TRAFFIC IMPACT ANALYSIS

NEC Gibson Boulevard and Alumni Drive

Albuquerque, New Mexico

HT#L15D015A
reveived 7/13/2023

07-13-2023

Prepared for:

Raising Cane's Restaurants, LLC

Kimley»Horn

TRAFFIC IMPACT ANALYSIS

NEC Gibson Boulevard and Alumni Drive

Albuquerque, New Mexico

Prepared for:

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07-13-2023

069313462
July 2023
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1.0 EXECUTIVE SUMMARY

1.1 INTRODUCTION

This report documents a Traffic Impact Study (TIS) for a proposed Raising Cane's Chicken Fingers (Cane's) development located on the northeast corner of the intersection of Gibson Boulevard and Alumni Drive in Albuquerque, NM. The development will consist of a 2,818 square-foot (SF) quick-serve restaurant (QSR) with drive-thru and is anticipated to be built out by 2023.

The Cane's location and study area intersections are identified in **Figure ES-1**.

A new access drive is proposed to be constructed with the development. The proposed new access drive will be located on the east side of Alumni Drive approximately 250ft north of Gibson Boulevard.

The scoping document for this analysis can be found in **Appendix A**.

1.2 REPORT PURPOSE AND OBJECTIVES

Kimley-Horn and Associates, Inc. has been retained by Raising Cane's Restaurants, LLC. to prepare a TIS for the proposed development.

The purpose of this study is to address traffic and transportation impacts of the proposed development on surrounding streets and intersections. The specific objectives of this study are:

- Evaluate lane requirements on existing roadway links and at existing intersections within the study area;
- Determine future level of service (LOS) for existing study area intersections and recommend capacity improvement needs;
- Determine necessary lane configurations at driveways within the proposed development to provide acceptable future levels of service; and
- Evaluate the need for auxiliary lanes at study area intersections.

1.3 PRINCIPAL FINDINGS AND RECOMMENDATIONS

The proposed development is estimated to generate 1,318 daily trips, with 126 trips occurring in the AM peak hour and 93 trips occurring in the PM peak hour.

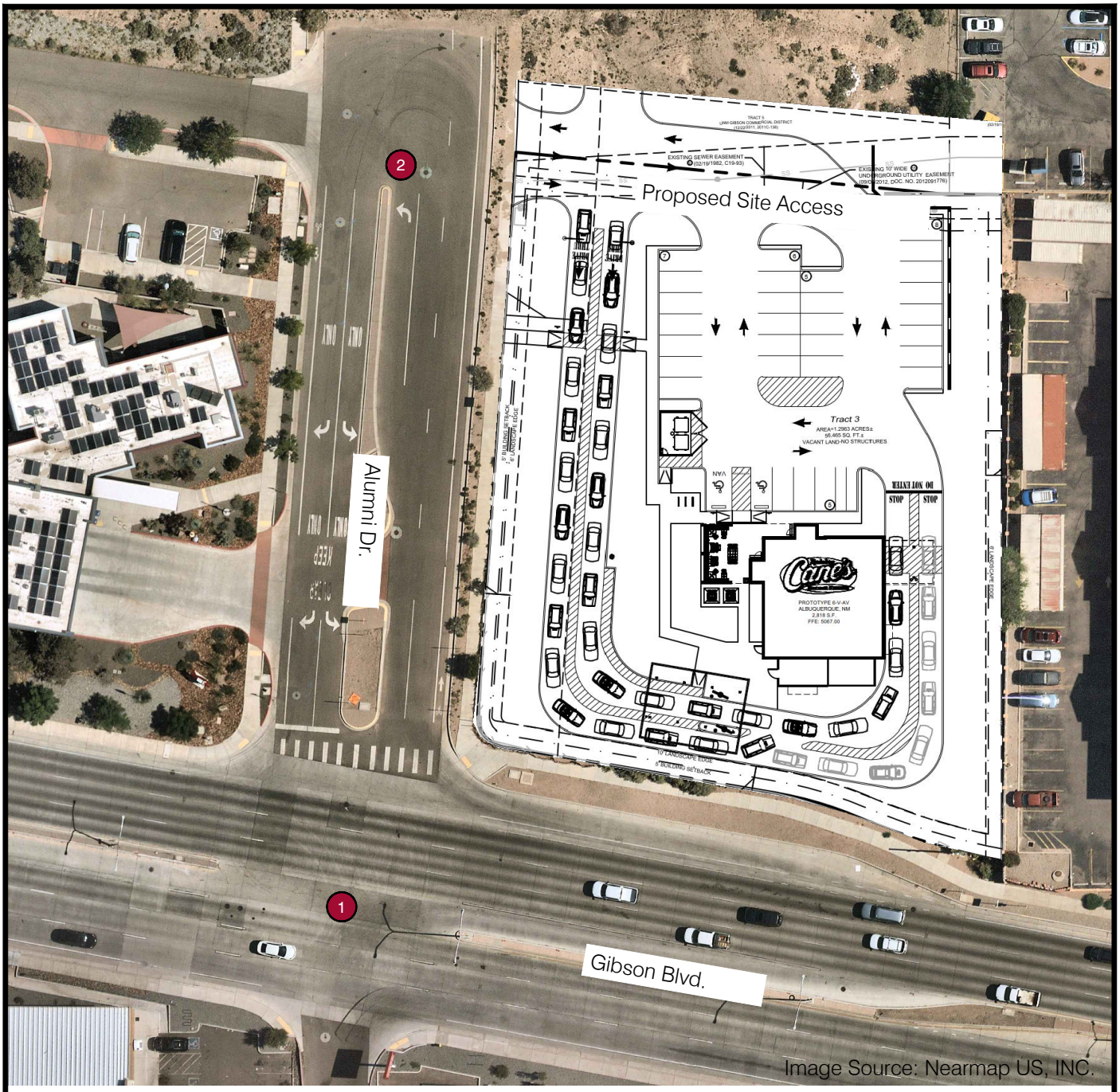
This analysis concludes that the proposed development will be accommodated by the surrounding street network, with the following findings and recommendations:

- A new site driveway is proposed to be located on the east side of Alumni Drive directly across the road from the existing Fire Station access.
- Study area intersections operate at acceptable LOS in each analysis scenario, including existing, 2023 background and total, with the following exceptions:

    - The eastbound left-turn movement at Gibson Boulevard (Intersection 1) shows LOS F with 103s of delay. This scenario was also run in SimTraffic. During the microsimulation, it was observed that vehicles did queue back about five vehicles and that vehicles did experience some long delays but were generally able to turn left in less than 103s as reported in the HCM report. The eastbound left turn may experience poor LOS during the peak hour, but vehicles wishing to enter the site will be able to and will not queue back into eastbound through lanes on Gibson Boulevard.
    - The southbound left-turn movement at Gibson Boulevard (Intersection 1) shows LOS F in all study scenarios during the AM and PM peak hours. It is expected that high volumes on Gibson Boulevard will not provide adequate gaps for the majority of the southbound left turning traffic to use during the peak periods. It is expected that southbound vehicles wanting to turn left during other times of the day will be able to do so with delays and queues similar to what is experienced under existing conditions.
- The existing right-turn lanes are anticipated to provide adequate right-turn storage in 2023 total traffic conditions.
- The proposed drive-through is expected to provide adequate space for on-site circulation during typical and high-traffic demands.

Recommendations:

- It is recommended that the new Proposed Site Access be designed and constructed as a full access drive.
- Based on the LOS and queuing analysis it is recommended that the lane configuration, storage lengths, and intersection control remain as existing at the Gibson Boulevard/Alumni Drive intersection. A traffic signal is not recommended at this intersection with this project.
- It is recommended that the project team coordinate with the fire marshal as the project moves forward due to the site's proximity to the fire station.



NORTH

Study Area Intersections:
1. Gibson Boulevard / Alumni Drive
2. Proposed Site Access / Alumni Drive

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Figure ES-1
Study Area Intersections and Roadway Segments

2.0 PROPOSED DEVELOPMENT

2.1 SITE LOCATION

The proposed Cane's development consists of a quick-serve (QSR) restaurant with drive-thru located on the northeast corner of the intersection of Gibson Boulevard and Alumni Drive in Albuquerque, NM. The city of Albuquerque classifies the existing site's land use as mixed-use – moderate intensity (MX-M). The site is located on a parcel that is currently undeveloped.

The project location is shown in **Figure 1**.

2.2 LAND USE AND SITE PLAN

The total site area is approximately 1.3-acres. The area to be developed is proposed to consist of a 2,818 SF fast-food restaurant with multi-lane drive-thru. The preliminary layout of the site is illustrated in **Figure 2**.

2.3 SITE ACCESSIBILITY

The site is accessed via a single driveway (Proposed Site Access) that intersects Alumni Drive. The Proposed Site Access is expected to be a full access driveway located on Alumni Drive directly across from an existing driveway on the west side of the road.

2.4 SITE CIRCULATION

The developer is proposing one site access located on Alumni Drive per the preliminary site layout. The Proposed Site Access is expected to be a full access driveway. The northern portion of the development will include 30 parking stalls. The southern portion of the development will include the 2,818 SF fast-food restaurant with drive-thru. Drive-thru traffic will enter on the north side of the site at the Proposed Site Access, proceed along the west side of the site, and exit on the east side of the site. The proposed drive-thru will consist of two queuing lanes.

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Figure 1
Vicinity Map

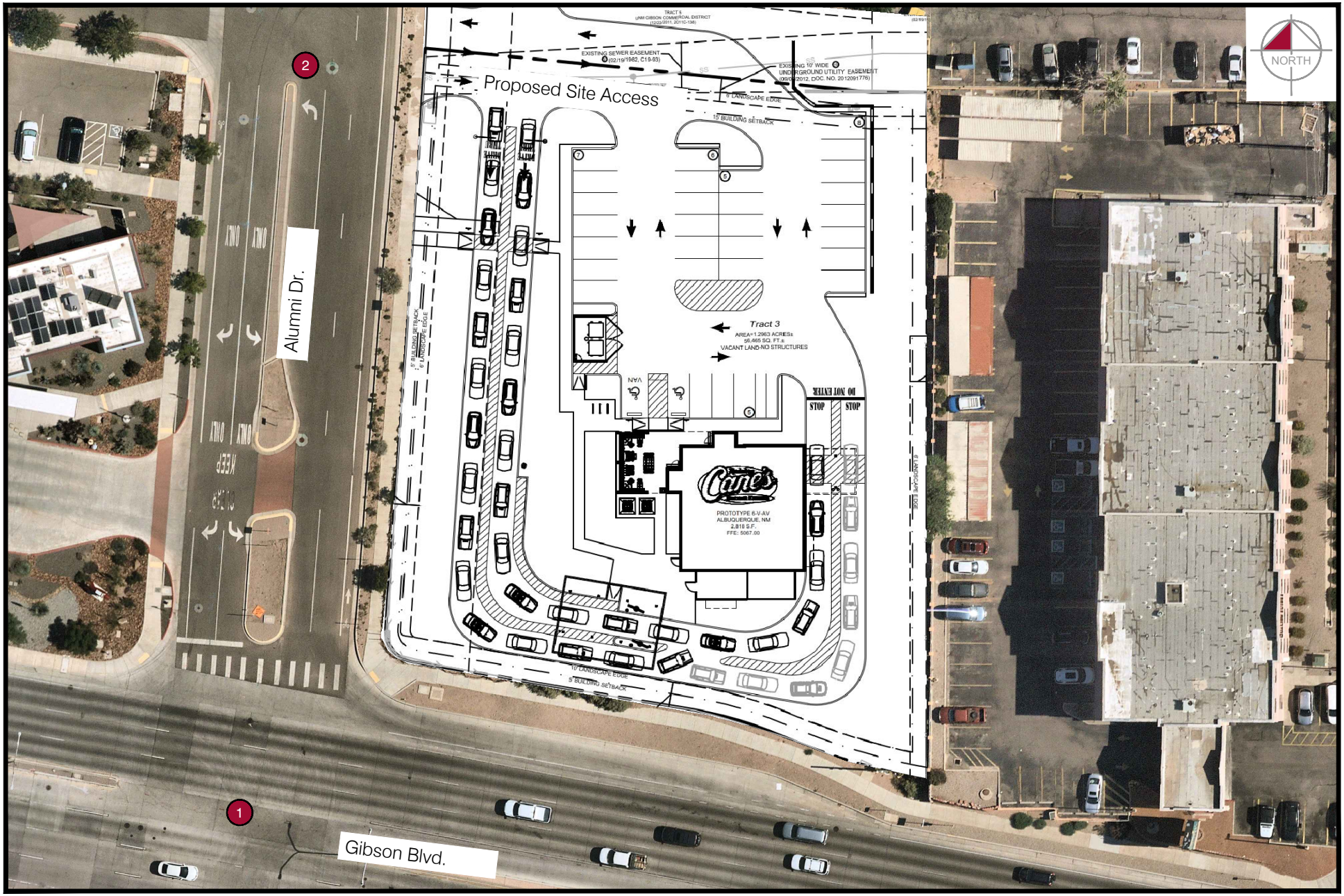

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Figure 2
Preliminary Site Layout

3.0 STUDY AREA

3.1 STUDY AREA

Per the TIS Scoping Meeting held virtually on July 20, 2022 with City of Albuquerque staff, the study area includes the Proposed Site Access, and the unsignalized intersection of Gibson Boulevard / Alumni Drive.

The scoping document for this analysis can be found in **Appendix A**. The proposed access drive and study area intersections are shown previously in **Figure 2**.

3.2 ADJACENT LAND USE

The area directly surrounding the site consists of commercial land uses and undeveloped land. The site is surrounded by primarily residential land uses further away in all directions and industrial land uses to the southwest. There is an existing fire station that is located on the northwest corner of the Gibson Boulevard/Alumni Drive intersection.

Interstate 25 (I-25) is located approximately 0.25 miles to the west and is accessed via a traffic interchange at Gibson Boulevard.

4.0 EXISTING CONDITIONS

4.1 PHYSICAL CHARACTERISTICS

The primary existing roadway network within the study area includes Gibson Boulevard and Alumni Drive. The existing lane configurations and intersection control types for the study intersections are shown in **Figure 3**.

Gibson Boulevard is an east-west roadway within the study area, with three through travel lanes in each direction separated by a raised median. The posted speed limit on Gibson Boulevard is 45 miles per hour (mph). There is curb, gutter, and sidewalk on both sides of the roadway. The City of Albuquerque classifies Gibson Boulevard as a regional principal arterial roadway. Gibson Boulevard has a traffic interchange with I-25 immediately west of the site.

Alumni Drive is a north-south roadway within the study area, with two travel lanes in the north direction that terminate just past the proposed site approximately 320ft north of Gibson Boulevard. There is one left turn and one right turn lane in the southbound direction at Gibson Boulevard. There is raised median along Alumni Drive with a median break to allow for firetrucks to enter and exit the existing fire station located on the northwest corner of the Gibson Boulevard / Alumni Drive intersection. The posted speed limit on Alumni Drive is 30 mph There is curb, gutter, and sidewalk on both sides of the roadway. The Mid-Region Council of Governments (MRCOG) classifies Alumni Drive as a local street.

4.2 TRAFFIC VOLUMES

It was determined in consultation with the City that a 9-10 AM hour analysis would be required based on actual operational hours for the restaurant and represents the peak AM hour in this analysis. Peak PM period turning movement counts (TMCs) were collected on Tuesday, August 2, 2022 at the intersection of Gibson Boulevard /Alumni Drive, while peak AM period TMCs were collected on Tuesday, June 27, 2023. TMCs were collected between 9:00 AM and 10:00 AM for the AM peak hour and 4:00 PM and 6:00 PM for the PM peak period.

24-hour counts for Gibson Boulevard east of I-25 E ramps were obtained from MRCOG. The data was collected on December 1, 2009, and September 25, 2018 and shows a daily traffic volume of approximately 33,500 and 44,100 vehicles per day, respectively. 24-hour counts were unavailable from MRCOG for other roadways studied.

The existing traffic volumes are shown in **Figure 4**. Detailed traffic data is included in **Appendix B**.

4.3 EXISTING LEVEL OF SERVICE

The LOS at the existing study area intersection was evaluated using traffic count data described previously and existing intersection geometry and control, shown in **Figure 3**. Highway Capacity Manual 6th Edition (HCM6) methodology is used to analyze intersection operations within Synchro 11 analysis software.

The analysis results are shown in **Table 1** and reported as “LOS/delay”. Delay is rounded to the nearest whole second. For movements with zero traffic volume, a volume of 1 was used to provide a baseline for this analysis. A dash (-) indicates a free movement. **Bolded** values indicate a movement is operating at a poor LOS. LOS analysis reports for the existing condition are included in **Appendix C**.

Table 1. Existing Level of Service and Delay

Intersection	*NB Approach*			*SB Approach*			*EB Approach*			*WB Approach*		
	L	**T**	**R**	**L**	**T**	**R**	**L**	**T**	**R**	**L**	**T**	**R**
1. Gibson Boulevard/Alumni Drive												
AM Peak	**F/53**		C/15	**E/40**		B/13	B/14	-		C/18	-	-
PM Peak	**F/111**		**F/55**	**F/301**		D/30	**F/55**	-		C/15	-	-
2. Fire Station Access/Alumni Drive												
AM Peak	A/7						A/8					
PM Peak	A/7						A/8					

The following turning movements operated with a LOS F in the AM Peak Period:

- Intersection 1 northbound left turn with 53 seconds of delay

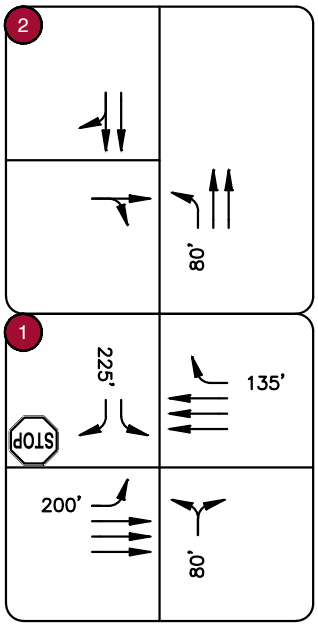
The following turning movements operated with a LOS F in the PM Peak Period:

- Intersection 1 northbound left turn with 111 seconds of delay;
- Intersection 1 northbound right turn with 55 seconds of delay;
- Intersection 1 southbound left turn with 301 seconds of delay;
- Intersection 1 eastbound left turn with 55 seconds of delay

The following turning movements operated with a LOS E in the AM Peak Period:

- Intersection 1 southbound left turn with 40 seconds of delay

All other movements operate at LOS D or better under existing conditions.



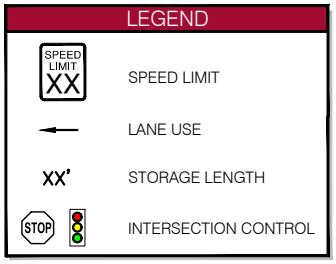


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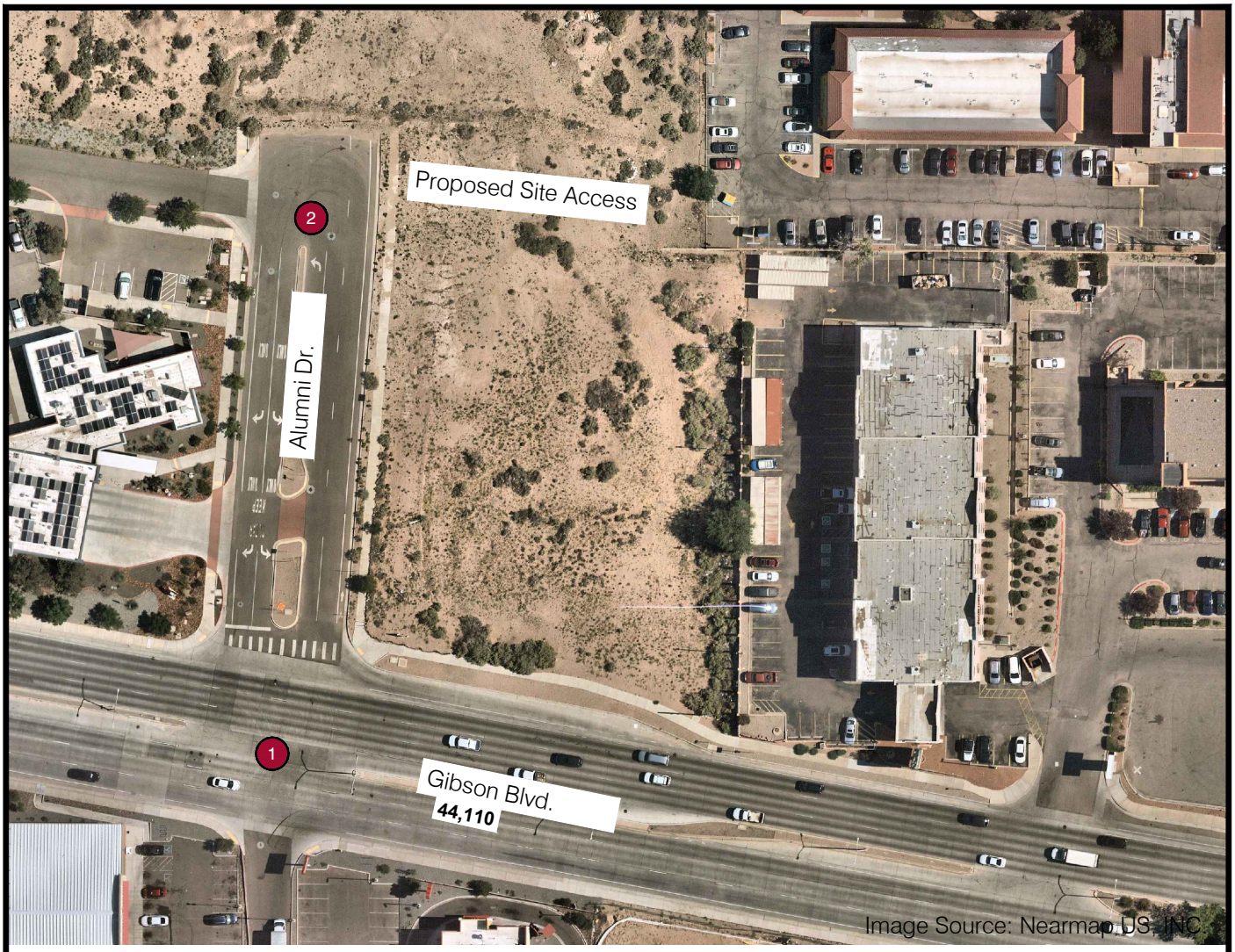
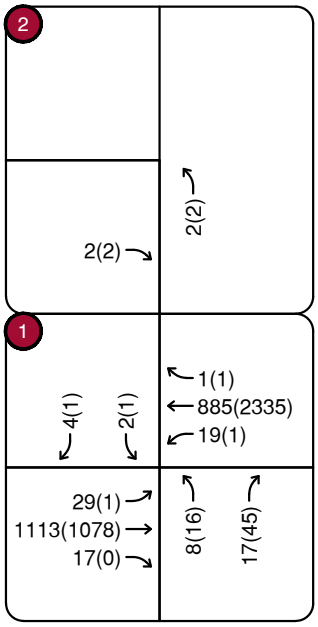
Figure 3
Existing Lane Configuration and Control





LEGEND	
← XX(XX)	AM(PM) PEAK HOUR TRAFFIC VOLUMES
XXXX	AVERAGE DAILY TRAFFIC VOLUMES

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Figure 4
Existing Traffic Volumes

5.0 PROJECTED TRAFFIC

5.1 SITE TRAFFIC FORECASTS

5.1.1 TRIP GENERATION

The Institute of Transportation Engineers' (ITE) *Trip Generation Manual, 11th Edition* was used to estimate the number of new trips that are anticipated to be generated by the Cane's development. Daily and peak hour trips, shown in **Table 2**, were calculated using the applicable average rate from the ITE *Trip Generation Manual*. Trip generation calculations can be found in **Appendix D.**

Table 2. Project Trip Generation

Land Use	ITE Code	Quantity	Units	Total Trips						
				Weekday						
				Daily	AM Peak Hour			PM Peak Hour		
					In	Out	Total	In	Out	Total
Fast-Food Restaurant with Drive-Through	934	2,818	SF	1,318	64	62	126	48	45	93

The proposed development is estimated to generate **1,318** daily trips with **126** trips occurring during the AM peak hour and **93** trips occurring during the PM peak hour.

5.1.2 TRIP REDUCTIONS

Trip generation estimates in **Table 2** utilized ITE Land Use Code 934. This land use code is described as a fast-food restaurant with drive-thru. This land use generates significant pass-by traffic, meaning commuters may stop by the facility while traveling to their ultimate destination. Pass-by trips increase the volume of traffic to the site but do not increase the volume on the adjacent street network.

ITE Land Use Code 934 has published trip by-pass reduction rate of 55% for PM trips. However, **no pass-by trip reduction or internal capture was assumed for the Cane's development in this analysis.** This represents a conservative estimate of the number of new trips anticipated to be added to the adjacent street network, as it is reasonable to assume that there will be some pass-by trips associated with the Cane's restaurant.

5.1.3 TRIP DISTRIBUTION

Trips were distributed based on the surrounding roadway system using MRCOG population data projections for 2040. Based on analysis of population projects it is anticipated that 56% of trips will travel to/from the north, 5% to/from the south, 20% to/from the east, and 19% to/from the west. A map showing the basis of trip distribution estimates is included in **Appendix E**.

Figure 5 illustrates the proposed trip distribution for the study area.

5.1.4 TRAFFIC ASSIGNMENT

Trips generated by the proposed development were assigned to the roadway network based on the trip distribution and likely travel patterns to and from the site. **Figure 6** shows the project development traffic assignment for the PM peak period.

5.2 FUTURE TRAFFIC FORECASTING

Background traffic volumes for the buildout year 2023 were estimated using the nine-year historical traffic growth rate from 2009 to 2018. Traffic data for this calculation was obtained from MRCOG traffic counts. **Table 3** shows the daily traffic volumes in the vicinity of the site and the corresponding growth rate.

Table 3. Traffic Growth

Roadway	2008 Daily Volume (vehicles per day, both directions)	2018 Daily Volume (vehicles per day, both directions)	Average Annual Growth Rate
Gibson Boulevard East of I-25 East Ramps	33,503	44,110	3.1%

Based on the above volumes, an annual growth rate of 3.1 percent per year was applied to the existing turning movements to obtain background traffic volumes for the buildout year 2023.

A commercial development is proposed to the east of the project on the southwest corner of Gibson Boulevard/Yale Boulevard. A traffic impact study (TIS) dated March 14, 2022, was used to determine anticipated traffic volumes associated with this proposed commercial development. Based on the TIS, it is anticipated that the proposed commercial development will add 88 eastbound and 22 westbound vehicles in the PM peak hour. The trip assignment for this development is provided in **Appendix F**.

The resulting 2023 background traffic volumes are shown in **Figure 7**.

5.3 TOTAL TRAFFIC

The results of the traffic assignment (**Figure 6**) for the development were added to the background traffic volumes (**Figure 7**) to produce 2023 total traffic volumes for the study area, shown in **Figure 8**.

