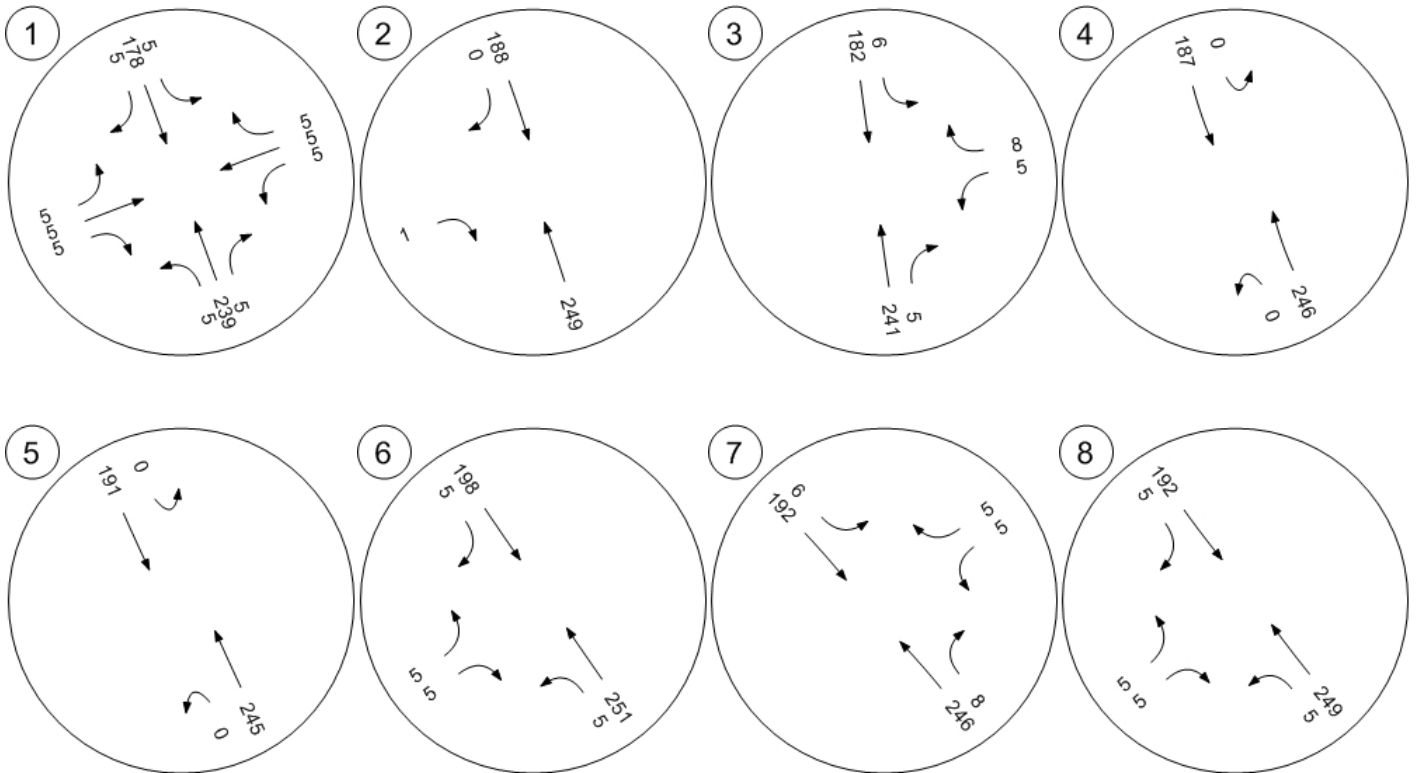
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ID	Intersection Name	Northeastbound		Northwestbound		Southeastbound		Total Volume
		Left	Right	Left	Thru	Thru	Right	
8	Plaquemines Parish Access	5	5	5	249	192	5	461

Lane Configuration and Traffic Control

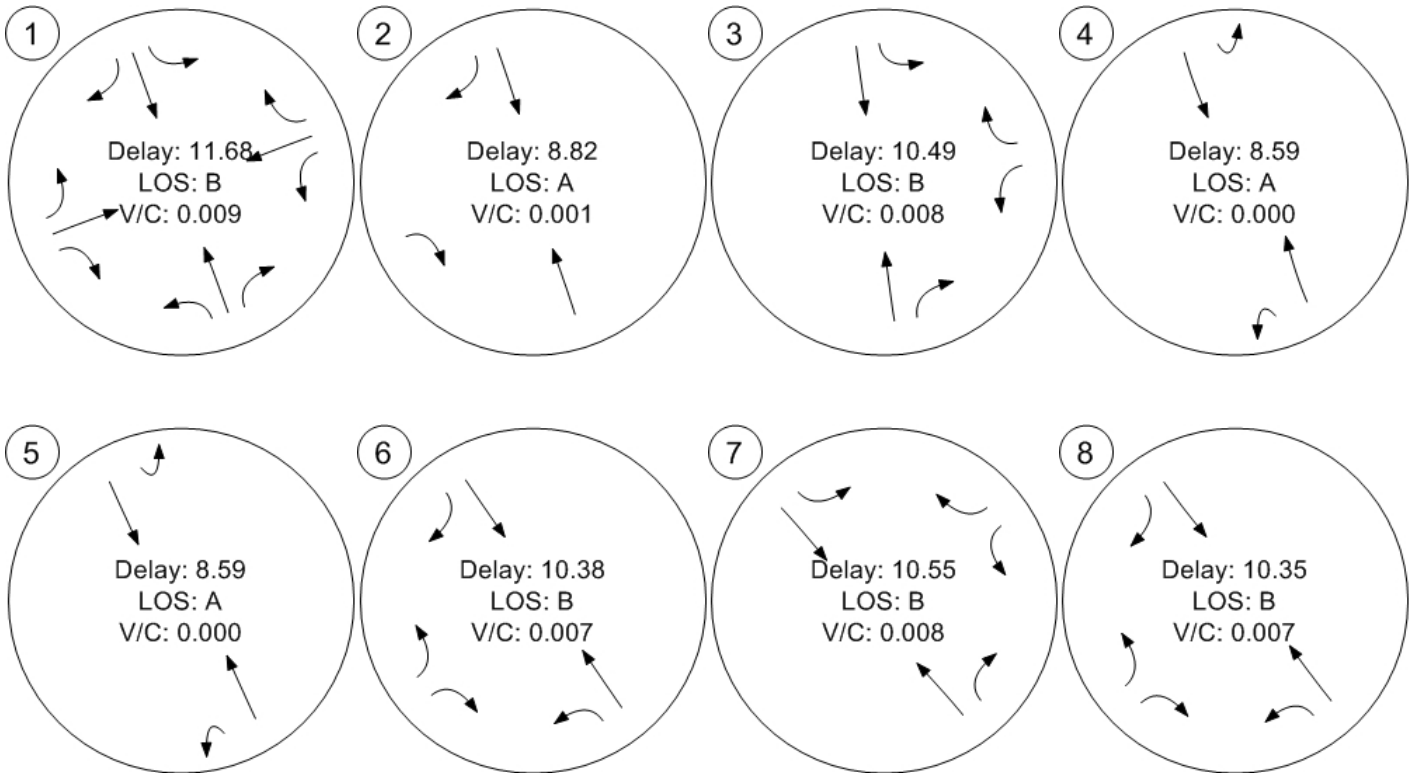


Traffic Volume - Base Volume





Traffic Conditions



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