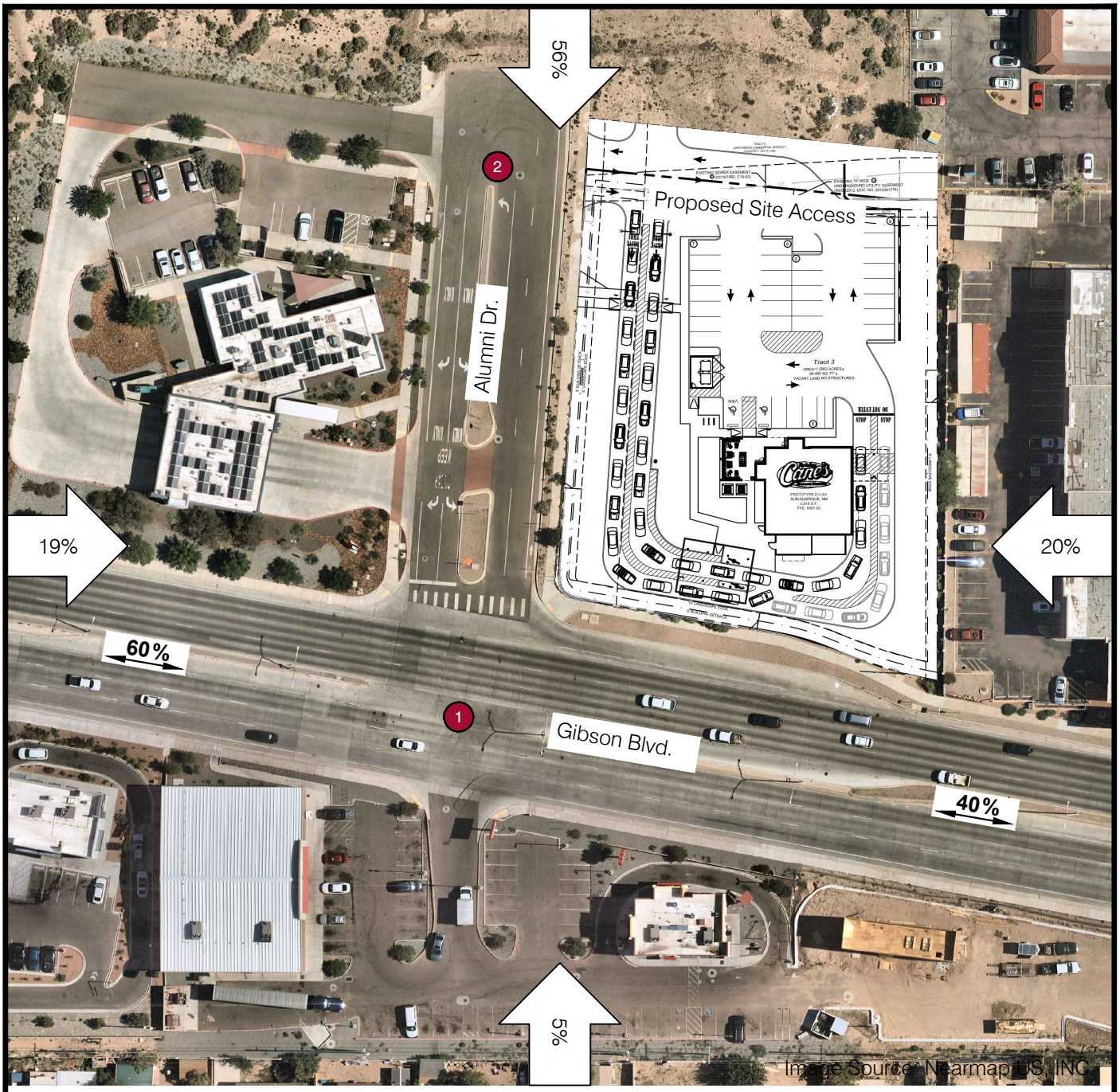

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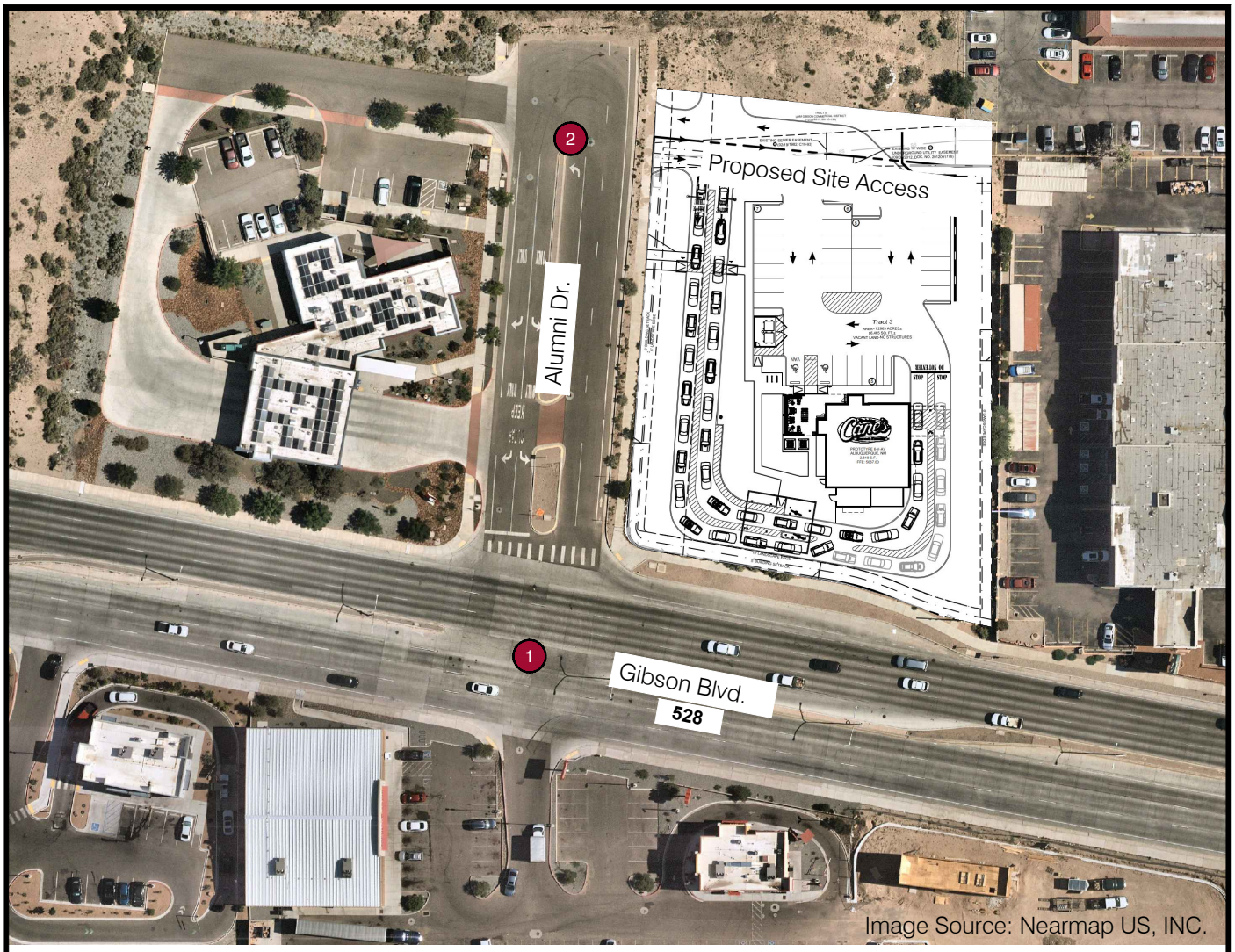
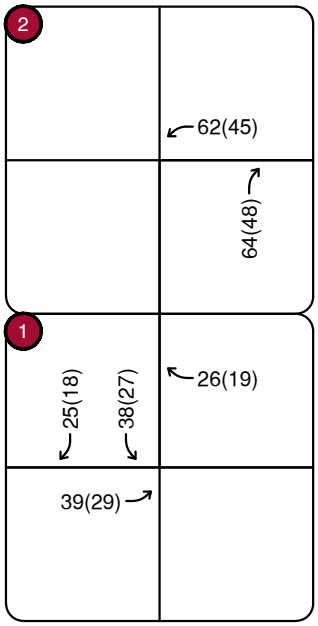
Figure 5
Trip Distribution





LEGEND	
← XX(XX)	AM(PM) PEAK HOUR TRAFFIC VOLUMES
XXXX	AVERAGE DAILY TRAFFIC VOLUMES

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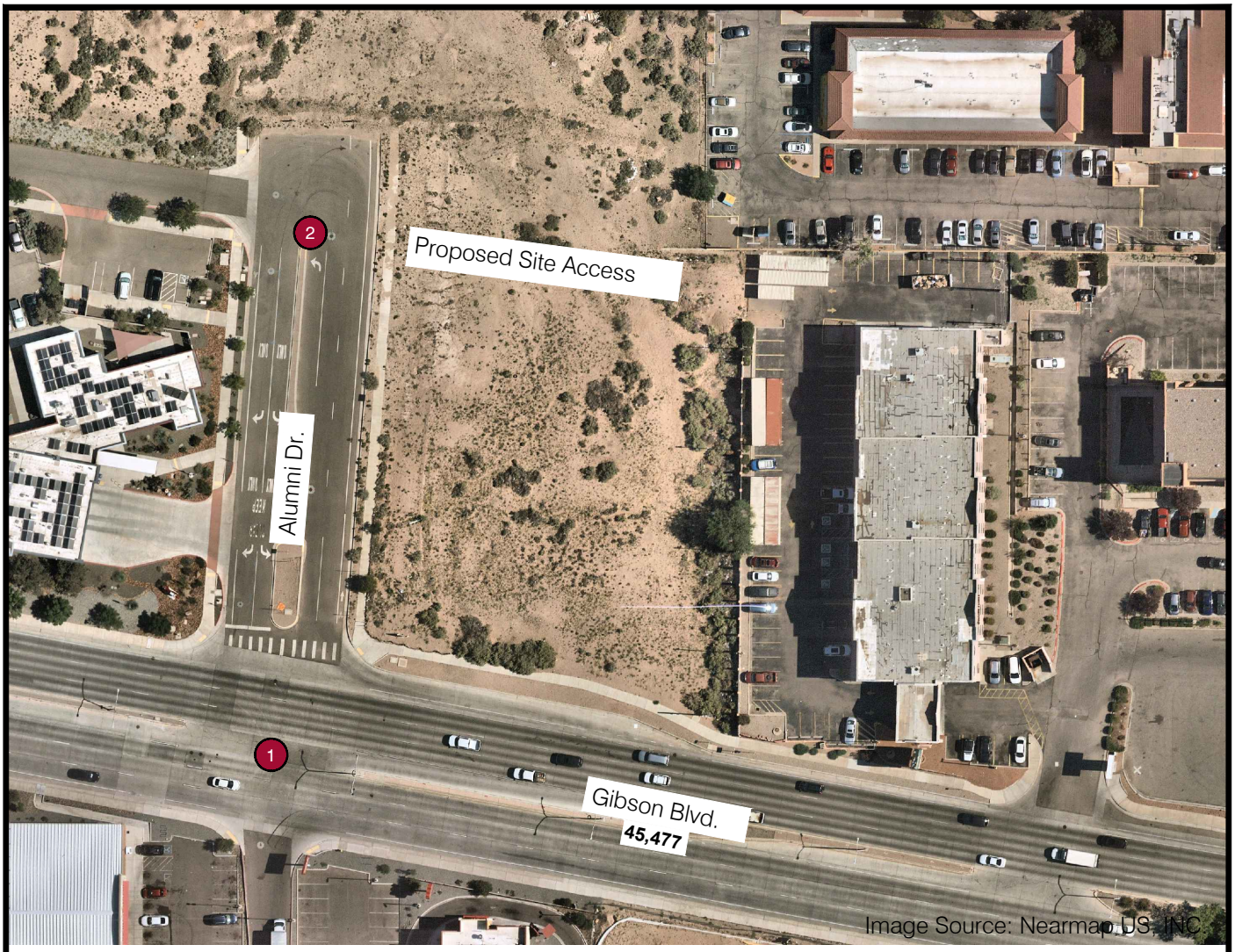
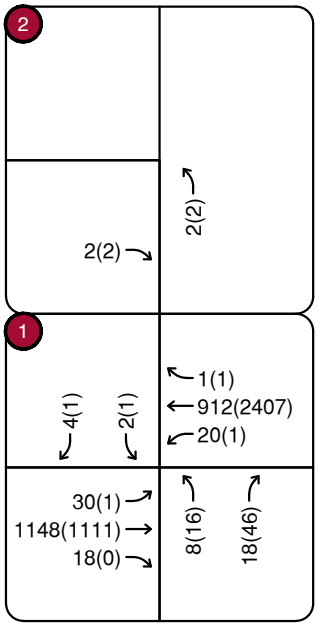
Figure 6
Site Traffic Assignment Volume





LEGEND	
← XX(XX)	AM(PM) PEAK HOUR TRAFFIC VOLUMES
XXXX	AVERAGE DAILY TRAFFIC VOLUMES

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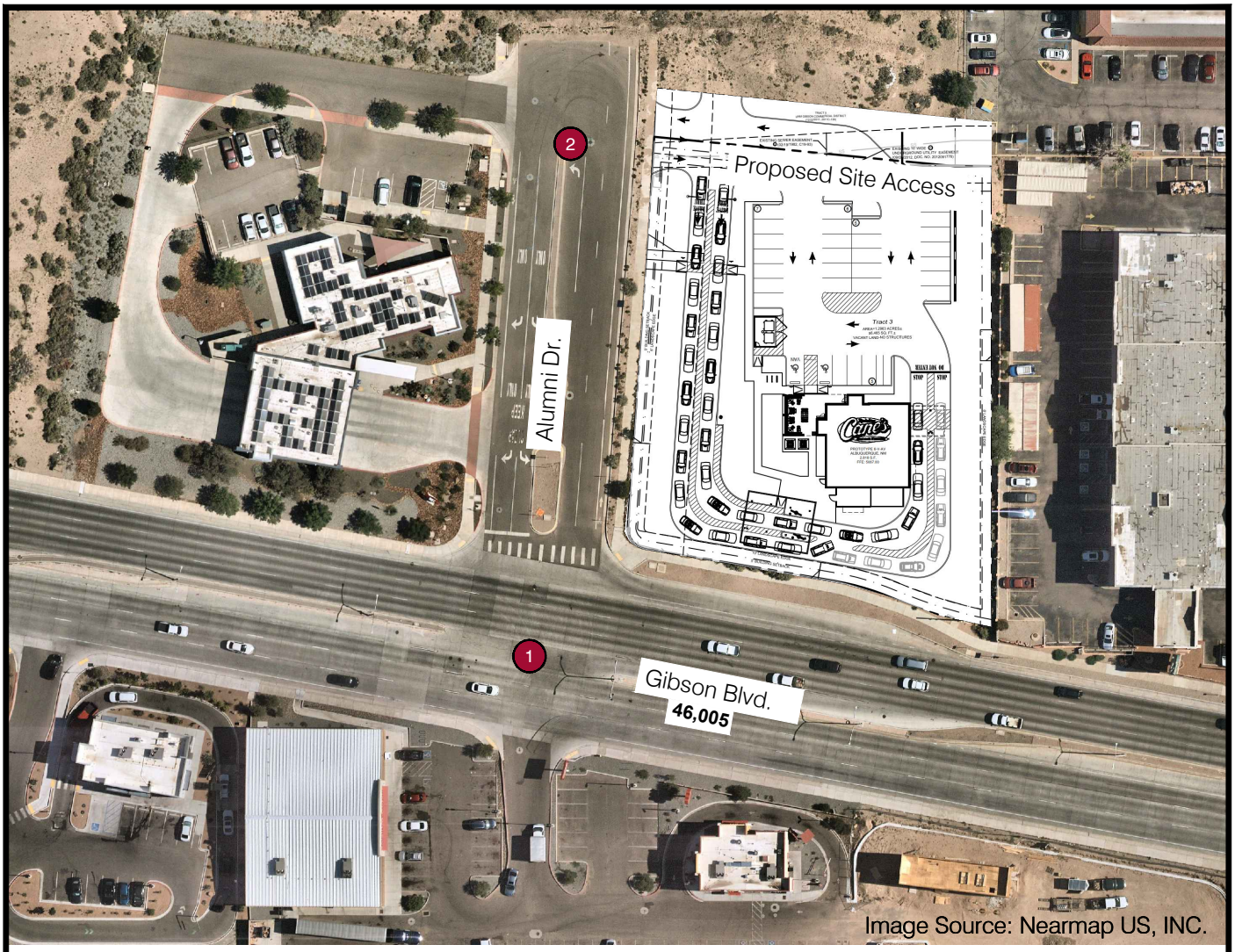
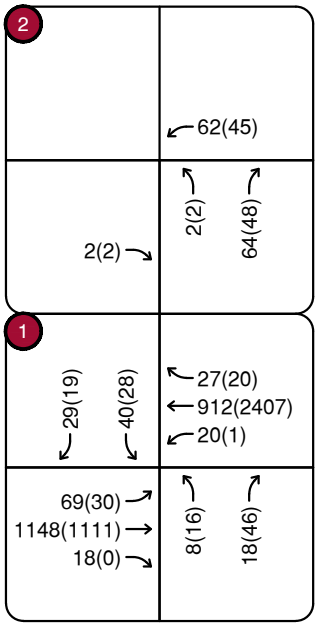
Figure 7
2023 Background Traffic Volumes





LEGEND	
← XX(XX)	AM(PM) PEAK HOUR TRAFFIC VOLUMES
XXXX	AVERAGE DAILY TRAFFIC VOLUMES

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Figure 8
2023 Total Buildout Traffic Volumes

6.0 TRAFFIC AND IMPROVEMENT ANALYSIS

6.1 LEVEL OF SERVICE ANALYSIS

The LOS for the study area intersections for 2023 was evaluated using the HCM6 methodology for unsignalized intersections using *Synchro 11* analysis software.

6.1.1 BACKGROUND TRAFFIC LEVEL OF SERVICE ANALYSIS

The study area intersections were evaluated based on the background traffic shown in **Figure 7** and the intersection geometry shown in shown in **Figure 3**. The results of the analysis are shown in **Table 4** for background year 2023. LOS analysis reports for the 2023 background traffic condition are included in **Appendix G**.

Delay is rounded to the nearest whole second. A dash (-) indicates a free movement. **Bolded** values indicate a movement is operating at a poor LOS.

Table 4. 2023 Background Traffic Level of Service and Delay

Intersection	*NB Approach*			*SB Approach*			*EB Approach*			*WB Approach*		
	L	T	R	L	T	R	L	T	R	L	T	R
1. Gibson Boulevard/Alumni Drive												
AM Peak	**F/58**		C/16	**E/43**		B/13	B/15	-		C/18	-	-
PM Peak	**F/114**		C/15	**F/306**		D/32	**F/60**	-		C/16	-	-
2. Fire Station Access/Alumni Drive												
AM Peak	A/7						A/8					
PM Peak	A/7						A/8					

The following turning movements operated with a LOS F in the AM Peak Period:

- Intersection 1 northbound left turn with 58 seconds of delay

The following turning movements operated with a LOS F in the PM Peak Period:

- Intersection 1 northbound left turn with 114 seconds of delay;
- Intersection 1 southbound right turn with 306 seconds of delay

The following turning movements operated with a LOS E in the AM Peak Period:

- Intersection 1 southbound left turn with 43 seconds of delay

All other movements operate at LOS D or better under 2023 background conditions.

6.1.2 TOTAL TRAFFIC LEVEL OF SERVICE ANALYSIS

The study area intersections were evaluated based on the total traffic shown in **Figure 8** and the recommended intersection geometry shown in shown in **Figure 9**. The results of the analysis are shown in **Table 5**. LOS analysis reports for the 2023 total traffic condition are included in **Appendix H.**

Delay is rounded to the nearest whole second. A dash (-) indicated a free movement. **Bolded** values indicate a movement is operating at a poor LOS.

Table 5. 2023 Total Traffic Level of Service and Delay

Intersection	*NB Approach*			*SB Approach*			*EB Approach*			*WB Approach*		
	L	T	R	L	T	R	L	T	R	L	T	R
1. Gibson Boulevard/Alumni Drive												
AM Peak	**F/82**		C/16	**F/192**		B/14	C/16	-		C/18	-	-
PM Peak	**F/323**		C/15	**F/2527**		**E/36**	**F/103**	-		C/16	-	-
2. Fire Station Access/Proposed Site Access/Alumni Drive												
AM Peak	A/7						A/8			A/9		
PM Peak	A/7						A/8			A/9		

The following turning movements operated with a LOS F in the AM Peak Period:

- Intersection 1 northbound left turn with 82 seconds of delay;
- Intersection 1 southbound left turn with 192 seconds of delay

The following turning movements operated with a LOS F in the PM Peak Period:

- Intersection 1 northbound left turn with 323 seconds of delay;
- Intersection 1 southbound left turn with 2,527 seconds of delay;
- Intersection 1 eastbound left turn with 103 seconds of delay

The following turning movements operated with a LOS E in the AM Peak Period:

- Intersection 1 southbound left turn with 36 seconds of delay

All movements at the Proposed Site Access are expected to operate at LOS C or better in the 2023 total traffic condition.

With project traffic, Synchro reports that the southbound left movement will have a delay over 2,500 seconds. This is due to the high eastbound and westbound traffic volumes on Gibson Boulevard. It is expected that these high volumes will not provide adequate gaps for the majority of the southbound left turning traffic to use during the PM peak period. It is expected that southbound vehicles wanting to turn left during other times of the day will be able to do so with delays and queues similar to what is experienced under existing conditions.

However, it is expected that site traffic that wants to continue eastbound on Gibson Boulevard will instead choose to make a southbound right turn instead. There is an existing westbound left turn lane located on Gibson Boulevard approximately 270ft west of the southbound right turn lane at Alumni Drive that vehicles can use to make a U-turn to continue eastbound on Gibson Boulevard. Traffic is also able to make a similar U-turn movement on the west side of the I-25 traffic interchange. The analysis shows that if all site traffic makes a southbound right movement at the Gibson Boulevard/Alumni Drive intersection, the southbound right will operate at LOS E with 46 second of delay and a 95th percentile queue of 40 feet. These analysis results are provided in **Appendix I**.

The eastbound left turn is also expected to operate at LOS F, but with 103s of delay. This scenario was also run in SimTraffic. During the microsimulation, it was observed that vehicles did queue back in the left turn lane about five vehicles and that vehicles did experience some long delays but were generally able to turn left in less than 103s as reported in the HCM report. The eastbound left turn may experience poor

LOS during the peak hour, but vehicles wishing to enter the site will be able to and based on the analysis will not queue back into eastbound through lanes on Gibson Boulevard.

A TIS for the land directly north of the project site was completed August 18, 2011. The TIS recommended several connections to existing roadways such as Avenida Cesar Chavez, University Boulevard, and Gibson Boulevard. It also recommended the signalization of Gibson Boulevard/Alumni Drive. When much more of the land gets developed between Gibson Boulevard and Avenida Cesar Chavez and University Boulevard and I-25 the signalization of Gibson Boulevard/Alumni Drive may be needed, but for the addition of this project site traffic, the analysis shows that the intersection can still operate with reasonable LOS and queueing compared to existing and background conditions. The recommendations figure from the 2011 TIS is provided in **Appendix J**.

6.2 LEFT-TURN QUEUE ANALYSIS

The queue analysis results for each impacted left-turn movement are summarized in **Table 6**. Existing left-turn lane storage lengths were obtained via satellite imagery with measurements rounded to the nearest five-foot increment. 95th percentile queue lengths were calculated using HCM6 methodology for unsignalized intersections. HCM6 reports queues as number of vehicles. An average vehicle length of 25 feet was utilized to estimate total queue length. Note that calculated values represent the movement's greatest queue length across both the AM and PM peak hours in the 2023 buildout year.

Table 6. Left-Turn Storage

Intersection and Approach	*Existing*	Calculated	Recommended
1. Gibson Boulevard / Alumni Drive			
- Eastbound Approach	200 ft	48 ft	200 ft*
- Southbound Approach	225 ft	^	225 ft
2. Proposed Site Access / Fire Station Access / Alumni Drive			
- Northbound Approach	80 ft	0 ft	80 ft*
- Westbound Approach	240 ft	5 ft	240 ft*

*Calculated value less than or equal to existing.

^ Queue expected to be longer than existing storage.

The anticipated queues are expected to fit within the existing left turn storage.

6.3 RIGHT-TURN QUEUE ANALYSIS

The queue analysis results for each dedicated right-turn movement in the study area are summarized in **Table 7**. Existing right-turn storage lengths were obtained via satellite imagery measurements rounded to the nearest five-foot increment. 95th percentile queue lengths for the 2023 buildout year were calculated using HCM methodology for unsignalized intersections. HCM reports queues as number of vehicles. An average vehicle length of 25 feet was utilized to estimate total queue length. Note that calculated values represent the movement's greatest queue length across both the AM and PM peak hours in the 2023 buildout year.

Table 7. Right-Turn Storage

Intersection and Approach	*Existing*	Calculated	Recommended
1. Gibson Boulevard / Alumni Drive			
- Westbound Approach	230 feet^^	-	230 feet
- Southbound Approach	225 feet	13 feet	225 feet*

A dash (-) indicates a free-flowing movement.

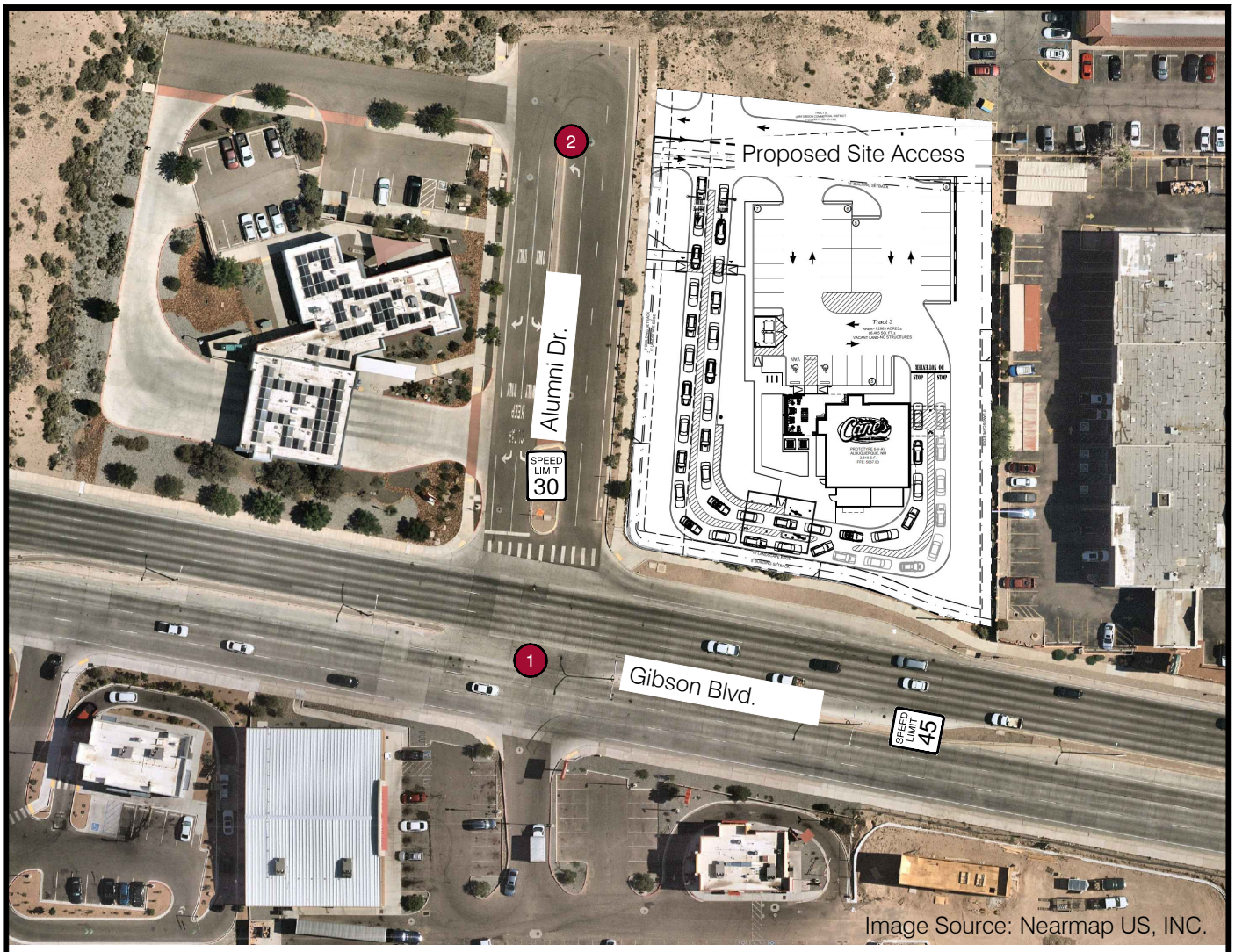
*Calculated value less than or equal to existing.

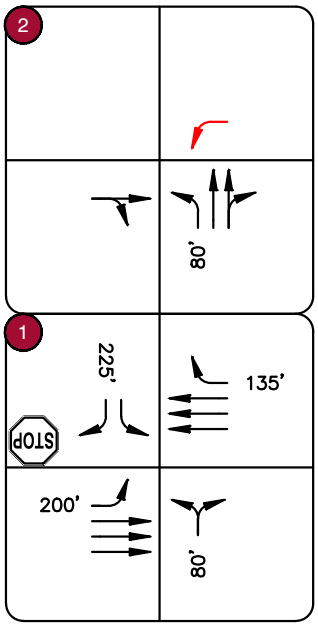
^^ Represents distance from beginning of right-turn lane stripe to curb return.

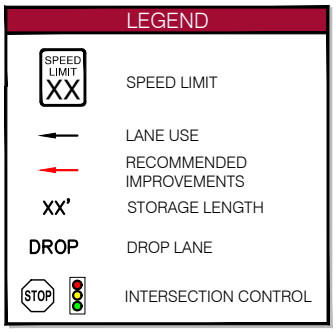
The existing right-turn storage lengths are anticipated to accommodate the expected right turn queue lengths, even if all southbound site traffic makes the southbound right movement instead of making a left turn as discussed previously.

6.4 ON-SITE CIRCULATION ANALYSIS

Kimley-Horn performed a queueing analysis of a Cane's restaurant located in Corona, California on April 5, 2019. The analysis studied three similar Cane's sites with single-lane drive-throughs located in or near a larger commercial center. The peak queue length across all studied locations and peak 15-minute periods was observed to be 17 vehicles. The proposed Cane's site has two drive-through lanes and can accommodate a total queue of over 30 vehicles. With the additional capacity and efficiency of dual drive-through lanes, the proposed drive-through is anticipated to accommodate the expected queue. Excerpts from the 2019 Kimley-Horn queueing analysis are provided in **Appendix K**.







Kimley»Horn

Figure 9
Recommended Lane Configuration and Control

7.0 CONCLUSIONS AND RECOMMENDATIONS

The proposed development is estimated to generate 1,318 daily trips, with 126 trips occurring in the AM peak hour and 93 trips occurring in the PM peak hour.

This analysis concludes that the proposed development will be accommodated by the surrounding street network, with the following findings and recommendations:

- A new site driveway is proposed to be located on the east side of Alumni Drive directly across the road from the existing Fire Station access.
- Study area intersections operate at acceptable LOS in each analysis scenario, including existing, 2023 background and total, with the following exceptions:
    - The eastbound left-turn movement at Gibson Boulevard (Intersection 1) shows LOS F with 103s of delay. This scenario was also run in SimTraffic. During the microsimulation, it was observed that vehicles did queue back about five vehicles and that vehicles did experience some long delays but were generally able to turn left in less than 103s as reported in the HCM6 report. The eastbound left turn may experience poor LOS during the peak hour, but vehicles wishing to enter the site will be able to and will not queue back into eastbound through lanes on Gibson Boulevard.
    - The southbound left-turn movement at Gibson Boulevard (Intersection 1) shows LOS F in all study scenarios during the AM and PM peak hours. It is expected that high volumes on Gibson Boulevard will not provide adequate gaps for the majority of the southbound left turning traffic to use during the peak periods. It is expected that southbound vehicles wanting to turn left during other times of the day will be able to do so with delays and queues similar to what is experienced under existing conditions.
- The existing right-turn lanes are anticipated to provide adequate right-turn storage in 2023 total traffic conditions.
- The proposed drive-through is expected to provide adequate space for on-site circulation during typical and high-traffic demands.

<u>Recommendations</u>:

- It is recommended that the new Proposed Site Access be designed and constructed as a full access drive.
- Based on the LOS and queuing analysis it is recommended that the lane configuration, storage lengths, and intersection control remain as existing at the Gibson Boulevard/Alumni Drive intersection. A traffic signal is not recommended at this intersection with this project.
- It is recommended that the project team coordinate with the fire marshal as the project moves forward due to the site's proximity to the fire station.

APPENDIX

- Appendix A: Analysis Scope
- Appendix B: Traffic Count Data
- Appendix C: Existing Synchro Reports
- Appendix D: Trip Generation
- Appendix E: Trip Distribution Map
- Appendix F: Gibson and Yale Commercial TIS Traffic Assignment
- Appendix G: 2023 Background Traffic Synchro Reports
- Appendix H: 2023 Total Traffic Synchro Reports
- Appendix I: 2023 Total Traffic with All Site Traffic Making a Southbound Right Turn Synchro Report
- Appendix J: UNM South Gibson Commercial District TIS Recommendations Figure
- Appendix K: 2019 Raising Cane's Drive-Through Queueing Analysis (Corona, CA)

APPENDIX A

ANALYSIS SCOPE

SCOPE OF TRAFFIC IMPACT STUDY (TIS)

TO: Keith Christian, PE
Kimley-Horn
1001 West Southern Avenue, Suite 131
Mesa, AZ, 85210

MEETING DATE: July 20, 2022

ATTENDEES: Keith Christian, Taylor Dunkle, Liz Willmot, Lauren Nuffer from Kimley-Horn; Matt Grush, Senior Engineer (City of Albuquerque)

PROJECT: Raising Cane's Chicken Fingers (Store C0972) – NEC Gibson Blvd and Alumni Dr, Zone Atlas #L-15-Z

REQUESTED CITY ACTION: ___ Zone Change _X_ Site Development Plan

___ Subdivision ___ Building Permit ___ Sector Plan ___ Sector Plan Amendment

___ Curb Cut Permit ___ Conditional Use ___ Annexation ___ Site Plan Amendment

ASSOCIATED APPLICATION: New 3,100 square foot Raising Cane's Chicken Fingers Drive-Thru restaurant located on the NEC of Gibson Blvd and Alumni Dr. Scope of work includes construction of a new Raising Cane's Chicken Fingers Drive-Thru restaurant and associate site improvements.

SCOPE OF REPORT:
The Traffic Impact Study should follow the standard report format, which is outlined in the DPM. The following supplemental information is provided for the preparation of this specific study.

1. Trip Generation - Use Trip Generation Manual, 11th Edition.
   - ITE Land Use Code 934 – Fast-Food Restaurant with Drive-Thru (daily weekday rate: 467.48 trips per ksf, PM weekday peak hour (4-6pm) rate: 33.03 trips per ksf)
   - *Note: Cane's will open at 10am each day, which is outside the standard 7-9am AM peak period. AM Peak Hour is not required to be evaluated.*

2. Appropriate study area:
   Signalized Intersections
   a. N/A
      Note: Signalized analysis not required because intersections are built out and there are no reasonable infrastructure improvements.

   Unsignalized Intersections;
   a. Intersection 1: Gibson Blvd and Alumni Drive
   b. Intersection 2: Alumni Drive and Project Access Driveway

3. Intersection turning movement counts
   Study Time – 4-6 p.m. weekday peak hour
   Consultant to provide for all intersections listed above.
   Note: AM counts not required based on Analysis time periods (See #1).

4. Type of intersection progression and factors to be used.

Type III arrival type (see "Highway Capacity Manual, current edition" or equivalent as approved by staff). Unless otherwise justified, peak hour factors and % heavy commercial should be taken directly from the MRCOG turning movement data provided or as calculated from current count data by consultant.

- N/A

5. Boundaries of area to be used for trip distribution.
   2-mile radius – commercial

6. Basis for trip distribution.

Commercial - Use relationship based upon population. Use population data from 2040 Socioeconomic Forecasts, MRCOG – See MRCOG website for most current data.

Commercial -
Ts = (Tt) (Sp) / (Sp)
Ts = Development to Individual Subarea Trips
Tt = Total Trips
Sp = Subarea Population

7. Traffic Assignment. Logical routing on the major street system.

8. Proposed developments which have been approved but not constructed that are to be Included in the analyses. Projects in the area include:
   a. Project 1 – SW corner of Gibson and Yale. Lauren Nuffer is working on this project and will send TIA to Albuquerque and Kimley-Horn traffic team
   b. Alumni and Gibson old TIA for review only

9. Method of intersection capacity analysis - planning or operational (see "2016 Highway Capacity Manual" or equivalent [i.e. HCS, Synchro, Teapac, etc.] as approved by staff). Must use latest version of design software and/or current edition of design manual.
   Implementation Year: 2023

10. Traffic conditions for analysis:
    a. Existing analysis _X_ yes __ no - year (2022);
    b. Project completion year without proposed development – 2023
    c. Project completion year with proposed development – 2023
    d. Other – NA

11. Background traffic growth.
    Method: use 10-year historical growth based on standard data from the MRCOG Traffic Flow Maps. Minimum growth rate to be used is 1/2%.

12. Planned (programmed) traffic improvements.
    List planned CIP improvements in study area and projected project implementation year:
    a. Potential Gibson I-25 TI improvements in the next 5 to 10 year

13. Items to be included in the study:
    a. Intersection analysis.
    b. Arterial LOS analysis;
    c. Recommended street, intersection and signal improvements.
    d. Site design features such as turning lanes, median cuts, queuing requirements and site circulation, including driveway signalization and visibility.
    e. Transportation system impacts.
    f. Other mitigating measures.
    g. Accident analyses __ yes _X_ no; Location(s): N/A
    h. Weaving analyses __ yes _X_ no; Location(s): N/A

14. Other:
    a. On-site queueing information that references data from California sites
    b. Coordinate with the Fire Department – go through Fire Marshall

SUBMITTAL REQUIREMENTS:

1. Number of copies of report required
   a. ~~1 paper copy~~
   b. 1 digital copy
2. Submittal Fee – $1300 for up to 3 reviews

The Traffic Impact Study for this development proposal, project name, shall be performed in accordance with the above criteria. If there are any questions regarding the above items, please contact me at 924-3362.

7/22/2022

Matt Grush, P.E., PTOE
Senior Engineer
City of Albuquerque, Planning
Transportation Development Section

Date

via: email

C: TIS Task Force Attendees, file

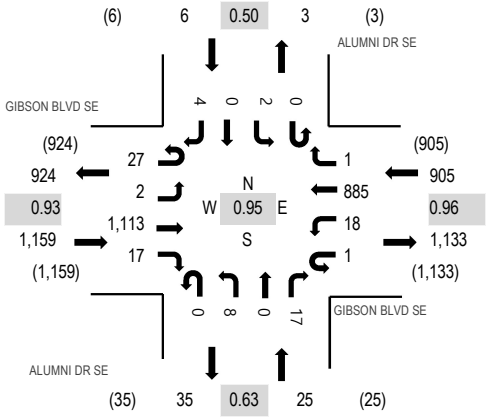
APPENDIX B

TRAFFIC COUNT DATA

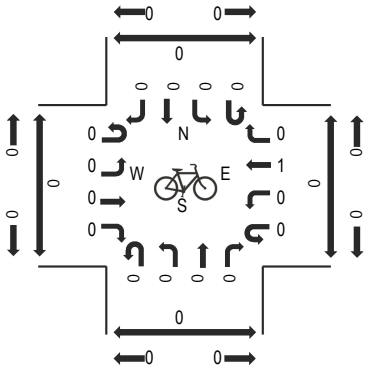
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 1 ALUMNI DR SE & GIBSON BLVD SE AM
Date: Tuesday, June 27, 2023
Peak Hour: 09:00 AM - 10:00 AM
Peak 15-Minutes: 09:00 AM - 09:15 AM

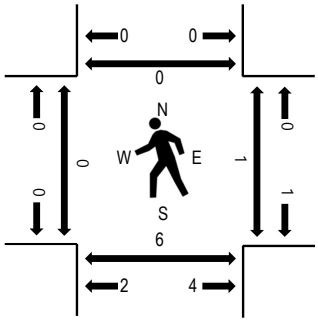
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

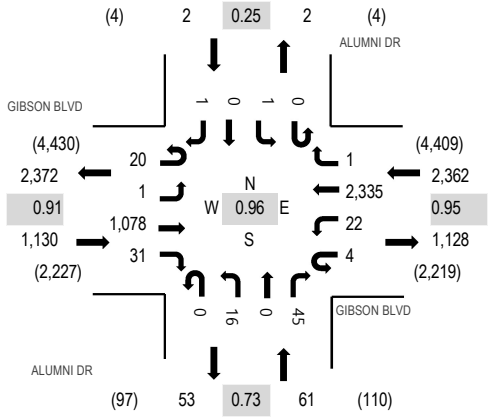
Traffic Counts - Motorized Vehicles

Interval Start Time	GIBSON BLVD SE Eastbound				GIBSON BLVD SE Westbound				ALUMNI DR SE Northbound				ALUMNI DR SE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
9:00 AM	7	0	299	7	1	7	228	0	0	1	0	2	0	0	0	1	553	2,095	0	0	1	0
9:15 AM	5	1	272	4	0	3	218	0	0	3	0	7	0	0	0	0	513		0	0	2	0
9:30 AM	12	1	255	2	0	4	231	0	0	3	0	5	0	0	0	2	515		0	1	1	0
9:45 AM	3	0	287	4	0	4	208	1	0	1	0	3	0	2	0	1	514		0	0	2	0
Count Total	27	2	1,113	17	1	18	885	1	0	8	0	17	0	2	0	4	2,095		0	1	6	0
Peak Hour	27	2	1,113	17	1	18	885	1	0	8	0	17	0	2	0	4	2,095		0	1	6	0

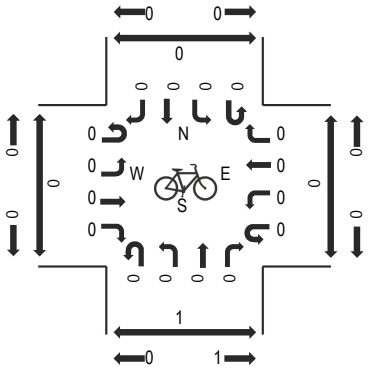
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 1 ALUMNI DR & GIBSON BLVD PM
Date: Tuesday, August 2, 2022
Peak Hour: 04:00 PM - 05:00 PM
Peak 15-Minutes: 04:15 PM - 04:30 PM

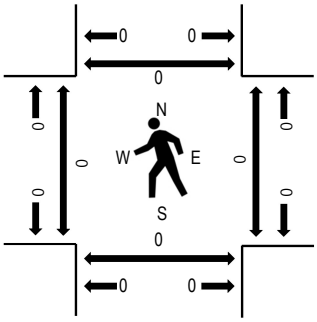
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	GIBSON BLVD Eastbound				GIBSON BLVD Westbound				ALUMNI DR Northbound				ALUMNI DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	7	0	271	7	2	2	589	0	0	2	0	11	0	0	0	0	891	3,555	0	0	0	0
4:15 PM	3	0	280	8	1	9	611	0	0	4	0	9	0	0	0	0	925	3,480	0	0	0	0
4:30 PM	7	1	250	8	0	4	582	0	0	2	0	12	0	0	0	1	867	3,480	0	0	0	0
4:45 PM	3	0	277	8	1	7	553	1	0	8	0	13	0	1	0	0	872	3,384	0	0	0	0
5:00 PM	3	0	258	4	2	4	536	0	0	4	0	5	0	0	0	0	816	3,195	0	0	0	0
5:15 PM	7	0	303	7	0	6	590	0	0	3	0	9	0	0	0	0	925		0	0	2	0
5:30 PM	5	0	272	7	1	4	467	0	0	6	0	9	0	0	0	0	771		0	0	0	0
5:45 PM	3	2	221	5	2	7	428	0	0	5	0	8	0	1	0	1	683		0	0	0	0
Count Total	38	3	2,132	54	9	43	4,356	1	0	34	0	76	0	2	0	2	6,750		0	0	2	0
Peak Hour	20	1	1,078	31	4	22	2,335	1	0	16	0	45	0	1	0	1	3,555		0	0	0	0

APPENDIX C

EXISTING SYNCHRO REPORTS

Intersection	
Int Delay, s/veh	1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	29	1113	17	19	885	1	8	0	17	2	0	4
Future Vol, veh/h	29	1113	17	19	885	1	8	0	17	2	0	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	200	-	-	150	-	135	80	-	-	0	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	96	96	96	63	63	63	50	50	50
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	31	1197	18	20	922	1	13	0	27	4	0	8

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	923	0	0	1215	0	0	1677	-	608	1503	-	461
Stage 1	-	-	-	-	-	-	1268	-	-	962	-	-
Stage 2	-	-	-	-	-	-	409	-	-	541	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	-	7.14	6.44	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	-	-	7.34	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	-	-	6.74	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	-	3.92	3.82	-	3.92
Pot Cap-1 Maneuver	426	-	-	308	-	-	100	0	376	128	0	468
Stage 1	-	-	-	-	-	-	129	0	-	212	0	-
Stage 2	-	-	-	-	-	-	540	0	-	450	0	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	426	-	-	308	-	-	88	-	376	107	-	468
Mov Cap-2 Maneuver	-	-	-	-	-	-	88	-	-	107	-	-
Stage 1	-	-	-	-	-	-	120	-	-	197	-	-
Stage 2	-	-	-	-	-	-	496	-	-	387	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	0.4	27.3	21.8
HCM LOS			D	C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	88	376	426	-	-	308	-	-	107	468
HCM Lane V/C Ratio	0.144	0.072	0.073	-	-	0.064	-	-	0.037	0.017
HCM Control Delay (s)	52.7	15.3	14.1	-	-	17.5	-	-	39.9	12.8
HCM Lane LOS	F	C	B	-	-	C	-	-	E	B
HCM 95th %tile Q(veh)	0.5	0.2	0.2	-	-	0.2	-	-	0.1	0.1

Intersection	
Int Delay, s/veh	6.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	2	0	0	0	2	0	0	0	0	0
Future Vol, veh/h	0	0	2	0	0	0	2	0	0	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	0	-	-	80	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	2	0	0	0	2	0	0	0	0	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	5	5	1	5	-	-	1	0	0	-	-	0
Stage 1	1	1	-	4	-	-	-	-	-	-	-	-
Stage 2	4	4	-	1	-	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	-	-	4.14	-	-	-	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	-	-	2.22	-	-	-	-	-
Pot Cap-1 Maneuver	1015	890	1083	1015	0	0	1620	-	-	0	-	0
Stage 1	1021	895	-	1017	0	0	-	-	-	0	-	0
Stage 2	1017	892	-	1021	0	0	-	-	-	0	-	0
Platoon blocked, %								-	-		-	
Mov Cap-1 Maneuver	1014	889	1083	1012	-	-	1620	-	-	-	-	-
Mov Cap-2 Maneuver	1014	889	-	1012	-	-	-	-	-	-	-	-
Stage 1	1020	895	-	1016	-	-	-	-	-	-	-	-
Stage 2	1016	891	-	1019	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.3	0	7.2	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBT
Capacity (veh/h)	1620	-	-	1083	-	-
HCM Lane V/C Ratio	0.001	-	-	0.002	-	-
HCM Control Delay (s)	7.2	-	-	8.3	0	-
HCM Lane LOS	A	-	-	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	-	-

Intersection	
Int Delay, s/veh	1.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	1	1078	0	1	2335	1	16	0	45	1	0	1
Future Vol, veh/h	1	1078	0	1	2335	1	16	0	45	1	0	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	200	-	-	150	-	135	80	-	-	0	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	95	95	95	73	73	73	50	50	50
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	1111	0	1	2458	1	22	0	62	2	0	2

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	2459	0	0	1111	0	0	2098	-	556	2906	-	1229
Stage 1	-	-	-	-	-	-	1113	-	-	2460	-	-
Stage 2	-	-	-	-	-	-	985	-	-	446	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	-	7.14	6.44	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	-	-	7.34	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	-	-	6.74	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	-	3.92	3.82	-	3.92
Pot Cap-1 Maneuver	73	-	-	346	-	-	55	0	406	17	0	146
Stage 1	-	-	-	-	-	-	166	0	-	18	0	-
Stage 2	-	-	-	-	-	-	240	0	-	513	0	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	73	-	-	346	-	-	54	-	406	14	-	146
Mov Cap-2 Maneuver	-	-	-	-	-	-	54	-	-	14	-	-
Stage 1	-	-	-	-	-	-	164	-	-	18	-	-
Stage 2	-	-	-	-	-	-	236	-	-	429	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0	40.6	165.6
HCM LOS			E	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	54	406	73	-	-	346	-	-	14	146
HCM Lane V/C Ratio	0.406	0.152	0.014	-	-	0.003	-	-	0.143	0.014
HCM Control Delay (s)	111.3	15.4	55	-	-	15.4	-	-	$ 301.1	30
HCM Lane LOS	F	C	F	-	-	C	-	-	F	D
HCM 95th %tile Q(veh)	1.5	0.5	0	-	-	0	-	-	0.4	0

Intersection	
Int Delay, s/veh	6.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	2	0	0	0	2	0	0	0	0	0
Future Vol, veh/h	0	0	2	0	0	0	2	0	0	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	0	-	-	80	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	2	0	0	0	2	0	0	0	0	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	5	5	1	5	-	-	1	0	0	-	-	0
Stage 1	1	1	-	4	-	-	-	-	-	-	-	-
Stage 2	4	4	-	1	-	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	-	-	4.14	-	-	-	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	-	-	2.22	-	-	-	-	-
Pot Cap-1 Maneuver	1015	890	1083	1015	0	0	1620	-	-	0	-	0
Stage 1	1021	895	-	1017	0	0	-	-	-	0	-	0
Stage 2	1017	892	-	1021	0	0	-	-	-	0	-	0
Platoon blocked, %								-	-		-	
Mov Cap-1 Maneuver	1014	889	1083	1012	-	-	1620	-	-	-	-	-
Mov Cap-2 Maneuver	1014	889	-	1012	-	-	-	-	-	-	-	-
Stage 1	1020	895	-	1016	-	-	-	-	-	-	-	-
Stage 2	1016	891	-	1019	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.3	0	7.2	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBT
Capacity (veh/h)	1620	-	-	1083	-	-
HCM Lane V/C Ratio	0.001	-	-	0.002	-	-
HCM Control Delay (s)	7.2	-	-	8.3	0	-
HCM Lane LOS	A	-	-	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	-	-

APPENDIX D

TRIP GENERATION

Trip Generation Planner (ITE 11th Edition) - Summary Report

Kimley»Horn

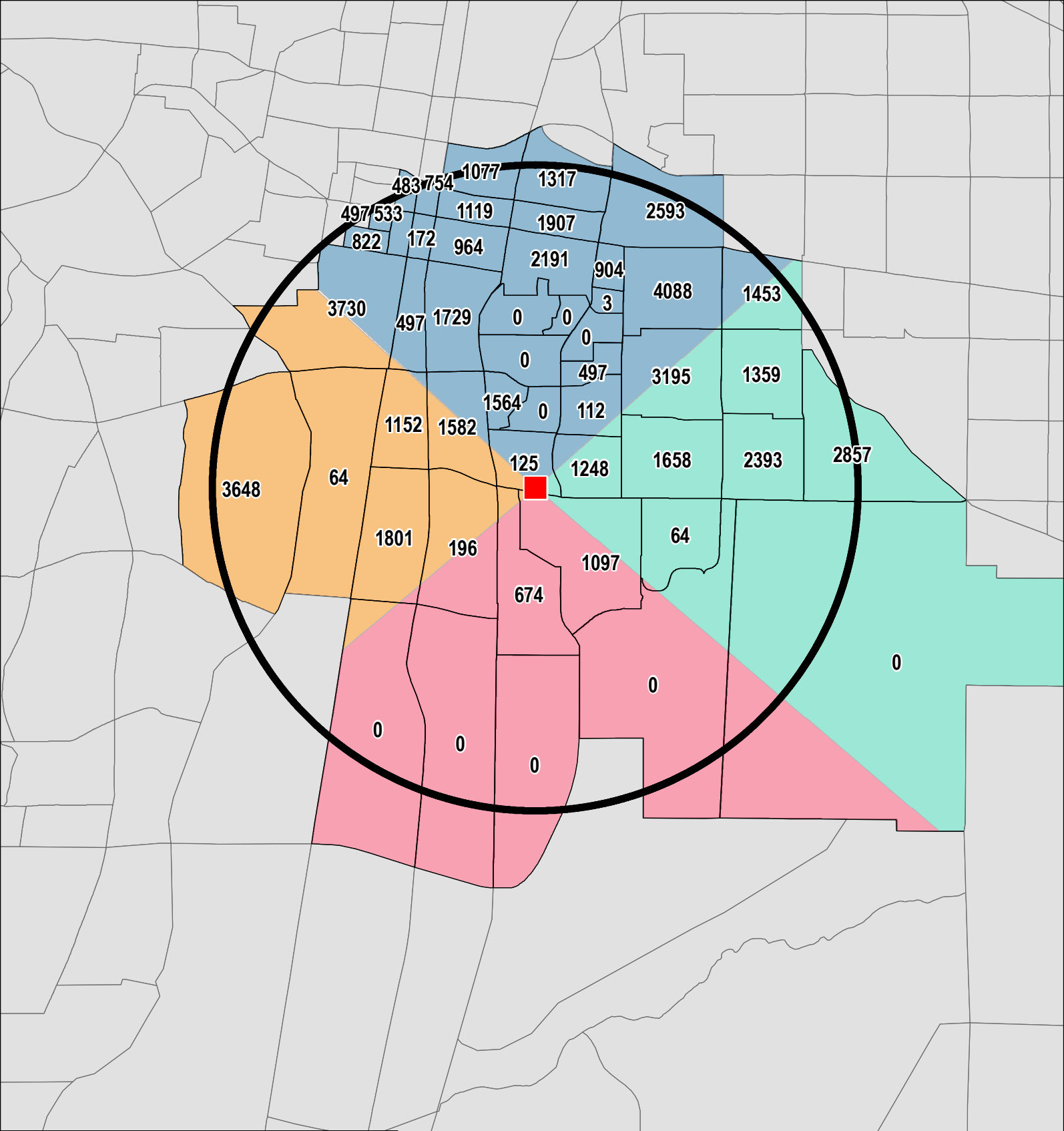
Weekday Trip Generation
Trips Based on Average Rates/Equations

Project Name **SEC I-25 & Paseo Del Norte Blvd**
Project Number **090042001**

ITE Code	Internal Capture Land Use	Land Use Description	Independent Variable	Setting/Location	No. of Units	Avg Rate or Eq	Rates			Total Trips						
							Daily Rate	AM Rate	PM Rate	Daily Trips	AM Trips	PM Trips	AM Trips In	AM Trips Out	PM Trips In	PM Trips Out
934	Select Use	Fast-Food Restaurant w/ D.T.	1,000 Sq Ft	General Urban/Suburban	2.818	Avg	467.48	44.61	33.03	1,318	126	93	64	62	48	45

APPENDIX E

TRIP DISTRIBUTION MAP



Trip Distribution Foundation

Site

2-Mile Radius

X,XXX 2040 Population

Zone

East

North

South

West

Zone	2040 Population	Distribution
North	29,198	56%
South	2,297	4%
East	10,628	20%
West	9,888	19%
Total	**52,011**	

APPENDIX F

GIBSON AND YALE COMMERCIAL TIS TRAFFIC ASSIGNMENT

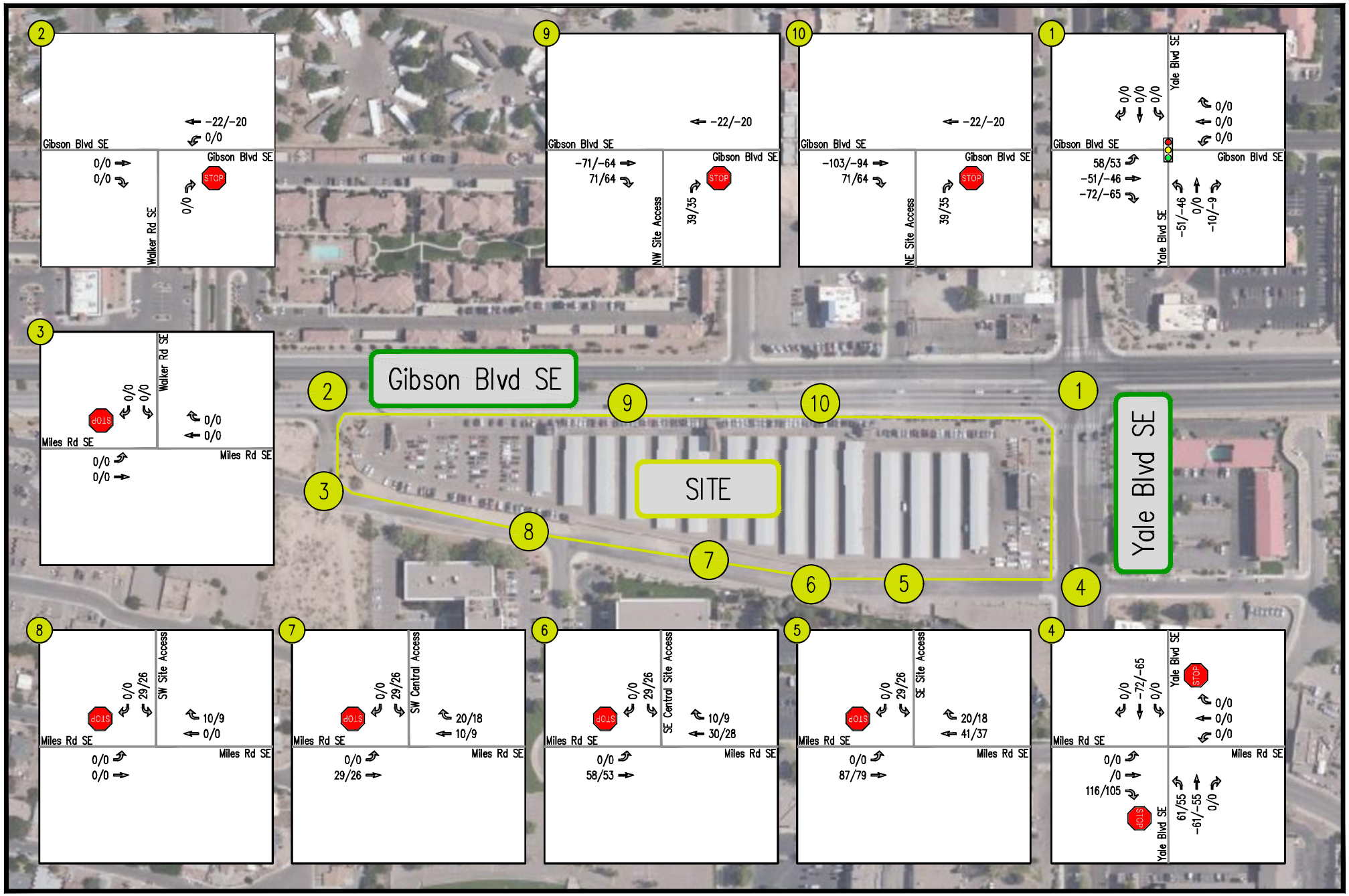


FIGURE 5–2
Pass–by Trips

Gibson Yale
Albuquerque, NM

(A/A) INTERSECTION LOS

0000/0000 (AM PEAK HOUR/PM PEAK HOUR)

MOVEMENT

SIGNALIZED INTERSECTION

STOP STOP SIGN

YIELD SIGN

N

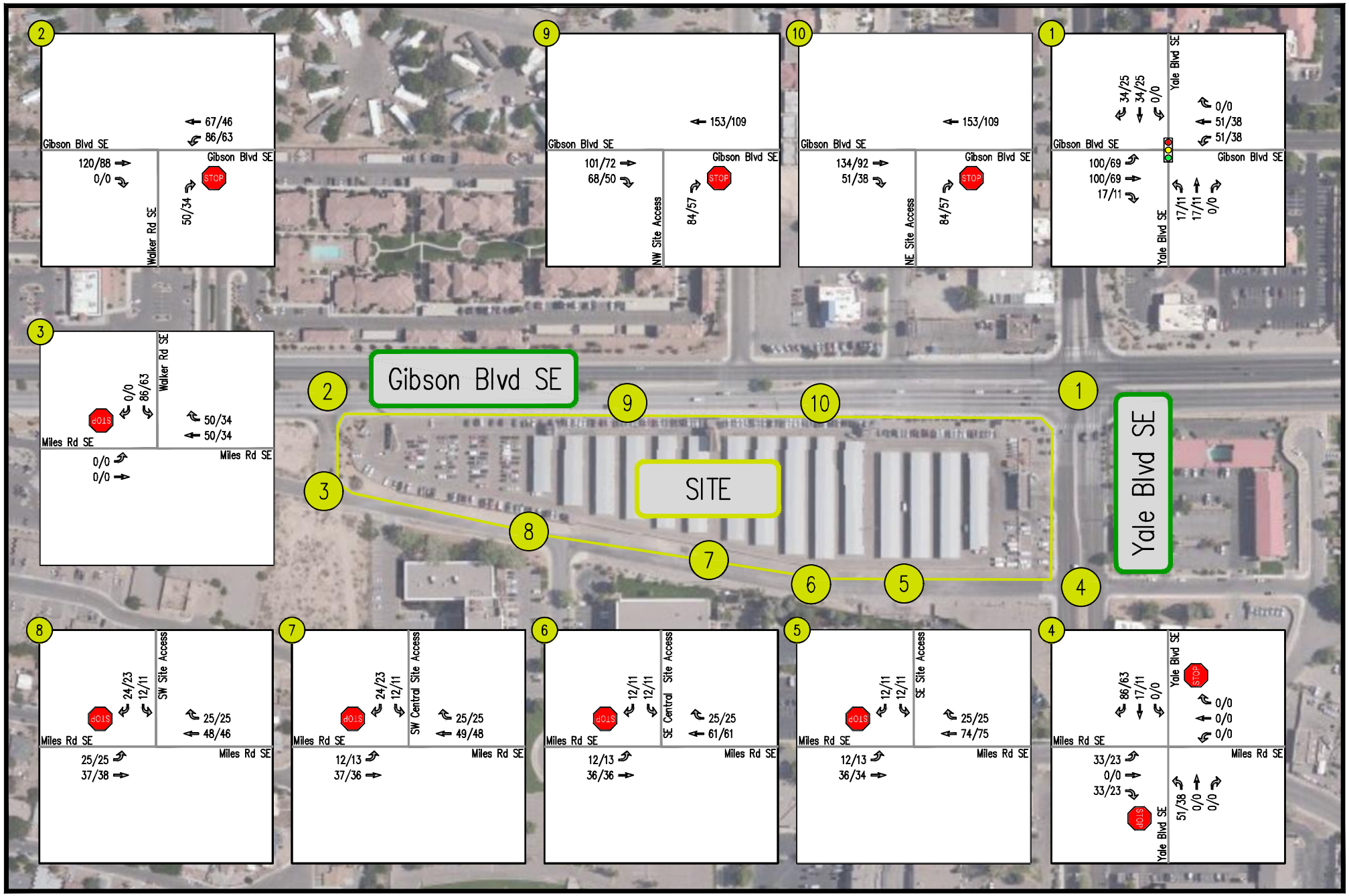


FIGURE 5–3
Site Trips

Gibson Yale
Albuquerque, NM

(A/A) INTERSECTION LOS

0000/0000 (AM PEAK HOUR/PM PEAK HOUR)

MOVEMENT

SIGNALIZED INTERSECTION

STOP SIGN

YIELD SIGN

N

APPENDIX G

2023 BACKGROUND TRAFFIC SYNCHRO REPORTS

Intersection	
Int Delay, s/veh	1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	30	1148	18	20	912	1	8	0	18	2	0	4
Future Vol, veh/h	30	1148	18	20	912	1	8	0	18	2	0	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	200	-	-	150	-	135	80	-	-	0	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	96	96	96	63	63	63	50	50	50
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	32	1234	19	21	950	1	13	0	29	4	0	8

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	951	0	0	1253	0	0	1730	-	627	1550	-	475
Stage 1	-	-	-	-	-	-	1308	-	-	992	-	-
Stage 2	-	-	-	-	-	-	422	-	-	558	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	-	7.14	6.44	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	-	-	7.34	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	-	-	6.74	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	-	3.92	3.82	-	3.92
Pot Cap-1 Maneuver	413	-	-	295	-	-	93	0	365	120	0	459
Stage 1	-	-	-	-	-	-	121	0	-	202	0	-
Stage 2	-	-	-	-	-	-	531	0	-	439	0	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	413	-	-	295	-	-	81	-	365	99	-	459
Mov Cap-2 Maneuver	-	-	-	-	-	-	81	-	-	99	-	-
Stage 1	-	-	-	-	-	-	112	-	-	186	-	-
Stage 2	-	-	-	-	-	-	485	-	-	373	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	0.4	28.6	23
HCM LOS			D	C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	81	365	413	-	-	295	-	-	99	459
HCM Lane V/C Ratio	0.157	0.078	0.078	-	-	0.071	-	-	0.04	0.017
HCM Control Delay (s)	57.5	15.7	14.5	-	-	18.1	-	-	42.9	13
HCM Lane LOS	F	C	B	-	-	C	-	-	E	B
HCM 95th %tile Q(veh)	0.5	0.3	0.3	-	-	0.2	-	-	0.1	0.1

Intersection	
Int Delay, s/veh	6.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	2	0	0	0	2	0	0	0	0	0
Future Vol, veh/h	0	0	2	0	0	0	2	0	0	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	0	-	-	80	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	2	0	0	0	2	0	0	0	0	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	5	5	1	5	-	-	1	0	0	-	-	0
Stage 1	1	1	-	4	-	-	-	-	-	-	-	-
Stage 2	4	4	-	1	-	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	-	-	4.14	-	-	-	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	-	-	2.22	-	-	-	-	-
Pot Cap-1 Maneuver	1015	890	1083	1015	0	0	1620	-	-	0	-	0
Stage 1	1021	895	-	1017	0	0	-	-	-	0	-	0
Stage 2	1017	892	-	1021	0	0	-	-	-	0	-	0
Platoon blocked, %								-	-		-	
Mov Cap-1 Maneuver	1014	889	1083	1012	-	-	1620	-	-	-	-	-
Mov Cap-2 Maneuver	1014	889	-	1012	-	-	-	-	-	-	-	-
Stage 1	1020	895	-	1016	-	-	-	-	-	-	-	-
Stage 2	1016	891	-	1019	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.3	0	7.2	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBT
Capacity (veh/h)	1620	-	-	1083	-	-
HCM Lane V/C Ratio	0.001	-	-	0.002	-	-
HCM Control Delay (s)	7.2	-	-	8.3	0	-
HCM Lane LOS	A	-	-	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	-	-

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	1	1111	0	1	2407	1	16	0	46	1	0	1
Future Vol, veh/h	1	1111	0	1	2407	1	16	0	46	1	0	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	200	-	-	150	-	135	80	-	-	0	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	92	92	95	95	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	1145	0	1	2534	1	17	0	50	1	0	1

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	2535	0	0	1145	0	0	2163	-	573	2996	-	1267
Stage 1	-	-	-	-	-	-	1147	-	-	2536	-	-
Stage 2	-	-	-	-	-	-	1016	-	-	460	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	-	7.14	6.44	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	-	-	7.34	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	-	-	6.74	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	-	3.92	3.82	-	3.92
Pot Cap-1 Maneuver	66	-	-	333	-	-	50	0	396	15	0	137
Stage 1	-	-	-	-	-	-	157	0	-	15	0	-
Stage 2	-	-	-	-	-	-	230	0	-	503	0	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	66	-	-	333	-	-	49	-	396	13	-	137
Mov Cap-2 Maneuver	-	-	-	-	-	-	49	-	-	13	-	-
Stage 1	-	-	-	-	-	-	155	-	-	15	-	-
Stage 2	-	-	-	-	-	-	227	-	-	433	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0	40.9	168.7
HCM LOS			E	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	49	396	66	-	-	333	-	-	13	137
HCM Lane V/C Ratio	0.355	0.126	0.016	-	-	0.003	-	-	0.084	0.008
HCM Control Delay (s)	114.4	15.4	60.4	-	-	15.8	-	-	$ 305.8	31.5
HCM Lane LOS	F	C	F	-	-	C	-	-	F	D
HCM 95th %tile Q(veh)	1.3	0.4	0	-	-	0	-	-	0.2	0

Intersection	
Int Delay, s/veh	6.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	2	0	0	0	2	0	0	0	0	0
Future Vol, veh/h	0	0	2	0	0	0	2	0	0	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	0	-	-	80	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	2	0	0	0	2	0	0	0	0	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	5	5	1	5	-	-	1	0	0	-	-	0
Stage 1	1	1	-	4	-	-	-	-	-	-	-	-
Stage 2	4	4	-	1	-	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	-	-	4.14	-	-	-	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	-	-	2.22	-	-	-	-	-
Pot Cap-1 Maneuver	1015	890	1083	1015	0	0	1620	-	-	0	-	0
Stage 1	1021	895	-	1017	0	0	-	-	-	0	-	0
Stage 2	1017	892	-	1021	0	0	-	-	-	0	-	0
Platoon blocked, %								-	-		-	
Mov Cap-1 Maneuver	1014	889	1083	1012	-	-	1620	-	-	-	-	-
Mov Cap-2 Maneuver	1014	889	-	1012	-	-	-	-	-	-	-	-
Stage 1	1020	895	-	1016	-	-	-	-	-	-	-	-
Stage 2	1016	891	-	1019	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.3	0	7.2	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBT
Capacity (veh/h)	1620	-	-	1083	-	-
HCM Lane V/C Ratio	0.001	-	-	0.002	-	-
HCM Control Delay (s)	7.2	-	-	8.3	0	-
HCM Lane LOS	A	-	-	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	-	-

APPENDIX H

2023 TOTAL TRAFFIC SYNCHRO REPORTS

Intersection	
Int Delay, s/veh	7.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	69	1148	18	20	912	27	8	0	18	40	0	29
Future Vol, veh/h	69	1148	18	20	912	27	8	0	18	40	0	29
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	200	-	-	150	-	135	80	-	-	0	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	96	96	96	63	63	63	50	50	50
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	74	1234	19	21	950	28	13	0	29	80	0	58

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	978	0	0	1253	0	0	1814	-	627	1634	-	475
Stage 1	-	-	-	-	-	-	1392	-	-	992	-	-
Stage 2	-	-	-	-	-	-	422	-	-	642	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	-	7.14	6.44	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	-	-	7.34	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	-	-	6.74	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	-	3.92	3.82	-	3.92
Pot Cap-1 Maneuver	401	-	-	295	-	-	83	0	365	107	0	459
Stage 1	-	-	-	-	-	-	106	0	-	202	0	-
Stage 2	-	-	-	-	-	-	531	0	-	391	0	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	401	-	-	295	-	-	59	-	365	80	-	459
Mov Cap-2 Maneuver	-	-	-	-	-	-	59	-	-	80	-	-
Stage 1	-	-	-	-	-	-	86	-	-	165	-	-
Stage 2	-	-	-	-	-	-	431	-	-	294	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.9	0.4	36.1	117.4
HCM LOS			E	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	59	365	401	-	-	295	-	-	80	459
HCM Lane V/C Ratio	0.215	0.078	0.185	-	-	0.071	-	-	1	0.126
HCM Control Delay (s)	82	15.7	16	-	-	18.1	-	-	192.3	14
HCM Lane LOS	F	C	C	-	-	C	-	-	F	B
HCM 95th %tile Q(veh)	0.7	0.3	0.7	-	-	0.2	-	-	5.5	0.4

Intersection	
Int Delay, s/veh	4.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	2	62	0	0	2	0	64	0	0	0
Future Vol, veh/h	0	0	2	62	0	0	2	0	64	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	0	-	-	80	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	2	67	0	0	2	0	70	0	0	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	5	75	1	40	-	-	1	0	0	-	-	0
Stage 1	1	1	-	39	-	-	-	-	-	-	-	-
Stage 2	4	74	-	1	-	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	-	-	4.14	-	-	-	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	-	-	2.22	-	-	-	-	-
Pot Cap-1 Maneuver	1015	815	1083	959	0	0	1620	-	-	0	-	0
Stage 1	1021	895	-	971	0	0	-	-	-	0	-	0
Stage 2	1017	833	-	1021	0	0	-	-	-	0	-	0
Platoon blocked, %								-	-		-	
Mov Cap-1 Maneuver	1014	814	1083	956	-	-	1620	-	-	-	-	-
Mov Cap-2 Maneuver	1014	814	-	956	-	-	-	-	-	-	-	-
Stage 1	1020	895	-	970	-	-	-	-	-	-	-	-
Stage 2	1016	832	-	1019	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.3	9.1	0.2	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBT
Capacity (veh/h)	1620	-	-	1083	956	-
HCM Lane V/C Ratio	0.001	-	-	0.002	0.07	-
HCM Control Delay (s)	7.2	-	-	8.3	9.1	-
HCM Lane LOS	A	-	-	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	0.2	-

Intersection	
Int Delay, s/veh	22.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	30	1111	0	1	2407	20	16	0	46	28	0	19
Future Vol, veh/h	30	1111	0	1	2407	20	16	0	46	28	0	19
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	200	-	-	150	-	135	80	-	-	0	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	92	92	95	95	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	31	1145	0	1	2534	21	17	0	50	30	0	21

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	2555	0	0	1145	0	0	2223	-	573	3056	-	1267
Stage 1	-	-	-	-	-	-	1207	-	-	2536	-	-
Stage 2	-	-	-	-	-	-	1016	-	-	520	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	-	7.14	6.44	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	-	-	7.34	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	-	-	6.74	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	-	3.92	3.82	-	3.92
Pot Cap-1 Maneuver	65	-	-	333	-	-	46	0	396	~ 13	0	137
Stage 1	-	-	-	-	-	-	143	0	-	~ 15	0	-
Stage 2	-	-	-	-	-	-	230	0	-	463	0	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	65	-	-	333	-	-	24	-	396	~ 7	-	137
Mov Cap-2 Maneuver	-	-	-	-	-	-	24	-	-	~ 7	-	-
Stage 1	-	-	-	-	-	-	75	-	-	~ 8	-	-
Stage 2	-	-	-	-	-	-	195	-	-	212	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	2.7	0	94.7	$ 1520
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	24	396	65	-	-	333	-	-	7	137
HCM Lane V/C Ratio	0.725	0.126	0.476	-	-	0.003	-	-	4.348	0.151
HCM Control Delay (s)	$ 322.7	15.4	103	-	-	15.8	-	-	$ 2527	35.9
HCM Lane LOS	F	C	F	-	-	C	-	-	F	E
HCM 95th %tile Q(veh)	2.2	0.4	1.9	-	-	0	-	-	5.1	0.5

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	4.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	2	45	0	0	2	0	48	0	0	0
Future Vol, veh/h	0	0	2	45	0	0	2	0	48	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	0	-	-	80	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	2	49	0	0	2	0	52	0	0	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	5	57	1	31	-	-	1	0	0	-	-	0
Stage 1	1	1	-	30	-	-	-	-	-	-	-	-
Stage 2	4	56	-	1	-	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	-	-	4.14	-	-	-	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	-	-	2.22	-	-	-	-	-
Pot Cap-1 Maneuver	1015	833	1083	973	0	0	1620	-	-	0	-	0
Stage 1	1021	895	-	983	0	0	-	-	-	0	-	0
Stage 2	1017	848	-	1021	0	0	-	-	-	0	-	0
Platoon blocked, %								-	-		-	
Mov Cap-1 Maneuver	1014	832	1083	970	-	-	1620	-	-	-	-	-
Mov Cap-2 Maneuver	1014	832	-	970	-	-	-	-	-	-	-	-
Stage 1	1020	895	-	982	-	-	-	-	-	-	-	-
Stage 2	1016	847	-	1019	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.3	8.9	0.3	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBT
Capacity (veh/h)	1620	-	-	1083	970	-
HCM Lane V/C Ratio	0.001	-	-	0.002	0.05	-
HCM Control Delay (s)	7.2	-	-	8.3	8.9	-
HCM Lane LOS	A	-	-	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	0.2	-

APPENDIX I

2023 TOTAL TRAFFIC WITH ALL SITE TRAFFIC MAKING A SOUTHBOUND RIGHT TURN SYNCHRO REPORT

Intersection	
Int Delay, s/veh	2.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	69	1148	18	20	912	27	8	0	18	0	0	69
Future Vol, veh/h	69	1148	18	20	912	27	8	0	18	0	0	69
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	200	-	-	150	-	135	80	-	-	0	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	96	96	96	63	63	63	50	50	50
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	74	1234	19	21	950	28	13	0	29	0	0	138

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	978	0	0	1253	0	0	1814	-	627	1634	-	475
Stage 1	-	-	-	-	-	-	1392	-	-	992	-	-
Stage 2	-	-	-	-	-	-	422	-	-	642	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	-	7.14	6.44	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	-	-	7.34	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	-	-	6.74	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	-	3.92	3.82	-	3.92
Pot Cap-1 Maneuver	401	-	-	295	-	-	83	0	365	107	0	459
Stage 1	-	-	-	-	-	-	106	0	-	202	0	-
Stage 2	-	-	-	-	-	-	531	0	-	391	0	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	401	-	-	295	-	-	47	-	365	80	-	459
Mov Cap-2 Maneuver	-	-	-	-	-	-	47	-	-	80	-	-
Stage 1	-	-	-	-	-	-	86	-	-	165	-	-
Stage 2	-	-	-	-	-	-	345	-	-	294	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.9	0.4	44.1	16.2
HCM LOS			E	C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	47	365	401	-	-	295	-	-	-	459
HCM Lane V/C Ratio	0.27	0.078	0.185	-	-	0.071	-	-	-	0.301
HCM Control Delay (s)	107.9	15.7	16	-	-	18.1	-	-	0	16.2
HCM Lane LOS	F	C	C	-	-	C	-	-	A	C
HCM 95th %tile Q(veh)	0.9	0.3	0.7	-	-	0.2	-	-	-	1.3

Intersection	
Int Delay, s/veh	4.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	2	62	0	0	2	0	64	0	0	0
Future Vol, veh/h	0	0	2	62	0	0	2	0	64	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	0	-	-	80	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	2	67	0	0	2	0	70	0	0	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	5	75	1	40	-	-	1	0	0	-	-	0
Stage 1	1	1	-	39	-	-	-	-	-	-	-	-
Stage 2	4	74	-	1	-	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	-	-	4.14	-	-	-	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	-	-	2.22	-	-	-	-	-
Pot Cap-1 Maneuver	1015	815	1083	959	0	0	1620	-	-	0	-	0
Stage 1	1021	895	-	971	0	0	-	-	-	0	-	0
Stage 2	1017	833	-	1021	0	0	-	-	-	0	-	0
Platoon blocked, %								-	-		-	
Mov Cap-1 Maneuver	1014	814	1083	956	-	-	1620	-	-	-	-	-
Mov Cap-2 Maneuver	1014	814	-	956	-	-	-	-	-	-	-	-
Stage 1	1020	895	-	970	-	-	-	-	-	-	-	-
Stage 2	1016	832	-	1019	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.3	9.1	0.2	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBT
Capacity (veh/h)	1620	-	-	1083	956	-
HCM Lane V/C Ratio	0.001	-	-	0.002	0.07	-
HCM Control Delay (s)	7.2	-	-	8.3	9.1	-
HCM Lane LOS	A	-	-	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	0.2	-

Intersection	
Int Delay, s/veh	3.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	30	1111	0	1	2407	20	16	0	46	0	0	47
Future Vol, veh/h	30	1111	0	1	2407	20	16	0	46	0	0	47
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	200	-	-	150	-	135	80	-	-	0	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	92	92	95	95	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	31	1145	0	1	2534	21	17	0	50	0	0	51

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	2555	0	0	1145	0	0	2223	-	573	3056	-	1267
Stage 1	-	-	-	-	-	-	1207	-	-	2536	-	-
Stage 2	-	-	-	-	-	-	1016	-	-	520	-	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	-	7.14	6.44	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	-	-	7.34	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	-	-	6.74	-	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	-	3.92	3.82	-	3.92
Pot Cap-1 Maneuver	65	-	-	333	-	-	46	0	396	13	0	137
Stage 1	-	-	-	-	-	-	143	0	-	15	0	-
Stage 2	-	-	-	-	-	-	230	0	-	463	0	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	65	-	-	333	-	-	18	-	396	7	-	137
Mov Cap-2 Maneuver	-	-	-	-	-	-	18	-	-	7	-	-
Stage 1	-	-	-	-	-	-	75	-	-	8	-	-
Stage 2	-	-	-	-	-	-	144	-	-	212	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	2.7	0	138.5	46.1
HCM LOS			F	E

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	18	396	65	-	-	333	-	-	-	137
HCM Lane V/C Ratio	0.966	0.126	0.476	-	-	0.003	-	-	-	0.373
HCM Control Delay (s)	$ 492.4	15.4	103	-	-	15.8	-	-	0	46.1
HCM Lane LOS	F	C	F	-	-	C	-	-	A	E
HCM 95th %tile Q(veh)	2.5	0.4	1.9	-	-	0	-	-	-	1.6

Intersection	
Int Delay, s/veh	4.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	2	45	0	0	2	0	48	0	0	0
Future Vol, veh/h	0	0	2	45	0	0	2	0	48	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	0	-	-	80	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	2	49	0	0	2	0	52	0	0	0

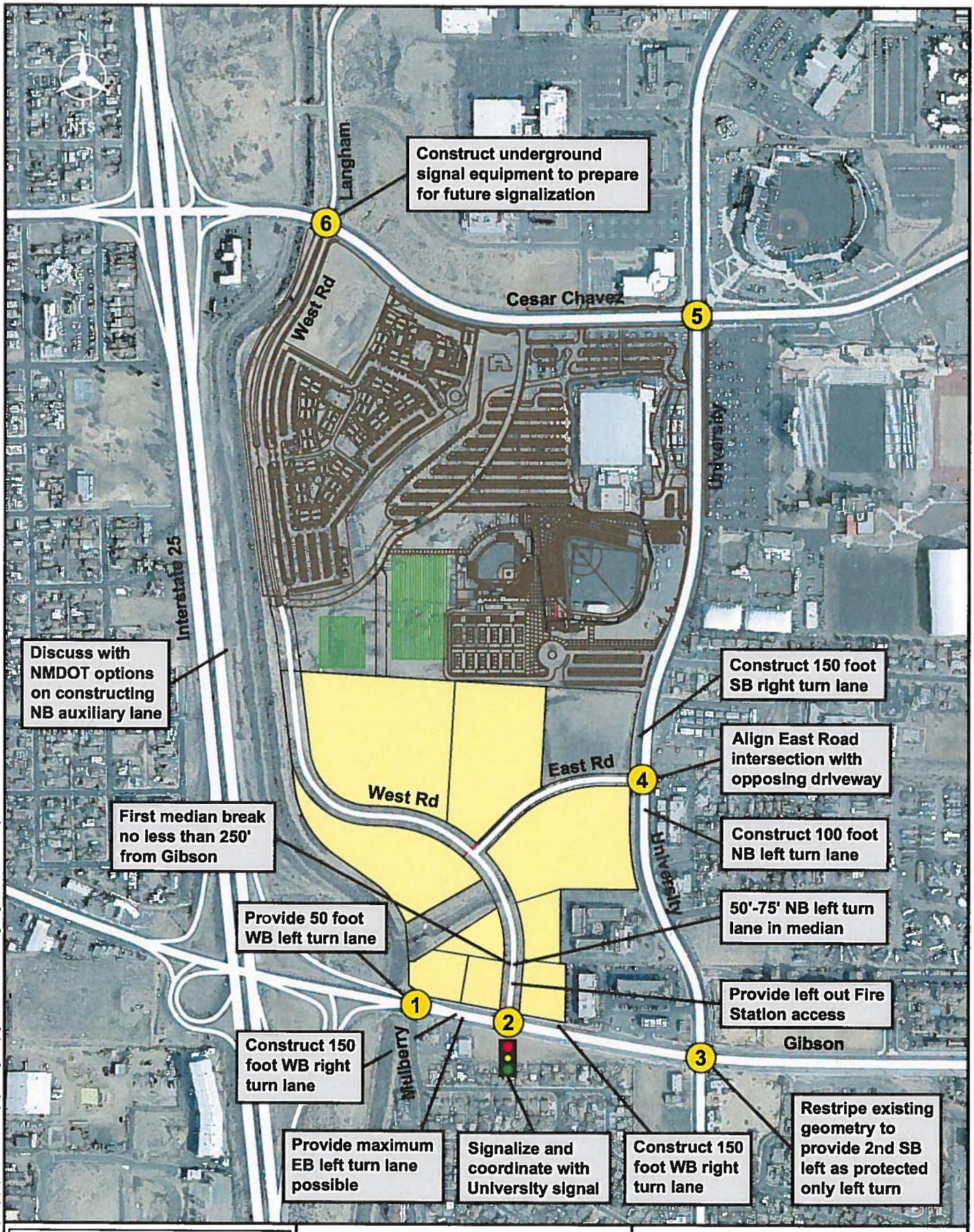
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	5	57	1	31	-	-	1	0	0	-	-	0
Stage 1	1	1	-	30	-	-	-	-	-	-	-	-
Stage 2	4	56	-	1	-	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	-	-	4.14	-	-	-	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	-	-	2.22	-	-	-	-	-
Pot Cap-1 Maneuver	1015	833	1083	973	0	0	1620	-	-	0	-	0
Stage 1	1021	895	-	983	0	0	-	-	-	0	-	0
Stage 2	1017	848	-	1021	0	0	-	-	-	0	-	0
Platoon blocked, %								-	-		-	
Mov Cap-1 Maneuver	1014	832	1083	970	-	-	1620	-	-	-	-	-
Mov Cap-2 Maneuver	1014	832	-	970	-	-	-	-	-	-	-	-
Stage 1	1020	895	-	982	-	-	-	-	-	-	-	-
Stage 2	1016	847	-	1019	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	8.3	8.9	0.3	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBT
Capacity (veh/h)	1620	-	-	1083	970	-
HCM Lane V/C Ratio	0.001	-	-	0.002	0.05	-
HCM Control Delay (s)	7.2	-	-	8.3	8.9	-
HCM Lane LOS	A	-	-	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	0.2	-

APPENDIX J

UNM SOUTH GIBSON COMMERCIAL DISTRICT TIS RECOMMENDATIONS FIGURE



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Bohannan Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

UNM Gibson Commercial District
Traffic Impact Analysis

FIGURE 12
Recommended Improvements

APPENDIX K

2019 RAISING CANE'S DRIVE-THROUGH QUEUEING ANALYSIS (CORONA, CA)

April 5, 2019

Ms. Kristen Roberts
Raising Cane's
6800 Bishop Road
Plano, TX 75024

Subject: *Drive-through Queuing Analysis for the Proposed Raising Cane's Project Located at 1215 Ontario Avenue in the City of Corona*

Dear Ms. Roberts:

This memorandum has been prepared to evaluate the drive-through queuing capacity of a proposed Raising Cane's restaurant located at 1215 Ontario Avenue in the City of Corona.

PROJECT DESCRIPTION

The project site is located on the north side of Ontario Avenue between Rimpau Avenue and California Avenue in the City of Corona. The site is bounded by Rimpau Park to the north and west, Del Taco to the east, and Ontario Avenue to the south. The site is currently occupied by a vacant commercial building. Raising Cane's proposes to demolish the existing building and develop a 4,086-square-foot quick-service restaurant with two drive-through lanes that merge into one drive-through lane after the order boards. The project location is shown on Figure 1. The proposed project site plan is shown on Figure 2.

Access to the Raising Cane's site would be provided primarily by two unsignalized driveways on Ontario Avenue:

- One existing shared driveway
- One proposed right-in-right-out only driveway

DRIVE-THROUGH QUEUING ANALYSIS

The City has requested that a drive-through queuing study be conducted for the proposed project, to evaluate the adequacy of the drive-through lane queuing capacity.

The opening to the drive-through lane would be located at the southeastern corner of the project site, and the drive-through lane would wrap around the building in a counter-clockwise direction. The drive-through would provide two side-by-side entry lanes and two order boards, which would allow Raising Cane's to take orders from two customers at the same time. After the order boards, the two lanes would merge back into a single drive-through lane prior to the pay and.

pick-up window. There will be approximately 560 feet of total queuing lane capacity (approximately 280 feet per lane) from the opening of the two drive-through lanes to the two order boards and approximately 120 feet from the order boards to the pick-up window. This would provide a total drive-through queue length of approximately 680 feet, for a drive-through queuing capacity of 27 to 34 vehicles, assuming 20 to 25 feet per vehicle, from the beginning of the drive-through lanes to the pick-up window.

Queuing Data Collection

Drive-through queuing observations and counts were conducted at the following existing drive-through Raising Cane's sites:

- City of Laguna Hills: Northeast corner of El Toro Road and Avenida De La Carlota
- City of Orange: 2249 North Tustin Street
- City of Riverside: 11066 Magnolia Avenue

These sites do not have dual side-by-side drive-through lanes or dual order boards. The drive-through queuing capacity for the Laguna Hills and Orange sites is 7 to 9 vehicles, assuming 20 to 25 feet per vehicle. The drive-through queuing capacity for the Riverside site is 10 to 13 vehicles, assuming 20 to 25 feet per vehicle.

These sites were selected for queuing data collection because of the following site characteristics that are similar to the proposed project:

- A Raising Cane's restaurant with a drive-through lane;
- Located in Southern California;
- Located adjacent to or within a larger commercial center;

The drive-through activity was observed during the following times for the Raising Cane's sites on a typical weekday and Saturday:

- Laguna Hills Site:
  - 11:00 AM – 2:00 PM (lunch-time)
  - 4:00 PM – 7:00 PM (commute peak hour/dinner-time)
- Orange Site:
  - 12:00 PM – 2:30 PM (lunch-time)
  - 7:00 PM – 9:30 PM (dinner-time)
- Riverside Site:
  - 11:00 AM – 2:00 PM (lunch-time)
  - 4:00 PM – 7:00 PM (commute peak hour/dinner-time)

The results of the observations are summarized on Table **1** and Table **2** for a typical weekday and Saturday, respectively.

The data summaries on Tables 1 and 2 present the number of vehicles in the drive-through lane, broken down into 15-minute periods, based on the observed average queue, 85th percentile queue, and the peak queue for each of the data collection periods. A copy of the queuing data collection worksheets is provided in *Attachment A*.

Queuing Observations

The queuing activity was observed to vary with an ebb and flow pattern throughout the data collection periods. The following vehicle movement and queuing observations of the drive-through operations at the study locations were made:

Laguna Hills Site

- The peak 15 minutes during the weekday lunch-time peak was from 12:15 PM to 12:30 PM, with an average queue of 9 vehicles and a peak queue of 15 vehicles.
- The peak 15 minutes during the weekday dinner-time peak was from 6:45 PM to 7:00 PM, with an average queue of 13 vehicles and a peak queue of 14 vehicles.
- The peak 15 minutes during the Saturday lunch-time peak was from 1:00 PM to 1:15 PM, with an average queue of 8 vehicles and a peak queue of 14 vehicles.
- The peak 15 minutes during the Saturday dinner-time peak was from 6:15 PM to 6:30 PM, with an average queue of 9 vehicles and a peak queue of 13 vehicles.

Orange Site

- The peak 15 minutes during the weekday lunch-time peak was from 12:45 PM to 1:00 PM, with an average queue of 10 vehicles and a peak queue of 16 vehicles.
- The peak 15 minutes during the weekday dinner-time peak was from 7:15 PM to 7:30 PM, with an average queue of 12 vehicles and a peak queue of 14 vehicles.
- The peak 15 minutes during the Saturday lunch-time peak was from 1:00 PM to 1:15 PM, with an average queue of 11 vehicles and a peak queue of 13 vehicles.
- The peak 15 minutes during the Saturday dinner-time peak was from 8:45 PM to 9:00 PM, with an average queue of 15 vehicles and a peak queue of 17 vehicles.

Riverside Site

- The peak 15 minutes during the weekday lunch-time peak was from 12:30 PM to 12:45 PM, with an average queue of 8 vehicles and a peak queue of 12 vehicles.

- The peak 15 minutes during the weekday dinner-time peak was from 6:00 PM to 6:15 PM, with an average queue of 7 vehicles and a peak queue of 11 vehicles.

- The peak 15 minutes during the Saturday lunch-time peak was from 1:30 PM to 1:45 PM, with an average queue of 10 vehicles and a peak queue of 12 vehicles.

- The peak 15 minutes during the Saturday dinner-time peak was from 6:45 PM to 7:00 PM, with an average queue of 8 vehicles and a peak queue of 11 vehicles.

General Observations

- At the Raising Cane's sites, spillovers outside the drive-through lane opening were observed to occur occasionally and to last briefly.

- On occasion, the spillover outside the drive-through lane was due to a delay at the order board, rather than a lack of capacity in the drive-through lane itself. A more-than-average delay at the order board (i.e., due to a large order, or indecisiveness on the part of the customer) would briefly hold up the movement of the queue, sometimes causing the remainder of the queue to extend beyond the drive-through lane opening. When the vehicle at the order board finished the ordering process and pulled forward, the remaining cars in the queue would once again move through the order and pick-up process at the normal pace, and the gap between the order board and the pick-up window would fill in.

- Some customers were observed to pull into the site; evaluate the wait time, based on the vehicle queue; and choose to park and go into the building, rather than join the existing queue.

Drive-through Queue Length Calculation

To supplement the empirical data collected at the existing Raising Cane's restaurants in Laguna Hills, Orange, and Riverside, the drive-through queuing capacity was also analyzed using queuing analysis formulas published in the Institute of Transportation Engineers (ITE) Transportation Planning Handbook, 3rd Edition.

Raising Cane's typical service time in the drive-through is 2-1/2 minutes from the order board to the pick-up window, with a vehicle being processed and progressing through the order board, pay window and pick-up window every 35 to 40 seconds during the peak drive-through periods. Assuming the more conservative processing time of 40 seconds, and applying the ITE queuing formulas, the analysis indicates that the average queue length is estimated to be 9 vehicles, and that the probability that the queue would be exactly 34 vehicles would be 0.3%. The probability of exceeding 34 vehicles is estimated to be 3.1%. The queuing calculation worksheet and formulas are provided as *Attachment B* of this report.

The ITE queuing analysis assumes a single-lane drive-through for a more conservative approach. The occurrence of the drive-through queue extending beyond the opening of the drive-through lane is expected to be an infrequent occurrence, and of short duration. The use of dual side-by-side drive-through lanes with dual order boards would improve the service rate, which would lower the number of vehicles queuing in the drive-through, as described in the following section.

Side-by-Side Operational Features

The proposed side-by-side configuration would begin with a single drive-through lane at the southeastern corner of the building. The drive-through lane would branch out into two drive-through lanes along the eastern side of the building. Each drive-through lane would have its own order board. After the order boards, the two lanes would merge back into a single drive-through lane prior to the pay and pick-up window.

While regular customers who are familiar with the menu choices typically would complete the order part of the process in less than the average time, infrequent or new customers are more likely to dwell at the menu board before making their choices, slowing down the process for everyone behind them. As a result, the order board is considered to be the most significant bottleneck in the drive-through process.

The side-by-side ordering configuration, as proposed by Raising Cane's, would provide two lanes with a separate order board for each lane. This will increase the number of customers processed through the order board portion of the drive-through, and "keep the line moving" even if one customer takes a longer-than-average time to make their menu selections, allowing the restaurant to continue to take and complete orders from the other order lane. The newest customer to arrive at the drive-through entrance will naturally choose the empty lane or the shorter line, so that one customer who takes a longer time to order at one order board can be by-passed, thereby not holding up the entire drive-through line.

With the added efficiency of having two order boards and the ability to by-pass customers taking a longer-than-average time to order at the other order board, the service rate would increase, compared to a single drive-through lane, as more orders can be processed. The cooks would receive the orders at a more efficient rate, which allows them to continue cooking the food, rather than waiting for the slower customer to finish ordering. As a result of added efficiency in the cooking area, the efficiency at the pick-up window would increase, compared to a single drive-through lane, because the food would be processed by the cooking area at a more efficient rate.

CONCLUSION

The proposed Raising Cane's duo drive-through lanes would provide a total queue length of approximately 680 feet, for a queuing capacity for 27 to 34 vehicles, assuming 20 to 25 feet per vehicle, from the beginning of the drive-through lanes to the pick-up window. Based on the drive-through queuing data collection and analysis presented in this memorandum, the overall average number of queued vehicles is estimated to be 9 (calculated at 8.67 and rounded up to 9) during the peak drive-through operations. The peak 85th percentile queue is estimated to be 17 vehicles during the peak 15-minute time period. The peak queue is estimated to be 17 vehicles during the peak 15-minute time period.

The side-by-side ordering configuration, as proposed by Raising Cane's, would provide two drive-through entry lanes at the southeastern corner of the building, with a separate order board for each lane. This would allow the ability to by-pass customers taking a longer-than-average time to order at the order board. The side-by-side ordering configuration would help address potential bottleneck issues at the order board, as well as reduce the service time at the drive-through as orders can be processed at a more efficient rate.

Trevor Briggs, P.E. (C87664)
Project Engineer

NOT TO SCALE

FIGURE 1
PROJECT LOCATION

C:\Users\trevor.briggs\appdata\local\temp\AcPublish_25396\FIGURES RC_Corona.dwg

Kimley»Horn

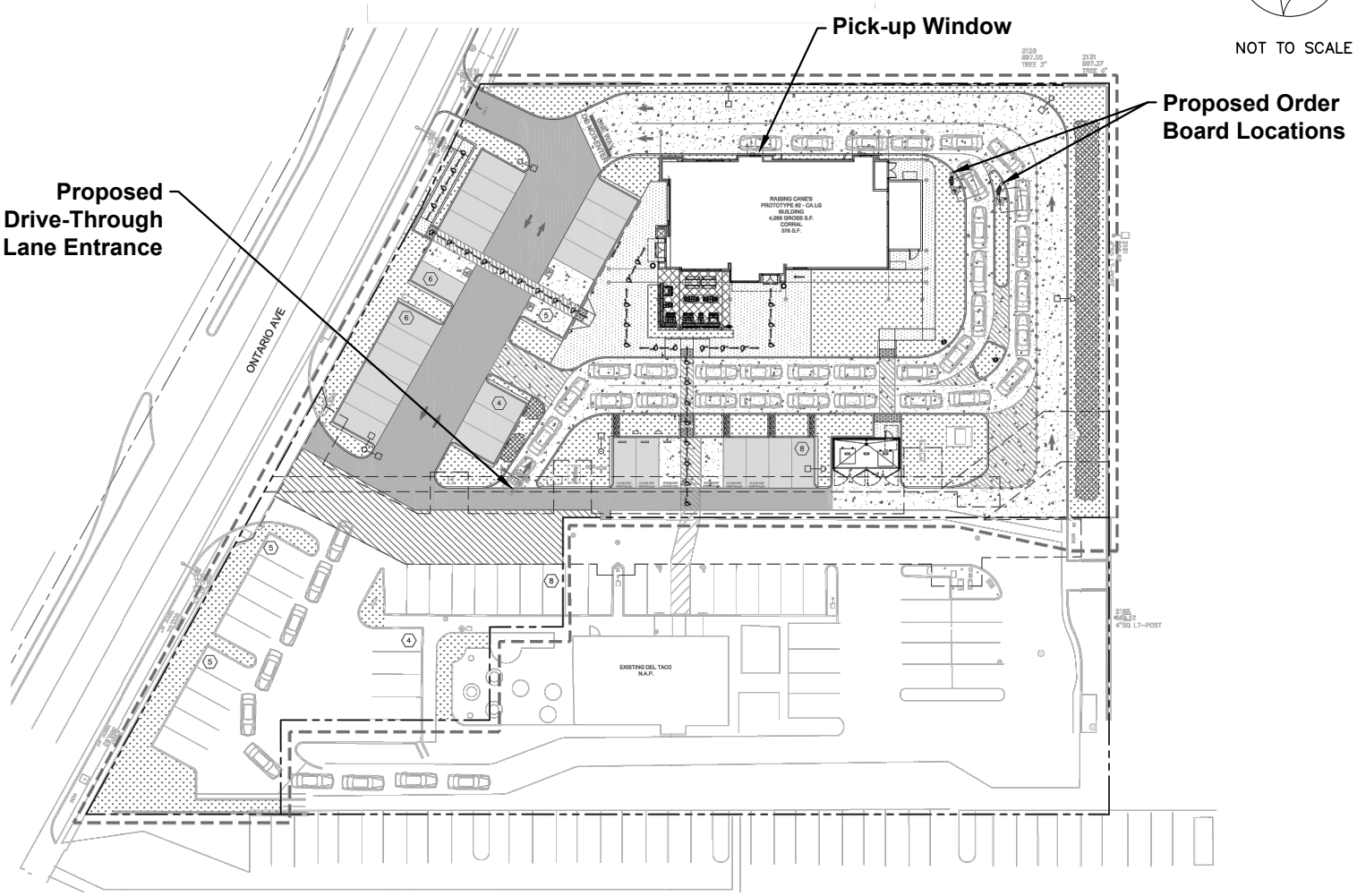

FIGURE 2
PROJECT SITE PLAN

Kimley»Horn

TABLE 1

SUMMARY OF DRIVE-THROUGH QUEUING DATA COLLECTION
RAISING CANE'S - TYPICAL WEEKDAY
AVERAGE, 85TH PERCENTILE, AND PEAK QUEUES

Time Period	Number of Drive-through Vehicles in the Queue								
	Average Queue			85th %-ile [1] Queue			Peak Queue		
	Laguna Hills	Orange	Riverside	Laguna Hills	Orange	Riverside	Laguna Hills	Orange	Riverside
Lunch									
11:00-11:15 AM	1.5		1.7	2.7		3.0	3		4
11:15-11:30 AM	1.7		3.1	2.0		5.0	3		6
11:30-11:45 AM	2.6		1.1	4.0		2.0	5		2
11:45-12:00 PM	4.1		3.0	7.2		4.0	11		5
12:00-12:15 PM	3.9	5.6	5.4	7.0	7.0	7.0	9	14	8
12:15-12:30 PM	9.0	6.6	4.9	13.0	8.0	7.9	15	13	9
12:30-12:45 PM	10.6	7.0	7.8	12.8	9.0	9.9	13	10	12
12:45-1:00 PM	7.0	9.7	5.6	9.0	13.0	6.9	9	16	7
1:00-1:15 PM	5.2	9.0	5.2	7.0	11.0	7.0	8	13	8
1:15-1:30 PM	5.8	6.6	6.6	8.0	9.0	9.0	10	11	10
1:30-1:45 PM	2.8	3.9	4.5	5.0	5.0	7.0	6	7	9
1:45-2:00 PM	3.5	3.6	5.0	4.5	5.0	6.0	6	6	7
2:00-2:15 PM		3.6			5.0			5	
2:15-2:30 PM		2.9			5.0			6	
Highest Value	10.6	9.7	7.8	13.0	13.0	9.9	15	16	12
Dinner									
4:00-4:15 PM	5.6		3.5	7.0		5.0	8		6
4:15-4:30 PM	6.2		2.0	8.0		3.0	9		4
4:30-4:45 PM	5.9		3.8	7.0		6.0	9		7
4:45-5:00 PM	5.5		6.2	7.0		9.0	9		10
5:00-5:15 PM	5.4		2.2	7.0		4.9	8		6
5:15-5:30 PM	5.8		3.6	7.0		6.0	9		8
5:30-5:45 PM	7.1		5.3	8.0		8.9	10		10
5:45-6:00 PM	10.9		2.7	12.0		4.0	13		6
6:00-6:15 PM	8.6		6.7	10.4		9.0	11		11
6:15-6:30 PM	10.8		6.3	12.0		7.9	13		9
6:30-6:45 PM	11.1		4.5	12.5		6.9	14		8
6:45-7:00 PM	12.8		3.1	14.0		4.0	14		5
7:00-7:15 PM		11.0			12.0			14	
7:15-7:30 PM		11.5			13.0			14	
7:30-7:45 PM		8.6			10.0			12	
7:45-8:00 PM		8.3			10.0			12	
8:00-8:15 PM		9.4			11.0			13	
8:15-8:30 PM		8.5			11.0			12	
8:30-8:45 PM		6.4			9.0			10	
8:45-9:00 PM		5.2			7.0			8	
9:00-9:15 PM		6.4			8.1			10	
9:15-9:30 PM		7.5			9.3			12	
Highest Value	12.8	11.5	6.7	14.0	13.0	9.0	14	14	11

Notes: [1] 85th percentile = The queue will be less than the queue shown 85% of the time.

TABLE 2

SUMMARY OF DRIVE-THROUGH QUEUING DATA COLLECTION
RAISING CANE'S - SATURDAY
AVERAGE, 85TH PERCENTILE, AND PEAK QUEUES

Time Period	Number of Drive-through Vehicles in the Queue								
	Average Queue			85th %-ile [1] Queue			Peak Queue		
	Laguna Hills	Orange	Riverside	Laguna Hills	Orange	Riverside	Laguna Hills	Orange	Riverside
Lunch									
11:00-11:15 AM	3.0		2.3	4.3		5.8	5		6
11:15-11:30 AM	1.8		2.3	3.0		5.8	4		6
11:30-11:45 AM	5.3		4.9	8.0		6.0	12		9
11:45-12:00 PM	7.5		1.9	10.0		3.9	12		5
12:00-12:15 PM	4.7	5.5	8.0	5.0	8.0	10.0	6	9	11
12:15-12:30 PM	4.1	6.8	4.9	5.0	8.7	6.9	6	10	8
12:30-12:45 PM	8.2	5.8	6.7	12.0	7.1	7.9	13	9	9
12:45-1:00 PM	9.3	6.8	7.9	11.0	8.0	9.0	12	9	12
1:00-1:15 PM	7.2	10.4	8.6	9.0	12.0	9.9	14	13	11
1:15-1:30 PM	7.3	9.4	8.1	9.0	12.0	9.9	10	13	12
1:30-1:45 PM	6.9	8.5	9.5	9.0	11.0	10.0	10	13	12
1:45-2:00 PM	7.3	3.9	8.0	8.8	5.4	9.0	10	6	10
2:00-2:15 PM		5.0			7.0			8	
2:15-2:30 PM		6.4			8.0			10	
Highest Value	9.3	10.4	9.5	12.0	12.0	10.0	14	13	12
Dinner									
4:00-4:15 PM	6.2		5.8	8.5		8.9	11		10
4:15-4:30 PM	4.5		7.1	5.1		8.9	6		11
4:30-4:45 PM	2.0		4.9	3.0		6.0	4		9
4:45-5:00 PM	5.2		3.9	6.0		6.0	8		7
5:00-5:15 PM	5.6		4.7	7.0		7.0	9		8
5:15-5:30 PM	10.0		4.2	12.0		5.0	12		6
5:30-5:45 PM	6.1		3.7	7.3		5.0	11		6
5:45-6:00 PM	7.3		2.1	11.3		3.0	13		4
6:00-6:15 PM	8.7		2.9	11.0		6.0	12		7
6:15-6:30 PM	8.6		2.8	11.0		4.8	13		6
6:30-6:45 PM	6.0		7.2	7.3		9.0	10		10
6:45-7:00 PM	4.7		7.8	7.0		9.0	8		11
7:00-7:15 PM		9.2			10.5			13	
7:15-7:30 PM		11.6			13.0			13	
7:30-7:45 PM		10.8			13.0			16	
7:45-8:00 PM		4.2			6.0			11	
8:00-8:15 PM		5.4			8.0			10	
8:15-8:30 PM		8.9			11.0			12	
8:30-8:45 PM		8.8			11.0			13	
8:45-9:00 PM		15.0			17.0			17	
9:00-9:15 PM		12.4			16.0			17	
9:15-9:30 PM		9.3			11.4			15	
Highest Value	10.0	15.0	7.8	12.0	17.0	9.0	13	17	11

Notes: [1] 85th percentile = The queue will be less than the queue shown 85% of the time.

ATTACHMENT A

QUEUING DATA COLLECTION WORKSHEETS

Prepared by National Data & Surveying Services

Queue Study

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Thursday
Date: 10/19/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
11:00:40 AM	1	1	2
11:01:23 AM	2	0	2
11:02:01 AM	2	1	3
11:02:40 AM	3	0	3
11:03:24 AM	2	0	2
11:04:38 AM	1	0	1
11:05:26 AM	0	0	0
11:07:48 AM	0	1	1
11:08:22 AM	1	0	1
11:09:33 AM	0	0	0
11:17:15 AM	0	1	1
11:17:26 AM	0	2	2
11:17:51 AM	1	1	2
11:19:12 AM	2	0	2
11:19:27 AM	1	0	1
11:20:08 AM	1	1	2
11:20:36 AM	2	0	2
11:21:05 AM	1	0	1
11:23:05 AM	1	1	2
11:23:17 AM	1	2	3
11:23:21 AM	1	1	2
11:24:06 AM	2	0	2
11:25:45 AM	2	0	2
11:26:53 AM	1	0	1
11:28:15 AM	0	1	1
11:28:45 AM	0	2	2
11:29:01 AM	1	1	2
11:29:47 AM	2	0	2
11:29:59 AM	1	0	1
11:30:19 AM	1	1	2
11:31:01 AM	1	0	1
11:31:55 AM	1	1	2
11:32:18 AM	2	0	2
11:32:25 AM	2	1	3
11:32:54 AM	2	2	4
11:33:07 AM	3	1	4
11:33:23 AM	2	2	4
11:33:59 AM	3	1	4
11:34:07 AM	2	1	3
11:34:49 AM	3	0	3
11:35:22 AM	3	1	4
11:36:02 AM	3	2	5
11:36:34 AM	3	1	4
11:36:51 AM	3	2	5
11:37:00 AM	3	1	4
11:37:27 AM	4	0	4
11:38:07 AM	3	0	3
11:38:39 AM	2	0	2
11:38:58 AM	1	0	1
11:39:19 AM	0	1	1
11:40:16 AM	1	0	1
11:41:34 AM	0	0	0
11:42:11 AM	0	1	1
11:42:50 AM	1	0	1
11:43:15 AM	1	1	2
11:43:43 AM	0	1	1
11:44:10 AM	1	0	1
11:44:26 AM	1	1	2
11:44:36 AM	1	2	3
11:44:56 AM	2	1	3
11:45:33 AM	3	1	4

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
4:00:00 PM	3	0	3
4:00:59 PM	3	1	4
4:01:32 PM	3	2	5
4:01:41 PM	4	2	6
4:02:23 PM	4	3	7
4:02:43 PM	3	3	6
4:03:01 PM	4	2	6
4:03:17 PM	4	3	7
4:03:26 PM	5	3	8
4:03:40 PM	4	3	7
4:03:59 PM	5	2	7
4:05:50 PM	4	2	6
4:06:01 PM	5	1	6
4:06:11 PM	5	2	7
4:06:32 PM	5	3	8
4:06:41 PM	4	3	7
4:07:16 PM	5	2	7
4:07:48 PM	4	2	6
4:08:16 PM	5	1	6
4:08:25 PM	4	2	6
4:08:47 PM	4	1	5
4:09:26 PM	4	2	6
4:09:37 PM	3	2	5
4:10:01 PM	4	2	6
4:10:17 PM	3	2	5
4:10:38 PM	4	1	5
4:11:02 PM	4	0	4
4:12:24 PM	4	1	5
4:13:11 PM	4	0	4
4:13:31 PM	4	1	5
4:13:40 PM	3	1	4
4:13:57 PM	3	2	5
4:14:15 PM	3	1	4
4:14:44 PM	3	0	3
4:15:06 PM	3	1	4
4:16:13 PM	4	0	4
4:16:39 PM	3	0	3
4:17:21 PM	3	1	4
4:17:28 PM	3	2	5
4:17:36 PM	2	2	4
4:17:59 PM	3	1	4
4:18:06 PM	3	2	5
4:18:12 PM	3	3	6
4:18:18 PM	3	4	7
4:18:34 PM	4	4	8
4:19:02 PM	4	5	9
4:19:11 PM	3	5	8
4:19:35 PM	4	4	8
4:19:45 PM	3	4	7
4:20:24 PM	4	3	7
4:20:31 PM	3	3	6
4:20:53 PM	4	2	6
4:21:12 PM	4	1	5
4:21:27 PM	4	2	6
4:22:17 PM	5	1	6
4:24:00 PM	4	1	5
4:25:15 PM	5	0	5
4:25:22 PM	5	1	6
4:26:43 PM	4	1	5
4:26:52 PM	4	2	6
4:27:01 PM	4	3	7

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Thursday
Date: 10/19/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
11:45:36 AM	2	2	4
11:45:50 AM	3	1	4
11:46:20 AM	2	1	3
11:46:38 AM	3	0	3
11:46:47 AM	2	1	3
11:47:02 AM	2	2	4
11:47:22 AM	2	1	3
11:47:51 AM	3	0	3
11:48:00 AM	2	0	2
11:48:46 AM	1	0	1
11:50:58 AM	1	1	2
11:51:31 AM	2	0	2
11:51:40 AM	1	1	2
11:52:13 AM	2	0	2
11:52:42 AM	1	0	1
11:53:19 AM	1	1	2
11:53:40 AM	1	2	3
11:53:51 AM	2	1	3
11:54:32 AM	3	0	3
11:55:01 AM	2	1	3
11:55:17 AM	2	2	4
11:55:34 AM	1	2	3
11:56:04 AM	0	3	3
11:56:10 AM	0	4	4
11:56:42 AM	0	5	5
11:57:30 AM	0	6	6
11:57:42 AM	0	7	7
11:58:03 AM	1	7	8
11:58:39 AM	2	6	8
11:59:08 AM	2	7	9
11:59:17 AM	3	8	11
11:59:40 AM	4	7	11
12:00:00 PM	4	5	9
12:00:18 PM	3	5	8
12:00:29 PM	4	4	8
12:00:48 PM	3	4	7
12:00:58 PM	3	5	8
12:02:07 PM	4	4	8
12:02:12 PM	3	4	7
12:02:32 PM	3	3	6
12:03:07 PM	4	2	6
12:03:55 PM	4	1	5
12:04:05 PM	3	1	4
12:04:37 PM	4	0	4
12:04:56 PM	3	0	3
12:05:18 PM	2	1	3
12:05:56 PM	2	0	2
12:06:03 PM	1	0	1
12:06:23 PM	1	1	2
12:07:03 PM	2	0	2
12:07:11 PM	1	0	1
12:08:24 PM	0	1	1
12:08:51 PM	0	2	2
12:09:00 PM	1	2	3
12:09:43 PM	0	3	3
12:10:08 PM	1	2	3
12:10:41 PM	2	1	3
12:11:14 PM	3	0	3
12:11:29 PM	3	1	4
12:12:12 PM	3	2	5
12:12:29 PM	3	1	4
12:12:44 PM	2	1	3
12:12:58 PM	1	1	2
12:13:06 PM	2	0	2
12:13:14 PM	2	1	3
12:13:29 PM	1	1	2
12:14:11 PM	2	0	2

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
4:27:06 PM	4	4	8
4:27:29 PM	3	4	7
4:27:35 PM	3	5	8
4:27:49 PM	4	4	8
4:27:58 PM	3	4	7
4:28:27 PM	3	5	8
4:28:34 PM	4	4	8
4:29:14 PM	4	3	7
4:29:44 PM	4	2	6
4:30:25 PM	5	1	6
4:32:00 PM	4	2	6
4:32:25 PM	5	1	6
4:32:39 PM	4	1	5
4:33:19 PM	5	0	5
4:33:28 PM	4	0	4
4:33:38 PM	4	1	5
4:33:44 PM	4	2	6
4:33:58 PM	4	3	7
4:34:13 PM	5	2	7
4:34:29 PM	4	2	6
4:35:01 PM	4	3	7
4:35:19 PM	4	2	6
4:35:33 PM	4	3	7
4:35:53 PM	4	3	7
4:37:11 PM	3	3	6
4:37:21 PM	4	2	6
4:37:57 PM	4	1	5
4:38:25 PM	5	0	5
4:39:12 PM	4	0	4
4:39:36 PM	4	1	5
4:40:06 PM	4	0	4
4:40:19 PM	4	1	5
4:40:45 PM	3	2	5
4:40:58 PM	3	3	6
4:41:05 PM	4	2	6
4:41:16 PM	4	3	7
4:43:22 PM	4	3	7
4:43:47 PM	4	4	8
4:44:24 PM	4	5	9
4:45:06 PM	4	5	9
4:45:51 PM	3	4	7
4:46:16 PM	4	3	7
4:46:50 PM	3	3	6
4:47:52 PM	3	4	7
4:48:20 PM	2	4	6
4:48:32 PM	3	3	6
4:49:00 PM	3	2	5
4:49:31 PM	3	3	6
4:49:36 PM	3	4	7
4:49:50 PM	4	3	7
4:50:05 PM	3	3	6
4:50:23 PM	2	3	5
4:50:39 PM	3	2	5
4:50:51 PM	2	2	4
4:51:35 PM	3	2	5
4:52:04 PM	3	3	6
4:52:15 PM	3	4	7
4:52:26 PM	4	4	8
4:52:58 PM	4	3	7
4:53:21 PM	3	3	6
4:53:31 PM	4	2	6
4:53:47 PM	3	2	5
4:53:59 PM	3	3	6
4:54:05 PM	4	2	6
4:54:26 PM	3	2	5
4:54:39 PM	2	3	5
4:55:01 PM	3	2	5

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Thursday
Date: 10/19/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:14:18 PM	1	0	1
12:16:09 PM	0	0	0
12:16:29 PM	0	1	1
12:16:36 PM	0	2	2
12:16:43 PM	0	3	3
12:17:12 PM	0	4	4
12:17:36 PM	1	3	4
12:17:49 PM	1	4	5
12:18:00 PM	1	5	6
12:18:07 PM	2	5	7
12:18:30 PM	2	6	8
12:18:43 PM	2	7	9
12:19:05 PM	2	7	9
12:19:16 PM	2	6	8
12:19:49 PM	3	5	8
12:20:20 PM	4	4	8
12:20:37 PM	3	5	8
12:21:10 PM	3	6	9
12:21:31 PM	4	6	10
12:21:52 PM	4	6	10
12:22:30 PM	4	7	11
12:22:42 PM	5	7	12
12:23:31 PM	5	8	13
12:24:12 PM	5	7	12
12:24:33 PM	4	7	11
12:25:01 PM	4	6	10
12:25:19 PM	4	7	11
12:26:09 PM	5	7	12
12:26:35 PM	5	8	13
12:27:00 PM	5	9	14
12:27:08 PM	5	10	15
12:28:02 PM	4	10	14
12:28:23 PM	3	10	13
12:28:34 PM	4	9	13
12:29:14 PM	3	9	12
12:30:22 PM	4	8	12
12:30:43 PM	3	9	12
12:30:51 PM	4	9	13
12:30:59 PM	3	10	13
12:31:33 PM	4	9	13
12:31:47 PM	4	8	12
12:32:13 PM	4	9	13
12:32:42 PM	3	9	12
12:33:38 PM	4	8	12
12:33:43 PM	3	8	11
12:34:02 PM	2	8	10
12:34:36 PM	1	9	10
12:35:03 PM	1	10	11
12:35:26 PM	0	10	10
12:35:52 PM	1	9	10
12:36:31 PM	2	9	11
12:37:06 PM	3	8	11
12:37:38 PM	4	9	13
12:37:52 PM	4	9	13
12:38:02 PM	3	9	12
12:38:32 PM	2	9	11
12:38:44 PM	3	8	11
12:39:23 PM	3	7	10
12:39:50 PM	2	8	10
12:40:19 PM	1	8	9
12:40:35 PM	1	7	8
12:41:09 PM	2	8	10
12:41:16 PM	3	7	10
12:41:42 PM	3	6	9
12:42:46 PM	3	7	10
12:43:08 PM	2	7	9
12:43:26 PM	2	6	8

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
4:55:43 PM	3	1	4
4:56:23 PM	3	0	3
4:56:41 PM	3	1	4
4:56:46 PM	3	2	5
4:56:59 PM	2	2	4
4:57:27 PM	3	2	5
4:57:52 PM	2	2	4
4:58:04 PM	3	2	5
4:58:44 PM	2	2	4
4:58:52 PM	3	1	4
4:59:18 PM	3	0	3
4:59:34 PM	3	1	4
4:59:40 PM	3	2	5
4:59:42 PM	3	3	6
5:00:01 PM	3	2	5
5:01:05 PM	4	1	5
5:01:20 PM	3	1	4
5:01:49 PM	4	0	4
5:03:00 PM	3	1	4
5:03:32 PM	4	0	4
5:03:49 PM	3	0	3
5:04:30 PM	3	1	4
5:04:40 PM	3	2	5
5:05:16 PM	3	1	4
5:05:18 PM	3	2	5
5:05:49 PM	4	2	6
5:07:07 PM	4	2	6
5:07:31 PM	5	1	6
5:07:40 PM	4	2	6
5:08:02 PM	3	2	5
5:08:10 PM	4	1	5
5:08:16 PM	4	2	6
5:08:33 PM	4	3	7
5:08:44 PM	5	2	7
5:09:15 PM	4	2	6
5:09:26 PM	4	3	7
5:09:38 PM	4	2	6
5:10:09 PM	4	1	5
5:10:38 PM	5	0	5
5:10:43 PM	5	1	6
5:10:49 PM	5	2	7
5:10:55 PM	4	2	6
5:11:06 PM	4	3	7
5:11:17 PM	5	3	8
5:11:36 PM	5	2	7
5:12:04 PM	4	2	6
5:12:28 PM	3	2	5
5:12:47 PM	4	2	6
5:13:07 PM	4	1	5
5:13:19 PM	3	1	4
5:13:44 PM	4	1	5
5:13:53 PM	3	1	4
5:14:59 PM	4	0	4
5:15:29 PM	4	1	5
5:16:03 PM	3	2	5
5:16:14 PM	3	1	4
5:17:06 PM	4	1	5
5:17:39 PM	3	1	4
5:18:00 PM	4	1	5
5:18:17 PM	3	1	4
5:18:39 PM	3	2	5
5:18:41 PM	2	2	4
5:19:24 PM	3	1	4
5:19:40 PM	3	2	5
5:20:27 PM	4	1	5
5:20:35 PM	3	2	5
5:20:47 PM	2	3	5

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Thursday
Date: 10/19/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:43:53 PM	3	5	8
12:44:39 PM	3	6	9
12:44:43 PM	2	6	8
12:44:57 PM	1	6	7
12:45:15 PM	2	5	7
12:45:29 PM	1	5	6
12:45:46 PM	2	5	7
12:46:04 PM	3	5	8
12:46:18 PM	2	6	8
12:46:42 PM	1	6	7
12:46:56 PM	2	6	8
12:47:09 PM	2	7	9
12:47:37 PM	1	8	9
12:48:10 PM	0	8	8
12:48:44 PM	1	7	8
12:49:18 PM	1	8	9
12:49:30 PM	2	7	9
12:50:06 PM	2	6	8
12:50:25 PM	2	7	9
12:50:36 PM	3	6	9
12:50:45 PM	2	6	8
12:51:09 PM	3	5	8
12:51:21 PM	2	5	7
12:51:41 PM	2	6	8
12:51:48 PM	3	5	8
12:52:22 PM	3	6	9
12:52:29 PM	3	6	9
12:52:43 PM	2	6	8
12:52:50 PM	3	5	8
12:53:13 PM	2	5	7
12:53:23 PM	3	4	7
12:54:08 PM	3	3	6
12:54:28 PM	4	2	6
12:54:52 PM	3	2	5
12:55:06 PM	2	2	4
12:55:21 PM	1	3	4
12:55:46 PM	2	2	4
12:56:12 PM	3	1	4
12:57:32 PM	3	2	5
12:57:42 PM	4	3	7
12:58:11 PM	3	3	6
12:58:27 PM	2	3	5
12:58:36 PM	3	2	5
12:58:47 PM	3	3	6
12:59:08 PM	4	2	6
12:59:16 PM	3	2	5
1:00:07 PM	4	1	5
1:00:15 PM	3	2	5
1:00:33 PM	4	1	5
1:00:52 PM	3	1	4
1:01:03 PM	4	0	4
1:01:10 PM	4	1	5
1:01:43 PM	5	0	5
1:02:21 PM	4	0	4
1:02:42 PM	3	0	3
1:03:24 PM	2	1	3
1:03:51 PM	3	0	3
1:04:34 PM	3	1	4
1:04:39 PM	3	2	5
1:05:09 PM	3	3	6
1:05:18 PM	3	4	7
1:05:30 PM	4	3	7
1:05:39 PM	4	4	8
1:05:51 PM	3	4	7
1:06:06 PM	4	3	7
1:06:28 PM	3	3	6
1:07:41 PM	2	3	5

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
5:21:21 PM	2	4	6
5:21:30 PM	2	5	7
5:21:40 PM	3	4	7
5:22:02 PM	4	3	7
5:22:19 PM	3	3	6
5:23:17 PM	4	2	6
5:23:19 PM	3	2	5
5:23:30 PM	3	3	6
5:24:02 PM	4	2	6
5:24:25 PM	3	2	5
5:24:40 PM	2	3	5
5:24:57 PM	3	2	5
5:25:38 PM	3	3	6
5:25:47 PM	3	3	6
5:26:18 PM	3	4	7
5:26:31 PM	4	5	9
5:27:19 PM	4	4	8
5:28:00 PM	3	4	7
5:28:16 PM	4	3	7
5:28:57 PM	4	2	6
5:29:08 PM	4	3	7
5:29:17 PM	4	4	8
5:29:28 PM	5	3	8
5:31:01 PM	5	4	9
5:31:20 PM	5	5	10
5:32:26 PM	5	4	9
5:33:20 PM	4	4	8
5:33:32 PM	5	3	8
5:33:47 PM	5	2	7
5:34:05 PM	4	3	7
5:34:30 PM	3	3	6
5:35:17 PM	4	2	6
5:36:02 PM	5	1	6
5:36:54 PM	5	2	7
5:37:20 PM	5	3	8
5:38:15 PM	4	2	6
5:39:39 PM	4	1	5
5:39:58 PM	4	2	6
5:40:33 PM	5	1	6
5:40:55 PM	4	1	5
5:42:02 PM	4	2	6
5:42:10 PM	4	3	7
5:42:13 PM	4	4	8
5:42:31 PM	4	3	7
5:42:51 PM	4	4	8
5:43:39 PM	4	3	7
5:43:57 PM	3	4	7
5:44:08 PM	3	5	8
5:44:39 PM	4	4	8
5:44:49 PM	3	4	7
5:45:01 PM	3	5	8
5:45:17 PM	3	6	9
5:47:23 PM	4	6	10
5:47:49 PM	3	7	10
5:48:09 PM	4	6	10
5:48:56 PM	3	7	10
5:50:01 PM	4	8	12
5:51:02 PM	5	8	13
5:51:32 PM	5	8	13
5:52:01 PM	5	7	12
5:53:08 PM	5	6	11
5:53:54 PM	5	6	11
5:54:40 PM	5	6	11
5:55:46 PM	5	6	11
5:56:11 PM	4	7	11
5:56:44 PM	5	6	11
5:56:57 PM	5	6	11

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Thursday
Date: 10/19/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:08:02 PM	3	2	5
1:08:23 PM	4	2	6
1:08:36 PM	4	3	7
1:09:07 PM	4	2	6
1:09:40 PM	4	3	7
1:10:25 PM	5	2	7
1:10:41 PM	4	1	5
1:10:49 PM	3	1	4
1:11:19 PM	4	0	4
1:12:40 PM	4	1	5
1:12:51 PM	3	1	4
1:12:57 PM	3	2	5
1:13:33 PM	4	1	5
1:13:59 PM	3	1	4
1:14:16 PM	4	1	5
1:14:28 PM	3	1	4
1:14:34 PM	3	2	5
1:14:41 PM	3	3	6
1:14:56 PM	3	4	7
1:15:40 PM	4	3	7
1:15:47 PM	4	4	8
1:16:06 PM	5	3	8
1:16:18 PM	5	4	9
1:16:23 PM	5	5	10
1:16:43 PM	5	5	10
1:17:19 PM	5	5	10
1:17:34 PM	4	5	9
1:17:49 PM	4	4	8
1:18:25 PM	5	3	8
1:18:37 PM	5	2	7
1:18:58 PM	5	1	6
1:19:33 PM	5	0	5
1:19:53 PM	5	1	6
1:20:07 PM	4	1	5
1:20:28 PM	5	0	5
1:20:48 PM	4	0	4
1:21:03 PM	4	1	5
1:21:09 PM	3	2	5
1:21:42 PM	4	1	5
1:21:54 PM	3	2	5
1:22:37 PM	2	3	5
1:22:51 PM	3	2	5
1:22:58 PM	2	2	4
1:23:34 PM	3	1	4
1:23:53 PM	3	2	5
1:24:01 PM	2	2	4
1:24:23 PM	3	1	4
1:24:54 PM	4	0	4
1:25:17 PM	4	1	5
1:25:50 PM	3	1	4
1:26:13 PM	2	1	3
1:26:21 PM	3	0	3
1:27:14 PM	3	1	4
1:27:23 PM	3	2	5
1:28:29 PM	3	3	6
1:28:30 PM	4	2	6
1:28:38 PM	5	1	6
1:29:53 PM	5	0	5
1:30:22 PM	5	1	6
1:30:46 PM	5	0	5
1:32:09 PM	4	0	4
1:32:11 PM	3	0	3
1:32:27 PM	2	0	2
1:32:40 PM	1	0	1
1:32:45 PM	0	1	1
1:33:00 PM	0	2	2
1:33:11 PM	1	1	2

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
5:57:48 PM	5	7	12
5:58:06 PM	5	6	11
5:58:22 PM	4	6	10
5:59:14 PM	5	6	11
6:00:00 PM	4	7	11
6:00:09 PM	5	6	11
6:01:23 PM	5	6	11
6:02:01 PM	5	6	11
6:02:33 PM	5	5	10
6:03:40 PM	5	4	9
6:04:39 PM	4	5	9
6:05:14 PM	3	6	9
6:05:30 PM	3	5	8
6:06:44 PM	2	5	7
6:06:55 PM	3	5	8
6:07:39 PM	2	6	8
6:07:56 PM	2	7	9
6:08:39 PM	3	6	9
6:08:51 PM	3	5	8
6:09:31 PM	4	4	8
6:09:42 PM	4	5	9
6:10:38 PM	4	6	10
6:11:19 PM	4	5	9
6:12:09 PM	3	5	8
6:12:44 PM	3	4	7
6:13:15 PM	3	3	6
6:13:54 PM	4	3	7
6:14:28 PM	3	3	6
6:14:52 PM	4	3	7
6:15:09 PM	4	4	8
6:15:35 PM	4	5	9
6:15:42 PM	4	6	10
6:15:59 PM	4	6	10
6:16:28 PM	3	7	10
6:16:51 PM	2	8	10
6:17:03 PM	3	7	10
6:17:49 PM	2	7	9
6:18:40 PM	3	6	9
6:19:02 PM	3	5	8
6:19:10 PM	3	6	9
6:19:38 PM	3	7	10
6:19:46 PM	4	6	10
6:20:15 PM	5	5	10
6:20:31 PM	5	6	11
6:20:40 PM	5	7	12
6:21:23 PM	5	7	12
6:21:32 PM	4	7	11
6:22:18 PM	4	7	11
6:22:58 PM	5	7	12
6:23:35 PM	4	8	12
6:24:13 PM	3	8	11
6:24:38 PM	4	8	12
6:25:17 PM	5	8	13
6:26:30 PM	4	7	11
6:26:49 PM	4	8	12
6:27:22 PM	3	9	12
6:28:28 PM	3	10	13
6:29:01 PM	4	9	13
6:29:10 PM	5	8	13
6:29:23 PM	5	7	12
6:30:26 PM	5	6	11
6:31:09 PM	5	6	11
6:32:38 PM	5	6	11
6:33:17 PM	5	7	12
6:33:27 PM	5	6	11
6:33:43 PM	4	6	10
6:34:05 PM	5	6	11

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Thursday
Date: 10/19/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:34:14 PM	2	0	2
1:34:36 PM	1	0	1
1:35:49 PM	1	1	2
1:36:10 PM	1	2	3
1:36:32 PM	2	1	3
1:37:29 PM	2	0	2
1:38:26 PM	2	1	3
1:39:04 PM	1	1	2
1:39:38 PM	0	1	1
1:39:56 PM	1	0	1
1:41:11 PM	0	1	1
1:42:01 PM	1	0	1
1:42:14 PM	1	1	2
1:42:20 PM	1	2	3
1:43:10 PM	2	1	3
1:43:24 PM	2	2	4
1:43:33 PM	3	1	4
1:43:41 PM	3	2	5
1:43:49 PM	3	3	6
1:44:43 PM	2	3	5
1:44:46 PM	2	3	5
1:45:07 PM	1	3	4
1:46:33 PM	2	2	4
1:47:15 PM	2	1	3
1:47:49 PM	3	0	3
1:48:26 PM	3	1	4
1:49:08 PM	4	0	4
1:49:24 PM	3	0	3
1:49:35 PM	2	0	2
1:49:44 PM	2	1	3
1:49:55 PM	2	2	4
1:50:26 PM	2	1	3
1:50:45 PM	1	1	2
1:50:59 PM	2	0	2
1:51:18 PM	2	1	3
1:51:35 PM	3	1	4
1:52:12 PM	2	2	4
1:52:47 PM	1	2	3
1:53:02 PM	1	3	4
1:53:23 PM	2	2	4
1:53:33 PM	1	2	3
1:53:47 PM	2	1	3
1:54:39 PM	3	0	3
1:54:48 PM	3	1	4
1:54:52 PM	2	2	4
1:55:37 PM	2	1	3
1:55:54 PM	3	0	3
1:56:17 PM	3	1	4
1:56:45 PM	4	1	5
1:56:59 PM	5	0	5
1:57:53 PM	5	1	6
1:58:21 PM	4	1	5
1:58:30 PM	4	2	6
1:58:38 PM	3	2	5
1:58:50 PM	3	1	4
1:59:06 PM	2	1	3
1:59:15 PM	1	1	2
1:59:19 PM	2	0	2
1:59:59 PM	1	0	1

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
6:34:22 PM	5	7	12
6:35:23 PM	5	6	11
6:35:51 PM	5	7	12
6:36:25 PM	5	7	12
6:36:35 PM	5	8	13
6:36:49 PM	4	8	12
6:37:17 PM	5	8	13
6:37:38 PM	5	9	14
6:38:25 PM	4	9	13
6:39:15 PM	5	8	13
6:39:51 PM	4	8	12
6:40:14 PM	4	7	11
6:40:27 PM	4	6	10
6:40:41 PM	3	6	9
6:41:36 PM	4	5	9
6:41:59 PM	4	6	10
6:42:10 PM	5	5	10
6:42:21 PM	4	5	9
6:42:35 PM	4	6	10
6:42:54 PM	4	5	9
6:43:10 PM	4	6	10
6:43:41 PM	5	6	11
6:44:04 PM	5	7	12
6:44:44 PM	5	6	11
6:45:11 PM	4	7	11
6:45:42 PM	4	6	10
6:46:00 PM	5	7	12
6:46:52 PM	4	8	12
6:47:01 PM	5	8	13
6:48:12 PM	4	7	11
6:48:48 PM	4	7	11
6:49:10 PM	5	8	13
6:49:51 PM	5	8	13
6:50:23 PM	5	8	13
6:51:03 PM	5	9	14
6:51:53 PM	5	9	14
6:52:45 PM	5	9	14
6:53:19 PM	4	10	14
6:54:04 PM	4	9	13
6:54:11 PM	3	10	13
6:55:15 PM	4	10	14
6:55:55 PM	5	9	14
6:56:16 PM	4	9	13
6:57:50 PM	4	9	13
6:58:39 PM	5	9	14
6:59:01 PM	5	9	14
6:59:33 PM	4	9	13
7:00:30 PM	3	9	12

Prepared by National Data & Surveying Services

Queue Study

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Saturday
Date: 10/14/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
11:00:00 AM	1	0	1
11:00:27 AM	0	0	0
11:00:45 AM	0	1	1
11:01:10 AM	1	2	3
11:01:47 AM	2	1	3
11:02:30 AM	2	2	4
11:02:50 AM	2	3	5
11:02:55 AM	2	2	4
11:03:34 AM	3	1	4
11:04:10 AM	2	1	3
11:04:57 AM	2	2	4
11:05:12 AM	3	1	4
11:05:30 AM	3	2	5
11:06:08 AM	2	1	3
11:06:27 AM	3	1	4
11:06:38 AM	4	0	4
11:07:19 AM	4	1	5
11:08:13 AM	5	0	5
11:09:33 AM	4	0	4
11:10:11 AM	3	0	3
11:10:56 AM	2	0	2
11:11:19 AM	1	0	1
11:11:51 AM	1	1	2
11:12:54 AM	2	0	2
11:12:59 AM	1	0	1
11:14:55 AM	1	1	2
11:15:26 AM	0	1	1
11:15:55 AM	1	0	1
11:17:49 AM	0	1	1
11:17:52 AM	1	0	1
11:17:59 AM	1	1	2
11:19:18 AM	0	1	1
11:20:41 AM	1	2	3
11:21:15 AM	2	1	3
11:21:46 AM	3	0	3
11:22:10 AM	3	1	4
11:22:32 AM	3	0	3
11:23:06 AM	2	0	2
11:23:25 AM	1	0	1
11:23:41 AM	0	0	0
11:27:18 AM	0	1	1
11:28:47 AM	1	0	1
11:29:18 AM	1	1	2
11:29:34 AM	1	2	3
11:29:52 AM	1	1	2
11:30:27 AM	2	1	3
11:30:59 AM	2	0	2
11:31:40 AM	1	0	1
11:31:58 AM	0	0	0
11:32:35 AM	0	2	2
11:34:45 AM	1	1	2
11:35:00 AM	2	3	5
11:35:36 AM	1	3	4
11:35:55 AM	2	2	4
11:36:12 AM	1	2	3
11:36:28 AM	1	3	4
11:36:45 AM	2	3	5

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
4:00:00 PM	3	6	9
4:00:28 PM	2	6	8
4:00:52 PM	3	6	9
4:01:09 PM	4	7	11
4:01:43 PM	3	7	10
4:02:24 PM	4	6	10
4:02:34 PM	3	6	9
4:02:54 PM	3	5	8
4:03:19 PM	2	4	6
4:03:57 PM	3	3	6
4:04:10 PM	2	4	6
4:04:42 PM	3	3	6
4:04:56 PM	2	4	6
4:05:26 PM	3	3	6
4:05:43 PM	2	3	5
4:06:10 PM	1	3	4
4:06:15 PM	2	2	4
4:06:49 PM	3	1	4
4:07:23 PM	4	0	4
4:07:35 PM	4	1	5
4:07:49 PM	4	2	6
4:08:20 PM	5	1	6
4:08:40 PM	5	2	7
4:09:03 PM	4	2	6
4:09:22 PM	5	3	8
4:09:44 PM	4	3	7
4:09:58 PM	3	3	6
4:10:35 PM	2	3	5
4:10:45 PM	3	3	6
4:11:24 PM	2	3	5
4:11:30 PM	3	2	5
4:11:58 PM	2	3	5
4:12:18 PM	1	3	4
4:12:27 PM	2	3	5
4:12:44 PM	3	2	5
4:13:12 PM	4	1	5
4:14:17 PM	4	0	4
4:14:56 PM	3	0	3
4:15:07 PM	3	1	4
4:15:51 PM	2	1	3
4:16:10 PM	2	2	4
4:16:25 PM	2	3	5
4:16:41 PM	3	2	5
4:17:02 PM	4	1	5
4:17:34 PM	5	0	5
4:18:10 PM	5	1	6
4:18:20 PM	4	1	5
4:18:46 PM	4	2	6
4:19:00 PM	3	2	5
4:19:19 PM	4	1	5
4:19:39 PM	3	1	4
4:19:49 PM	3	2	5
4:20:07 PM	4	1	5
4:20:19 PM	3	2	5
4:20:50 PM	4	1	5
4:21:01 PM	3	1	4
4:21:09 PM	3	2	5

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Saturday
Date: 10/14/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
11:37:05 AM	1	3	4
11:37:32 AM	1	6	7
11:38:45 AM	0	6	6
11:39:26 AM	1	7	8
11:39:59 AM	2	7	9
11:41:04 AM	1	11	12
11:41:24 AM	2	8	10
11:42:05 AM	3	5	8
11:43:12 AM	3	5	8
11:44:20 AM	2	6	8
11:44:47 AM	2	5	7
11:45:28 AM	3	6	9
11:45:46 AM	2	6	8
11:45:51 AM	3	6	9
11:46:29 AM	4	7	11
11:46:55 AM	3	7	10
11:47:12 AM	4	8	12
11:48:16 AM	5	7	12
11:48:26 AM	4	7	11
11:49:14 AM	5	4	9
11:49:28 AM	4	4	8
11:49:57 AM	5	3	8
11:50:59 AM	5	4	9
11:52:11 AM	5	5	10
11:52:51 AM	5	4	9
11:53:21 AM	4	3	7
11:54:19 AM	3	4	7
11:54:37 AM	3	3	6
11:54:57 AM	3	2	5
11:55:28 AM	3	2	5
11:55:48 AM	3	3	6
11:56:24 AM	2	3	5
11:56:41 AM	3	3	6
11:56:59 AM	2	2	4
11:57:23 AM	2	4	6
11:57:42 AM	1	4	5
11:57:59 AM	2	3	5
11:58:16 AM	2	4	6
11:58:31 AM	1	4	5
11:58:41 AM	2	3	5
11:58:59 AM	2	5	7
11:59:09 AM	1	6	7
11:59:35 AM	2	5	7
12:00:21 PM	2	4	6
12:01:04 PM	3	3	6
12:01:29 PM	4	2	6
12:01:39 PM	3	2	5
12:02:00 PM	4	1	5
12:02:15 PM	3	1	4
12:02:34 PM	3	2	5
12:02:49 PM	4	1	5
12:03:15 PM	3	1	4
12:03:27 PM	2	3	5
12:03:38 PM	3	2	5
12:04:01 PM	4	1	5
12:04:40 PM	3	0	3
12:05:30 PM	3	2	5
12:05:45 PM	2	2	4
12:06:15 PM	2	1	3
12:06:35 PM	1	2	3
12:06:46 PM	2	1	3
12:07:10 PM	2	2	4

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
4:21:25 PM	3	3	6
4:22:07 PM	4	2	6
4:22:19 PM	3	2	5
4:22:45 PM	4	1	5
4:23:04 PM	5	0	5
4:23:22 PM	5	1	6
4:24:17 PM	4	1	5
4:24:48 PM	5	0	5
4:25:28 PM	4	0	4
4:26:46 PM	3	0	3
4:26:58 PM	3	1	4
4:27:37 PM	2	1	3
4:28:33 PM	3	0	3
4:28:44 PM	2	0	2
4:29:43 PM	1	0	1
4:30:14 PM	0	0	0
4:31:46 PM	0	1	1
4:31:48 PM	0	2	2
4:32:31 PM	1	1	2
4:33:38 PM	2	0	2
4:33:51 PM	1	0	1
4:34:27 PM	1	1	2
4:34:58 PM	2	0	2
4:35:08 PM	1	0	1
4:35:58 PM	0	0	0
4:36:08 PM	0	1	1
4:37:40 PM	1	1	2
4:38:17 PM	2	0	2
4:39:21 PM	2	1	3
4:40:02 PM	3	0	3
4:40:12 PM	2	0	2
4:40:23 PM	2	1	3
4:40:34 PM	1	1	2
4:40:44 PM	1	2	3
4:40:57 PM	2	1	3
4:41:20 PM	3	0	3
4:41:32 PM	2	1	3
4:41:46 PM	1	1	2
4:42:15 PM	2	0	2
4:42:41 PM	1	0	1
4:43:02 PM	0	0	0
4:43:13 PM	0	1	1
4:43:28 PM	1	1	2
4:44:25 PM	1	2	3
4:44:40 PM	1	3	4
4:44:56 PM	0	4	4
4:45:25 PM	1	4	5
4:45:59 PM	1	4	5
4:46:20 PM	1	5	6
4:46:32 PM	2	4	6
4:46:52 PM	2	4	6
4:47:28 PM	1	4	5
4:48:26 PM	2	3	5
4:48:36 PM	1	5	6
4:49:44 PM	2	6	8
4:50:19 PM	1	6	7
4:50:46 PM	0	6	6
4:51:12 PM	1	5	6
4:51:56 PM	2	4	6
4:52:42 PM	3	4	7
4:53:21 PM	4	3	7
4:53:42 PM	4	2	6

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Saturday
Date: 10/14/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:07:32 PM	3	1	4
12:07:50 PM	3	2	5
12:08:00 PM	2	2	4
12:08:15 PM	3	2	5
12:08:40 PM	2	3	5
12:08:50 PM	1	5	6
12:09:44 PM	1	4	5
12:10:09 PM	1	4	5
12:11:02 PM	2	3	5
12:11:21 PM	3	2	5
12:11:32 PM	4	1	5
12:11:47 PM	3	2	5
12:12:42 PM	4	1	5
12:13:22 PM	3	3	6
12:13:49 PM	2	3	5
12:13:57 PM	2	2	4
12:14:21 PM	3	2	5
12:14:30 PM	2	2	4
12:14:51 PM	1	2	3
12:15:08 PM	1	3	4
12:15:22 PM	1	4	5
12:15:42 PM	1	4	5
12:15:55 PM	1	4	5
12:16:37 PM	2	4	6
12:16:57 PM	1	4	5
12:17:18 PM	2	3	5
12:17:37 PM	1	3	4
12:18:04 PM	1	4	5
12:18:27 PM	2	3	5
12:19:07 PM	1	4	5
12:19:27 PM	0	4	4
12:19:40 PM	1	3	4
12:20:01 PM	2	2	4
12:20:43 PM	2	2	4
12:21:01 PM	3	1	4
12:21:36 PM	4	0	4
12:21:51 PM	3	0	3
12:22:10 PM	2	0	2
12:22:24 PM	2	1	3
12:22:33 PM	1	2	3
12:22:49 PM	2	1	3
12:23:12 PM	2	2	4
12:23:21 PM	2	1	3
12:23:41 PM	2	2	4
12:23:51 PM	2	3	5
12:23:59 PM	2	2	4
12:24:36 PM	3	1	4
12:24:52 PM	2	1	3
12:25:38 PM	1	2	3
12:26:13 PM	1	1	2
12:26:24 PM	1	2	3
12:26:39 PM	2	2	4
12:27:27 PM	3	1	4
12:28:11 PM	4	1	5
12:28:23 PM	3	3	6
12:28:37 PM	2	3	5
12:29:25 PM	2	2	4
12:29:39 PM	2	3	5
12:29:54 PM	3	2	5
12:30:14 PM	2	3	5
12:30:48 PM	1	4	5
12:31:15 PM	0	4	4

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
4:54:24 PM	3	2	5
4:54:53 PM	3	1	4
4:55:39 PM	3	0	3
4:55:53 PM	3	1	4
4:56:06 PM	2	1	3
4:56:21 PM	3	0	3
4:56:32 PM	3	1	4
4:56:47 PM	3	2	5
4:57:17 PM	3	3	6
4:57:57 PM	3	2	5
4:58:21 PM	4	1	5
4:59:03 PM	3	1	4
4:59:32 PM	3	2	5
4:59:48 PM	2	2	4
5:00:01 PM	3	1	4
5:00:40 PM	2	1	3
5:01:08 PM	3	0	3
5:01:29 PM	2	0	2
5:01:38 PM	2	1	3
5:01:52 PM	2	2	4
5:02:27 PM	2	3	5
5:02:43 PM	1	4	5
5:03:24 PM	2	4	6
5:04:00 PM	1	4	5
5:04:34 PM	2	3	5
5:04:55 PM	2	4	6
5:05:44 PM	3	4	7
5:05:49 PM	3	4	7
5:06:16 PM	2	4	6
5:06:51 PM	2	3	5
5:06:59 PM	1	4	5
5:07:10 PM	2	4	6
5:07:30 PM	3	3	6
5:08:48 PM	3	4	7
5:08:58 PM	2	4	6
5:09:11 PM	3	3	6
5:09:25 PM	3	4	7
5:09:51 PM	3	4	7
5:10:15 PM	2	4	6
5:10:39 PM	3	3	6
5:11:10 PM	2	3	5
5:11:40 PM	1	4	5
5:12:03 PM	2	3	5
5:12:16 PM	3	3	6
5:13:12 PM	2	5	7
5:14:24 PM	2	7	9
5:14:50 PM	3	6	9
5:15:13 PM	3	6	9
5:15:25 PM	2	5	7
5:16:16 PM	3	4	7
5:17:12 PM	4	5	9
5:18:13 PM	3	7	10
5:18:29 PM	2	7	9
5:18:39 PM	3	5	8
5:18:59 PM	3	7	10
5:19:15 PM	4	6	10
5:19:27 PM	4	8	12
5:19:41 PM	4	5	9
5:20:30 PM	3	7	10
5:20:42 PM	4	7	11
5:21:04 PM	3	8	11
5:21:42 PM	4	7	11

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Saturday
Date: 10/14/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:31:26 PM	1	4	5
12:32:06 PM	2	3	5
12:33:10 PM	1	3	4
12:33:40 PM	2	3	5
12:35:10 PM	2	4	6
12:35:32 PM	3	4	7
12:35:51 PM	2	5	7
12:36:22 PM	2	5	7
12:36:50 PM	2	6	8
12:37:17 PM	1	6	7
12:37:44 PM	2	6	8
12:38:50 PM	1	7	8
12:39:07 PM	2	9	11
12:39:34 PM	2	7	9
12:40:41 PM	3	8	11
12:40:57 PM	3	9	12
12:41:21 PM	2	9	11
12:41:38 PM	3	10	13
12:42:17 PM	2	10	12
12:42:36 PM	3	9	12
12:42:50 PM	2	10	12
12:43:21 PM	1	9	10
12:43:41 PM	2	8	10
12:44:21 PM	2	5	7
12:44:44 PM	3	5	8
12:45:20 PM	2	5	7
12:45:46 PM	3	6	9
12:46:22 PM	2	6	8
12:46:56 PM	2	6	8
12:47:48 PM	3	5	8
12:48:11 PM	4	4	8
12:48:32 PM	3	9	12
12:48:49 PM	4	7	11
12:49:24 PM	4	4	8
12:50:08 PM	4	4	8
12:50:55 PM	3	4	7
12:51:43 PM	4	6	10
12:51:57 PM	3	7	10
12:52:18 PM	3	6	9
12:52:55 PM	2	6	8
12:52:59 PM	3	6	9
12:53:48 PM	2	6	8
12:54:00 PM	3	6	9
12:54:32 PM	4	5	9
12:55:21 PM	5	7	12
12:55:40 PM	4	7	11
12:55:56 PM	3	8	11
12:56:16 PM	3	6	9
12:56:45 PM	2	6	8
12:57:06 PM	3	6	9
12:57:44 PM	2	6	8
12:57:59 PM	3	7	10
12:58:25 PM	4	8	12
12:59:01 PM	4	8	12
12:59:24 PM	3	8	11
1:00:19 PM	4	10	14
1:00:28 PM	3	10	13
1:00:47 PM	2	7	9
1:01:06 PM	3	7	10
1:01:34 PM	3	4	7
1:02:14 PM	4	3	7
1:02:33 PM	3	3	6

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
5:21:54 PM	3	7	10
5:22:08 PM	4	8	12
5:22:35 PM	3	7	10
5:22:46 PM	4	7	11
5:23:06 PM	3	9	12
5:23:18 PM	4	8	12
5:24:13 PM	5	7	12
5:24:28 PM	4	8	12
5:24:56 PM	5	7	12
5:25:11 PM	4	6	10
5:25:28 PM	3	6	9
5:25:46 PM	4	7	11
5:26:10 PM	3	7	10
5:26:35 PM	4	6	10
5:26:51 PM	3	6	9
5:27:02 PM	2	7	9
5:27:53 PM	3	8	11
5:28:25 PM	2	8	10
5:28:46 PM	1	8	9
5:29:17 PM	2	6	8
5:29:38 PM	3	4	7
5:30:00 PM	4	4	8
5:30:11 PM	3	4	7
5:30:38 PM	4	3	7
5:31:19 PM	3	3	6
5:31:43 PM	4	2	6
5:31:56 PM	4	3	7
5:32:24 PM	2	4	6
5:32:37 PM	3	4	7
5:33:09 PM	2	5	7
5:34:07 PM	3	3	6
5:34:29 PM	3	4	7
5:35:42 PM	2	4	6
5:36:06 PM	1	5	6
5:36:47 PM	2	6	8
5:37:35 PM	2	5	7
5:38:30 PM	3	8	11
5:39:02 PM	3	5	8
5:39:37 PM	3	3	6
5:40:01 PM	2	3	5
5:40:23 PM	2	2	4
5:40:38 PM	2	3	5
5:41:17 PM	3	2	5
5:42:03 PM	4	1	5
5:42:30 PM	4	0	4
5:43:07 PM	3	0	3
5:43:30 PM	2	0	2
5:45:15 PM	1	0	1
5:45:45 PM	0	0	0
5:46:42 PM	0	1	1
5:47:10 PM	0	2	2
5:47:24 PM	0	3	3
5:47:58 PM	1	2	3
5:48:14 PM	1	3	4
5:48:38 PM	2	3	5
5:49:08 PM	3	4	7
5:49:32 PM	2	4	6
5:50:04 PM	1	6	7
5:50:19 PM	2	5	7
5:50:38 PM	2	7	9
5:50:50 PM	1	6	7
5:51:18 PM	2	6	8

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Saturday
Date: 10/14/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:02:59 PM	4	4	8
1:03:17 PM	5	4	9
1:03:58 PM	4	5	9
1:04:15 PM	5	4	9
1:04:34 PM	4	4	8
1:04:48 PM	3	4	7
1:05:07 PM	5	3	8
1:05:42 PM	4	3	7
1:06:08 PM	3	4	7
1:06:21 PM	3	4	7
1:06:59 PM	2	4	6
1:07:25 PM	1	4	5
1:07:47 PM	2	4	6
1:08:06 PM	1	4	5
1:08:21 PM	2	3	5
1:08:38 PM	3	3	6
1:09:13 PM	2	3	5
1:09:39 PM	1	3	4
1:09:59 PM	2	5	7
1:10:27 PM	3	4	7
1:10:40 PM	2	4	6
1:10:58 PM	3	4	7
1:11:11 PM	2	5	7
1:11:49 PM	3	4	7
1:12:21 PM	2	5	7
1:12:55 PM	2	4	6
1:13:40 PM	3	5	8
1:14:00 PM	2	5	7
1:14:10 PM	3	4	7
1:14:30 PM	2	5	7
1:14:37 PM	3	4	7
1:14:55 PM	2	3	5
1:15:29 PM	2	4	6
1:15:52 PM	1	4	5
1:16:06 PM	2	3	5
1:16:22 PM	2	4	6
1:16:35 PM	1	5	6
1:17:15 PM	0	5	5
1:17:39 PM	1	5	6
1:18:05 PM	2	4	6
1:18:30 PM	3	4	7
1:18:49 PM	3	4	7
1:19:42 PM	4	5	9
1:20:13 PM	3	5	8
1:20:37 PM	5	4	9
1:20:57 PM	4	4	8
1:21:12 PM	3	7	10
1:22:19 PM	3	5	8
1:22:45 PM	2	5	7
1:22:59 PM	3	6	9
1:23:37 PM	2	7	9
1:23:51 PM	3	6	9
1:24:11 PM	3	5	8
1:24:22 PM	2	7	9
1:24:58 PM	1	8	9
1:25:14 PM	2	6	8
1:25:41 PM	2	5	7
1:25:58 PM	3	4	7
1:26:13 PM	2	6	8
1:27:01 PM	3	5	8
1:27:13 PM	2	4	6
1:27:34 PM	1	4	5

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
5:51:55 PM	3	6	9
5:52:42 PM	4	8	12
5:53:21 PM	5	8	13
5:55:28 PM	4	6	10
5:56:58 PM	5	6	11
5:57:18 PM	4	6	10
5:57:49 PM	5	7	12
5:58:22 PM	5	6	11
5:58:59 PM	4	6	10
5:59:30 PM	5	7	12
5:59:49 PM	4	6	10
6:00:23 PM	5	6	11
6:01:35 PM	4	5	9
6:02:06 PM	3	5	8
6:02:20 PM	4	5	9
6:02:47 PM	3	6	9
6:03:27 PM	4	6	10
6:03:58 PM	3	5	8
6:04:10 PM	2	5	7
6:04:19 PM	2	4	6
6:05:26 PM	3	5	8
6:05:56 PM	2	5	7
6:06:34 PM	3	4	7
6:07:01 PM	4	3	7
6:07:37 PM	5	2	7
6:08:41 PM	5	3	8
6:08:49 PM	5	4	9
6:09:48 PM	4	7	11
6:09:59 PM	5	6	11
6:10:26 PM	4	5	9
6:10:42 PM	5	7	12
6:11:15 PM	4	7	11
6:11:28 PM	4	7	11
6:11:54 PM	3	7	10
6:12:12 PM	4	6	10
6:12:35 PM	4	6	10
6:12:51 PM	3	5	8
6:13:11 PM	3	5	8
6:13:28 PM	2	5	7
6:13:48 PM	3	3	6
6:14:49 PM	4	3	7
6:15:04 PM	3	2	5
6:15:17 PM	3	3	6
6:15:28 PM	2	2	4
6:15:39 PM	3	3	6
6:15:52 PM	3	5	8
6:16:10 PM	3	4	7
6:16:33 PM	4	4	8
6:16:53 PM	5	6	11
6:17:22 PM	5	6	11
6:17:37 PM	5	8	13
6:17:52 PM	4	8	12
6:18:04 PM	5	5	10
6:18:23 PM	5	6	11
6:19:57 PM	5	6	11
6:20:48 PM	5	5	10
6:21:15 PM	4	5	9
6:21:36 PM	3	5	8
6:21:44 PM	4	5	9
6:21:59 PM	4	5	9
6:22:13 PM	4	4	8
6:22:29 PM	3	4	7

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Saturday
Date: 10/14/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:28:20 PM	2	4	6
1:28:42 PM	2	5	7
1:28:59 PM	3	4	7
1:29:33 PM	4	4	8
1:29:47 PM	3	4	7
1:30:33 PM	4	3	7
1:30:48 PM	3	3	6
1:31:26 PM	3	4	7
1:31:45 PM	4	3	7
1:32:02 PM	3	3	6
1:32:37 PM	4	2	6
1:32:51 PM	3	2	5
1:33:09 PM	3	1	4
1:33:36 PM	3	2	5
1:33:46 PM	4	2	6
1:34:13 PM	4	3	7
1:34:25 PM	4	4	8
1:34:43 PM	5	4	9
1:35:03 PM	5	5	10
1:35:30 PM	4	4	8
1:36:12 PM	4	3	7
1:36:41 PM	3	3	6
1:37:03 PM	2	3	5
1:37:20 PM	3	4	7
1:38:01 PM	4	3	7
1:38:15 PM	5	4	9
1:38:38 PM	5	5	10
1:39:40 PM	4	5	9
1:40:14 PM	5	4	9
1:40:33 PM	4	4	8
1:40:43 PM	4	5	9
1:41:01 PM	5	4	9
1:41:17 PM	4	3	7
1:41:30 PM	3	2	5
1:42:00 PM	3	3	6
1:42:30 PM	2	3	5
1:42:35 PM	3	4	7
1:43:11 PM	2	4	6
1:43:38 PM	3	3	6
1:43:52 PM	2	3	5
1:44:49 PM	3	2	5
1:45:00 PM	3	3	6
1:46:30 PM	3	4	7
1:46:43 PM	2	4	6
1:47:17 PM	1	4	5
1:47:27 PM	2	3	5
1:47:49 PM	2	4	6
1:48:13 PM	1	5	6
1:48:36 PM	2	4	6
1:49:08 PM	1	5	6
1:49:42 PM	2	4	6
1:50:05 PM	2	4	6
1:50:52 PM	2	4	6
1:51:10 PM	3	4	7
1:51:44 PM	3	5	8
1:51:55 PM	3	3	6
1:52:06 PM	2	5	7
1:52:42 PM	3	5	8
1:52:58 PM	2	5	7
1:53:14 PM	3	4	7
1:53:32 PM	2	5	7
1:53:50 PM	1	5	6

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
6:22:46 PM	3	4	7
6:23:10 PM	4	4	8
6:23:27 PM	4	5	9
6:23:43 PM	5	5	10
6:24:01 PM	5	5	10
6:24:40 PM	4	5	9
6:24:48 PM	5	5	10
6:25:30 PM	4	5	9
6:25:46 PM	5	7	12
6:25:58 PM	4	7	11
6:26:10 PM	3	7	10
6:26:30 PM	2	7	9
6:26:41 PM	3	5	8
6:27:08 PM	2	5	7
6:27:50 PM	1	4	5
6:28:17 PM	2	4	6
6:29:19 PM	1	4	5
6:30:01 PM	2	3	5
6:30:10 PM	3	3	6
6:30:32 PM	4	3	7
6:31:00 PM	3	3	6
6:31:12 PM	4	2	6
6:31:44 PM	4	3	7
6:31:56 PM	5	3	8
6:32:13 PM	4	3	7
6:32:21 PM	5	2	7
6:32:43 PM	4	2	6
6:32:54 PM	4	3	7
6:33:16 PM	3	3	6
6:33:30 PM	4	2	6
6:33:38 PM	3	1	4
6:33:52 PM	3	2	5
6:34:17 PM	2	2	4
6:34:42 PM	3	2	5
6:35:01 PM	2	2	4
6:35:19 PM	1	2	3
6:35:29 PM	2	1	3
6:35:43 PM	2	2	4
6:35:55 PM	2	3	5
6:36:28 PM	3	2	5
6:36:42 PM	3	3	6
6:36:54 PM	4	2	6
6:37:23 PM	3	2	5
6:38:08 PM	3	3	6
6:38:36 PM	2	3	5
6:38:51 PM	3	2	5
6:39:09 PM	2	2	4
6:39:24 PM	2	1	3
6:39:53 PM	2	2	4
6:40:04 PM	3	2	5
6:40:20 PM	3	3	6
6:40:32 PM	2	3	5
6:40:50 PM	2	4	6
6:40:58 PM	3	4	7
6:41:21 PM	3	6	9
6:41:40 PM	4	5	9
6:42:42 PM	5	5	10
6:43:08 PM	4	5	9
6:43:26 PM	5	4	9
6:43:57 PM	4	4	8
6:44:14 PM	3	4	7
6:44:31 PM	4	3	7

Locations: 17-1215-001
City: Laguna Hills,CA

Day: Saturday
Date: 10/14/2017

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:54:05 PM	2	5	7
1:54:28 PM	3	4	7
1:54:59 PM	4	5	9
1:55:13 PM	3	5	8
1:56:03 PM	3	4	7
1:56:18 PM	3	5	8
1:56:31 PM	3	4	7
1:57:05 PM	3	5	8
1:57:37 PM	3	7	10
1:57:56 PM	4	6	10
1:58:31 PM	3	5	8
1:59:01 PM	4	4	8
1:59:25 PM	4	6	10
1:59:46 PM	5	5	10
2:00:00 PM	4	6	10

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
6:44:58 PM	3	4	7
6:45:12 PM	4	3	7
6:45:26 PM	3	3	6
6:45:47 PM	4	2	6
6:46:01 PM	3	2	5
6:46:15 PM	4	1	5
6:46:36 PM	4	2	6
6:46:58 PM	3	2	5
6:47:10 PM	3	3	6
6:47:29 PM	2	3	5
6:47:47 PM	2	4	6
6:47:58 PM	3	4	7
6:48:11 PM	3	5	8
6:48:40 PM	4	4	8
6:49:01 PM	3	4	7
6:49:16 PM	4	3	7
6:49:30 PM	3	3	6
6:49:43 PM	3	4	7
6:50:03 PM	4	3	7
6:50:26 PM	3	3	6
6:50:48 PM	3	2	5
6:51:49 PM	2	2	4
6:52:11 PM	3	1	4
6:52:39 PM	4	0	4
6:53:33 PM	4	1	5
6:53:44 PM	3	1	4
6:54:01 PM	4	0	4
6:54:29 PM	4	1	5
6:54:43 PM	3	1	4
6:54:59 PM	3	2	5
6:55:10 PM	4	1	5
6:55:39 PM	3	1	4
6:55:51 PM	3	2	5
6:56:04 PM	2	2	4
6:56:29 PM	2	1	3
6:56:42 PM	2	2	4
6:56:56 PM	3	1	4
6:57:09 PM	2	1	3
6:57:20 PM	3	0	3
6:57:46 PM	2	0	2
6:58:02 PM	1	0	1
6:58:39 PM	1	1	2
6:59:02 PM	0	1	1
6:59:17 PM	0	2	2
6:59:29 PM	1	1	2
7:00:00 PM	1	1	2

Prepared by National Data & Surveying Services

Queue Study

Project: 18-1161
City: Orange

Date: 8/22/2018
Day: Wednesday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:00:00 PM	1	2	3
12:01:05 PM	1	3	4
12:01:10 PM	2	2	4
12:01:35 PM	1	3	4
12:01:50 PM	2	3	5
12:02:07 PM	2	3	5
12:02:49 PM	2	5	7
12:03:38 PM	3	4	7
12:04:03 PM	2	3	5
12:04:16 PM	1	5	6
12:04:34 PM	2	5	7
12:04:48 PM	2	4	6
12:05:08 PM	2	3	5
12:05:33 PM	2	3	5
12:05:46 PM	3	2	5
12:06:10 PM	2	2	4
12:06:30 PM	1	2	3
12:06:45 PM	2	1	3
12:06:53 PM	2	2	4
12:07:01 PM	2	3	5
12:07:14 PM	3	3	6
12:07:47 PM	3	2	5
12:08:01 PM	3	2	5
12:08:23 PM	4	1	5
12:08:38 PM	3	1	4
12:08:53 PM	2	1	3
12:09:14 PM	2	2	4
12:09:28 PM	3	1	4
12:09:33 PM	3	2	5
12:09:50 PM	3	2	5
12:10:05 PM	2	2	4
12:10:12 PM	3	1	4
12:10:21 PM	2	1	3
12:10:44 PM	2	2	4
12:10:49 PM	2	3	5
12:10:50 PM	2	3	5
12:11:07 PM	3	2	5
12:11:23 PM	3	3	6
12:11:37 PM	3	4	7
12:11:50 PM	4	3	7
12:12:01 PM	4	4	8
12:13:16 PM	4	3	7
12:13:21 PM	4	7	11
12:13:31 PM	4	8	12
12:13:43 PM	4	9	13
12:14:25 PM	4	10	14
12:15:39 PM	4	8	12

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
7:01:36 PM	4	10	14
7:01:49 PM	2	10	12
7:02:39 PM	2	10	12
7:03:06 PM	2	10	12
7:03:20 PM	2	9	11
7:03:31 PM	1	9	10
7:03:48 PM	2	9	11
7:03:55 PM	2	9	11
7:04:28 PM	2	9	11
7:04:48 PM	2	8	10
7:05:15 PM	1	7	8
7:05:23 PM	2	7	9
7:05:59 PM	3	8	11
7:06:31 PM	2	7	9
7:06:59 PM	1	7	8
7:07:13 PM	2	7	9
7:07:45 PM	3	8	11
7:08:17 PM	4	8	12
7:08:30 PM	3	9	12
7:08:55 PM	4	8	12
7:09:18 PM	4	9	13
7:09:56 PM	5	8	13
7:10:33 PM	5	9	14
7:10:56 PM	4	8	12
7:11:19 PM	4	8	12
7:11:34 PM	3	8	11
7:12:18 PM	3	8	11
7:13:07 PM	4	8	12
7:13:10 PM	3	6	9
7:13:31 PM	2	6	8
7:13:56 PM	3	8	11
7:14:07 PM	2	9	11
7:14:57 PM	3	9	12
7:15:03 PM	2	9	11
7:15:44 PM	2	9	11
7:16:07 PM	3	8	11
7:16:44 PM	4	9	13
7:17:17 PM	3	9	12
7:17:38 PM	2	9	11
7:17:51 PM	2	9	11
7:18:01 PM	3	8	11
7:18:31 PM	4	9	13
7:19:15 PM	5	8	13
7:19:25 PM	4	10	14
7:20:05 PM	3	10	13
7:20:21 PM	3	10	13
7:20:37 PM	2	10	12

Wednesday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/22/2018
Day: Wednesday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:15:50 PM	5	8	13
12:16:18 PM	5	7	12
12:16:41 PM	4	5	9
12:17:01 PM	3	5	8
12:17:22 PM	4	5	9
12:17:34 PM	3	3	6
12:17:55 PM	2	3	5
12:18:01 PM	2	3	5
12:18:34 PM	1	3	4
12:18:53 PM	1	3	4
12:19:21 PM	1	4	5
12:19:29 PM	2	5	7
12:19:49 PM	2	5	7
12:20:18 PM	3	3	6
12:20:31 PM	2	4	6
12:20:45 PM	2	4	6
12:20:59 PM	2	5	7
12:21:05 PM	2	6	8
12:21:27 PM	3	4	7
12:21:44 PM	2	4	6
12:21:54 PM	3	4	7
12:22:05 PM	2	4	6
12:22:12 PM	3	3	6
12:22:28 PM	2	3	5
12:22:43 PM	2	3	5
12:22:49 PM	3	2	5
12:22:57 PM	3	3	6
12:23:06 PM	2	3	5
12:23:23 PM	2	3	5
12:23:30 PM	0	3	3
12:24:02 PM	2	3	5
12:24:19 PM	2	4	6
12:24:30 PM	1	4	5
12:25:06 PM	1	3	4
12:25:25 PM	1	4	5
12:25:32 PM	1	4	5
12:26:00 PM	2	3	5
12:26:17 PM	2	4	6
12:26:35 PM	2	4	6
12:26:47 PM	1	4	5
12:27:45 PM	2	4	6
12:27:44 PM	3	3	6
12:27:58 PM	3	4	7
12:28:15 PM	3	5	8
12:28:37 PM	4	7	11
12:28:55 PM	4	7	11
12:29:27 PM	3	5	8
12:29:54 PM	2	5	7
12:30:12 PM	3	3	6
12:30:31 PM	2	3	5
12:30:50 PM	3	4	7

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
7:20:55 PM	4	10	14
7:21:22 PM	4	9	13
7:21:41 PM	3	10	13
7:21:53 PM	4	8	12
7:22:21 PM	5	9	14
7:22:35 PM	3	9	12
7:22:54 PM	2	9	11
7:23:09 PM	4	9	13
7:23:19 PM	3	9	12
7:23:34 PM	2	9	11
7:23:48 PM	2	9	11
7:24:05 PM	2	9	11
7:24:10 PM	3	9	12
7:24:44 PM	2	8	10
7:24:55 PM	3	8	11
7:25:03 PM	2	9	11
7:25:15 PM	3	8	11
7:25:28 PM	2	8	10
7:25:44 PM	2	9	11
7:25:58 PM	3	8	11
7:26:11 PM	2	9	11
7:26:35 PM	3	8	11
7:26:54 PM	4	7	11
7:27:07 PM	3	6	9
7:27:33 PM	3	6	9
7:27:47 PM	3	6	9
7:28:10 PM	3	7	10
7:29:10 PM	4	7	11
7:29:35 PM	5	7	12
7:29:47 PM	4	8	12
7:30:18 PM	5	7	12
7:30:42 PM	3	7	10
7:31:16 PM	4	7	11
7:31:42 PM	4	7	11
7:31:52 PM	5	6	11
7:32:04 PM	4	6	10
7:32:24 PM	3	6	9
7:32:36 PM	4	7	11
7:32:46 PM	3	7	10
7:33:05 PM	4	6	10
7:33:27 PM	3	7	10
7:33:40 PM	4	6	10
7:34:21 PM	4	5	9
7:34:52 PM	3	5	8
7:35:08 PM	3	5	8
7:36:07 PM	3	6	9
7:36:16 PM	3	5	8
7:36:36 PM	4	4	8
7:37:19 PM	5	3	8
7:37:43 PM	4	3	7
7:37:55 PM	5	2	7

Wednesday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/22/2018
Day: Wednesday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:31:40 PM	4	3	7
12:31:59 PM	4	3	7
12:32:25 PM	4	4	8
12:32:46 PM	3	4	7
12:33:06 PM	2	4	6
12:33:11 PM	2	3	5
12:33:26 PM	2	4	6
12:33:43 PM	1	4	5
12:33:55 PM	2	3	5
12:34:08 PM	2	4	6
12:34:15 PM	2	5	7
12:34:32 PM	2	5	7
12:34:50 PM	2	6	8
12:35:10 PM	3	6	9
12:35:22 PM	3	6	9
12:35:45 PM	3	4	7
12:36:17 PM	3	4	7
12:36:38 PM	3	4	7
12:36:54 PM	3	3	6
12:37:25 PM	3	6	9
12:38:05 PM	5	5	10
12:40:02 PM	5	4	9
12:40:39 PM	2	4	6
12:40:42 PM	3	3	6
12:41:08 PM	2	3	5
12:41:25 PM	2	4	6
12:41:39 PM	1	4	5
12:41:05 PM	2	6	8
12:42:28 PM	2	7	9
12:42:38 PM	3	6	9
12:43:34 PM	2	5	7
12:44:09 PM	2	6	8
12:44:46 PM	2	5	7
12:45:04 PM	2	5	7
12:45:30 PM	3	4	7
12:45:45 PM	2	4	6
12:46:01 PM	3	4	7
12:46:24 PM	4	5	9
12:47:00 PM	5	4	9
12:47:36 PM	4	4	8
12:47:54 PM	5	4	9
12:48:21 PM	4	4	8
12:48:49 PM	4	3	7
12:48:57 PM	4	3	7
12:49:23 PM	3	3	6
12:49:44 PM	5	2	7
12:49:59 PM	4	2	6
12:50:31 PM	3	3	6
12:50:47 PM	4	3	7
12:51:10 PM	3	6	9
12:51:38 PM	4	5	9

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
7:38:10 PM	5	3	8
7:38:37 PM	4	4	8
7:38:58 PM	3	4	7
7:39:14 PM	4	3	7
7:39:19 PM	4	3	7
7:40:02 PM	5	2	7
7:40:41 PM	5	3	8
7:41:36 PM	5	4	9
7:41:49 PM	5	4	9
7:42:06 PM	4	4	8
7:42:19 PM	4	4	8
7:42:41 PM	5	3	8
7:42:49 PM	4	3	7
7:43:01 PM	4	3	7
7:43:12 PM	4	4	8
7:43:30 PM	4	3	7
7:43:50 PM	4	4	8
7:44:09 PM	5	3	8
7:45:10 PM	5	4	9
7:45:39 PM	4	4	8
7:45:56 PM	5	3	8
7:46:04 PM	4	3	7
7:46:21 PM	4	4	8
7:46:30 PM	4	4	8
7:47:12 PM	3	4	7
7:47:46 PM	2	4	6
7:48:05 PM	3	4	7
7:48:10 PM	2	4	6
7:48:45 PM	2	4	6
7:49:02 PM	1	4	5
7:49:10 PM	2	5	7
7:49:37 PM	3	4	7
7:50:12 PM	4	3	7
7:50:21 PM	3	3	6
7:50:43 PM	4	3	7
7:51:02 PM	3	3	6
7:51:29 PM	3	3	6
7:51:42 PM	3	3	6
7:51:50 PM	3	4	7
7:52:00 PM	4	3	7
7:52:11 PM	4	4	8
7:53:04 PM	4	3	7
7:53:36 PM	5	6	11
7:54:08 PM	4	6	10
7:54:28 PM	5	7	12
7:54:42 PM	4	6	10
7:55:12 PM	3	6	9
7:55:33 PM	3	6	9
7:55:40 PM	2	6	8
7:55:49 PM	3	6	9
7:56:12 PM	3	6	9

Wednesday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/22/2018
Day: Wednesday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:51:59 PM	3	5	8
12:52:39 PM	3	5	8
12:52:58 PM	4	4	8
12:53:21 PM	4	6	10
12:53:30 PM	4	8	12
12:53:49 PM	5	11	16
12:54:21 PM	3	11	14
12:55:06 PM	4	10	14
12:55:36 PM	4	9	13
12:56:19 PM	3	9	12
12:56:35 PM	4	8	12
12:56:54 PM	4	8	12
12:57:25 PM	4	10	14
12:58:02 PM	5	8	13
12:59:14 PM	4	9	13
12:59:24 PM	4	9	13
12:59:57 PM	5	8	13
1:00:12 PM	4	9	13
1:00:32 PM	4	9	13
1:00:46 PM	4	7	11
1:00:59 PM	3	7	10
1:01:36 PM	4	6	10
1:01:49 PM	3	7	10
1:02:05 PM	4	6	10
1:02:26 PM	3	6	9
1:02:48 PM	2	8	10
1:03:01 PM	3	9	12
1:03:24 PM	2	9	11
1:03:40 PM	3	8	11
1:03:48 PM	3	8	11
1:04:13 PM	1	7	8
1:04:29 PM	2	8	10
1:05:06 PM	4	8	12
1:05:22 PM	3	7	10
1:05:45 PM	4	7	11
1:06:01 PM	2	7	9
1:06:39 PM	4	6	10
1:07:19 PM	2	6	8
1:07:34 PM	4	5	9
1:07:48 PM	4	5	9
1:07:58 PM	2	5	7
1:08:06 PM	4	7	11
1:08:34 PM	4	5	9
1:09:03 PM	5	4	9
1:09:36 PM	4	6	10
1:09:59 PM	5	6	11
1:10:09 PM	4	4	8
1:10:36 PM	3	4	7
1:10:53 PM	3	3	6
1:11:26 PM	3	2	5
1:12:01 PM	4	2	6

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
7:56:24 PM	4	6	10
7:57:00 PM	5	6	11
7:57:11 PM	4	6	10
7:57:34 PM	5	7	12
7:57:59 PM	4	8	12
7:58:30 PM	3	7	10
7:58:48 PM	4	6	10
7:59:11 PM	5	6	11
8:00:34 PM	5	7	12
8:01:21 PM	5	6	11
8:01:53 PM	4	6	10
8:02:21 PM	4	5	9
8:02:31 PM	4	6	10
8:02:50 PM	3	6	9
8:02:59 PM	2	6	8
8:03:22 PM	3	5	8
8:03:34 PM	2	6	8
8:03:46 PM	3	6	9
8:04:04 PM	2	7	9
8:04:30 PM	2	7	9
8:04:45 PM	2	7	9
8:05:17 PM	3	6	9
8:05:39 PM	2	9	11
8:05:51 PM	3	6	9
8:06:10 PM	2	6	8
8:06:37 PM	2	7	9
8:06:49 PM	3	7	10
8:07:03 PM	2	8	10
8:07:14 PM	1	8	9
8:07:41 PM	1	7	8
8:07:56 PM	2	6	8
8:08:30 PM	3	6	9
8:08:52 PM	3	5	8
8:09:11 PM	3	6	9
8:09:25 PM	2	6	8
8:09:41 PM	2	6	8
8:09:52 PM	3	6	9
8:10:41 PM	3	7	10
8:11:18 PM	3	7	10
8:11:41 PM	2	6	8
8:11:52 PM	3	7	10
8:12:16 PM	3	6	9
8:12:48 PM	3	7	10
8:12:59 PM	4	7	11
8:13:39 PM	4	8	12
8:14:19 PM	5	8	13
8:14:41 PM	4	8	12
8:15:02 PM	3	8	11
8:15:21 PM	4	8	12
8:15:59 PM	4	7	11
8:16:12 PM	4	7	11

Wednesday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/22/2018
Day: Wednesday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:12:30 PM	3	3	6
1:12:57 PM	3	3	6
1:13:05 PM	4	2	6
1:13:17 PM	3	2	5
1:13:28 PM	3	2	5
1:13:45 PM	3	3	6
1:13:58 PM	3	5	8
1:14:19 PM	3	6	9
1:14:52 PM	4	6	10
1:15:11 PM	4	5	9
1:15:26 PM	5	5	10
1:16:09 PM	5	5	10
1:16:37 PM	3	5	8
1:17:15 PM	3	6	9
1:17:38 PM	4	5	9
1:18:46 PM	4	4	8
1:18:58 PM	5	6	11
1:19:42 PM	4	6	10
1:20:30 PM	3	7	10
1:21:01 PM	2	7	9
1:21:09 PM	2	7	9
1:21:20 PM	2	6	8
1:21:42 PM	1	6	7
1:22:12 PM	0	6	6
1:22:34 PM	1	6	7
1:22:55 PM	2	5	7
1:23:33 PM	3	4	7
1:23:41 PM	2	4	6
1:23:49 PM	3	3	6
1:24:10 PM	2	3	5
1:24:12 PM	3	2	5
1:24:45 PM	3	3	6
1:24:57 PM	3	3	6
1:25:14 PM	3	4	7
1:25:42 PM	3	3	6
1:25:51 PM	2	3	5
1:26:03 PM	3	3	6
1:26:14 PM	2	3	5
1:26:20 PM	2	3	5
1:26:28 PM	3	2	5
1:26:47 PM	2	2	4
1:27:07 PM	3	1	4
1:27:25 PM	2	2	4
1:27:42 PM	2	3	5
1:27:53 PM	3	2	5
1:28:07 PM	2	2	4
1:28:23 PM	3	2	5
1:28:43 PM	3	3	6
1:28:42 PM	2	3	5
1:29:09 PM	1	3	4
1:29:42 PM	2	2	4

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
8:16:31 PM	3	7	10
8:16:54 PM	4	7	11
8:17:32 PM	5	7	12
8:17:53 PM	4	6	10
8:18:34 PM	4	6	10
8:18:47 PM	5	6	11
8:19:07 PM	3	7	10
8:19:34 PM	3	8	11
8:19:57 PM	3	7	10
8:20:23 PM	2	7	9
8:20:51 PM	3	7	10
8:21:08 PM	2	6	8
8:21:47 PM	2	6	8
8:21:55 PM	3	5	8
8:22:12 PM	2	5	7
8:22:34 PM	3	6	9
8:23:02 PM	3	6	9
8:23:09 PM	2	6	8
8:23:33 PM	2	6	8
8:23:54 PM	1	6	7
8:24:21 PM	1	5	6
8:24:56 PM	2	4	6
8:25:19 PM	2	4	6
8:25:28 PM	3	5	8
8:25:53 PM	3	5	8
8:26:06 PM	4	6	10
8:26:48 PM	5	6	11
8:27:02 PM	4	6	10
8:27:11 PM	5	5	10
8:27:40 PM	4	5	9
8:27:53 PM	4	4	8
8:28:14 PM	5	4	9
8:28:30 PM	3	2	5
8:28:46 PM	2	3	5
8:28:59 PM	2	4	6
8:29:00 PM	1	4	5
8:29:13 PM	2	3	5
8:29:39 PM	1	3	4
8:29:55 PM	2	2	4
8:30:01 PM	2	2	4
8:30:38 PM	3	1	4
8:30:43 PM	3	2	5
8:30:50 PM	2	2	4
8:30:59 PM	2	3	5
8:31:11 PM	2	3	5
8:31:48 PM	1	4	5
8:32:23 PM	2	4	6
8:32:31 PM	1	4	5
8:32:49 PM	2	4	6
8:32:59 PM	2	4	6
8:33:10 PM	2	5	7

Wednesday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/22/2018
Day: Wednesday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:29:54 PM	3	2	5
1:30:06 PM	2	2	4
1:30:30 PM	1	2	3
1:30:30 PM	1	2	3
1:30:57 PM	1	1	2
1:31:27 PM	2	0	2
1:31:33 PM	2	0	2
1:32:29 PM	2	0	2
1:33:28 PM	2	1	3
1:33:40 PM	2	2	4
1:33:42 PM	2	3	5
1:33:51 PM	1	3	4
1:34:06 PM	0	3	3
1:34:19 PM	1	2	3
1:34:39 PM	2	1	3
1:35:10 PM	3	0	3
1:35:28 PM	3	1	4
1:35:56 PM	4	1	5
1:36:08 PM	5	2	7
1:36:56 PM	3	2	5
1:37:09 PM	3	1	4
1:37:22 PM	3	2	5
1:37:39 PM	3	2	5
1:38:04 PM	2	2	4
1:38:34 PM	2	1	3
1:39:13 PM	3	0	3
1:39:19 PM	3	1	4
1:39:25 PM	3	1	4
1:39:40 PM	2	1	3
1:40:01 PM	2	1	3
1:40:24 PM	2	1	3
1:40:45 PM	1	2	3
1:41:11 PM	2	2	4
1:41:32 PM	2	1	3
1:41:45 PM	2	2	4
1:41:53 PM	3	2	5
1:42:21 PM	3	3	6
1:43:17 PM	4	2	6
1:43:29 PM	3	3	6
1:43:42 PM	3	2	5
1:44:18 PM	3	1	4
1:44:59 PM	4	0	4
1:45:10 PM	3	0	3
1:45:27 PM	2	0	2
1:45:36 PM	2	0	2
1:46:06 PM	2	0	2
1:46:53 PM	1	0	1
1:48:15 PM	0	1	1
1:49:02 PM	0	2	2
1:49:40 PM	1	2	3
1:50:28 PM	2	3	5

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
8:33:26 PM	2	5	7
8:33:48 PM	2	6	8
8:33:58 PM	1	6	7
8:34:13 PM	2	5	7
8:34:20 PM	1	5	6
8:35:02 PM	2	5	7
8:35:21 PM	2	6	8
8:35:48 PM	3	5	8
8:36:07 PM	4	5	9
8:36:40 PM	5	4	9
8:36:54 PM	5	4	9
8:37:06 PM	5	5	10
8:37:20 PM	5	5	10
8:37:41 PM	4	5	9
8:38:13 PM	3	5	8
8:38:34 PM	4	5	9
8:39:00 PM	5	5	10
8:39:23 PM	4	5	9
8:39:51 PM	3	5	8
8:40:19 PM	3	3	6
8:40:43 PM	2	4	6
8:41:05 PM	3	3	6
8:41:18 PM	2	3	5
8:41:26 PM	3	2	5
8:41:55 PM	2	2	4
8:42:09 PM	3	1	4
8:42:19 PM	2	1	3
8:42:25 PM	2	2	4
8:42:37 PM	1	3	4
8:42:49 PM	2	3	5
8:43:17 PM	2	3	5
8:43:32 PM	3	2	5
8:43:42 PM	3	3	6
8:43:56 PM	4	2	6
8:44:09 PM	4	3	7
8:44:17 PM	3	3	6
8:44:29 PM	4	3	7
8:44:46 PM	4	3	7
8:45:24 PM	5	2	7
8:45:32 PM	4	3	7
8:45:50 PM	3	3	6
8:46:04 PM	3	4	7
8:46:22 PM	3	3	6
8:46:47 PM	3	3	6
8:46:58 PM	4	2	6
8:47:07 PM	3	2	5
8:47:37 PM	4	1	5
8:48:04 PM	3	1	4
8:48:30 PM	3	0	3
8:49:06 PM	2	0	2
8:49:17 PM	2	0	2

Wednesday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/22/2018
Day: Wednesday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:50:57 PM	3	3	6
1:51:12 PM	3	2	5
1:51:33 PM	3	2	5
1:51:44 PM	4	1	5
1:51:50 PM	4	2	6
1:52:02 PM	4	2	6
1:52:07 PM	3	2	5
1:52:23 PM	2	2	4
1:52:32 PM	2	2	4
1:52:41 PM	3	1	4
1:52:44 PM	3	2	5
1:52:54 PM	3	2	5
1:53:10 PM	2	2	4
1:53:31 PM	2	3	5
1:53:51 PM	3	2	5
1:54:03 PM	2	3	5
1:54:21 PM	2	2	4
1:54:30 PM	2	2	4
1:54:36 PM	3	1	4
1:54:57 PM	2	1	3
1:55:10 PM	3	0	3
1:55:14 PM	2	2	4
1:55:25 PM	2	2	4
1:55:43 PM	1	2	3
1:55:50 PM	2	1	3
1:55:57 PM	2	1	3
1:56:23 PM	3	0	3
1:56:31 PM	3	0	3
1:56:44 PM	2	0	2
1:56:55 PM	2	1	3
1:57:07 PM	1	1	2
1:57:54 PM	1	2	3
1:57:59 PM	0	2	2
1:58:18 PM	1	2	3
1:58:35 PM	1	3	4
1:58:49 PM	2	2	4
1:58:57 PM	2	2	4
1:59:21 PM	1	2	3
1:59:32 PM	1	2	3
1:59:41 PM	2	1	3
1:59:49 PM	2	2	4
1:59:55 PM	2	3	5
2:00:03 PM	1	3	4
2:00:14 PM	2	2	4
2:00:21 PM	2	3	5
2:00:38 PM	3	2	5
2:00:47 PM	2	2	4
2:01:05 PM	2	3	5
2:01:22 PM	2	3	5
2:01:32 PM	2	2	4
2:01:49 PM	1	3	4

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
8:49:28 PM	2	1	3
8:49:45 PM	1	1	2
8:50:12 PM	2	0	2
8:50:24 PM	2	1	3
8:50:28 PM	2	2	4
8:50:59 PM	2	2	4
8:51:09 PM	1	2	3
8:51:44 PM	0	2	2
8:51:55 PM	0	3	3
8:52:29 PM	1	2	3
8:52:44 PM	1	3	4
8:52:52 PM	1	4	5
8:53:34 PM	1	5	6
8:53:42 PM	1	5	6
8:53:56 PM	2	5	7
8:54:19 PM	2	4	6
8:54:58 PM	3	3	6
8:55:21 PM	3	3	6
8:55:32 PM	3	4	7
8:55:51 PM	3	4	7
8:56:05 PM	2	4	6
8:56:15 PM	2	5	7
8:56:29 PM	3	4	7
8:56:53 PM	3	5	8
8:57:04 PM	2	5	7
8:57:29 PM	2	4	6
8:57:49 PM	2	4	6
8:58:10 PM	3	3	6
8:58:39 PM	3	4	7
8:59:01 PM	2	4	6
8:59:19 PM	3	4	7
9:00:11 PM	4	4	8
9:00:22 PM	4	5	9
9:00:31 PM	5	4	9
9:00:48 PM	5	5	10
9:01:12 PM	4	5	9
9:01:46 PM	5	5	10
9:02:37 PM	4	5	9
9:02:48 PM	5	4	9
9:03:45 PM	4	4	8
9:04:01 PM	3	4	7
9:04:15 PM	4	3	7
9:04:20 PM	4	4	8
9:04:25 PM	3	4	7
9:04:34 PM	4	4	8
9:04:45 PM	3	3	6
9:05:12 PM	4	2	6
9:05:18 PM	3	2	5
9:05:34 PM	3	3	6
9:05:46 PM	4	2	6
9:05:57 PM	3	3	6

Wednesday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/22/2018
Day: Wednesday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
2:02:12 PM	1	3	4
2:02:22 PM	2	2	4
2:02:56 PM	3	1	4
2:03:05 PM	3	1	4
2:03:10 PM	4	0	4
2:03:23 PM	3	1	4
2:03:39 PM	2	1	3
2:04:05 PM	2	2	4
2:04:10 PM	1	2	3
2:04:17 PM	2	1	3
2:04:39 PM	2	1	3
2:04:52 PM	3	2	5
2:05:01 PM	2	2	4
2:05:30 PM	2	2	4
2:05:42 PM	2	1	3
2:06:02 PM	1	2	3
2:06:22 PM	2	1	3
2:06:27 PM	2	2	4
2:00:35 PM	2	3	5
2:06:43 PM	3	2	5
2:07:27 PM	2	2	4
2:07:35 PM	3	2	5
2:07:55 PM	2	2	4
2:08:09 PM	3	1	4
2:08:24 PM	3	2	5
2:08:34 PM	2	2	4
2:08:54 PM	3	2	5
2:09:03 PM	3	2	5
2:09:10 PM	2	2	4
2:09:17 PM	3	1	4
2:09:46 PM	4	0	4
2:09:51 PM	3	0	3
2:10:37 PM	2	1	3
2:10:59 PM	2	1	3
2:11:17 PM	3	0	3
2:11:26 PM	2	0	2
2:11:46 PM	1	0	1
2:11:52 PM	1	0	1
2:11:56 PM	1	1	2
2:12:22 PM	2	1	3
2:12:46 PM	2	2	4
2:13:01 PM	3	1	4
2:13:11 PM	2	1	3
2:13:22 PM	3	0	3
2:13:49 PM	2	0	2
2:14:15 PM	1	1	2
2:14:36 PM	2	0	2
2:14:54 PM	2	1	3
2:15:08 PM	1	1	2
2:15:17 PM	2	0	2
2:15:36 PM	1	0	1

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
9:06:26 PM	3	2	5
9:06:39 PM	3	2	5
9:06:52 PM	2	3	5
9:07:19 PM	3	2	5
9:07:50 PM	3	2	5
9:08:15 PM	3	2	5
9:08:23 PM	3	3	6
9:08:28 PM	2	3	5
9:08:45 PM	3	2	5
9:08:51 PM	2	2	4
9:09:00 PM	2	3	5
9:09:19 PM	2	2	4
9:09:51 PM	1	2	3
9:09:57 PM	1	2	3
9:10:35 PM	2	3	5
9:10:55 PM	1	3	4
9:11:24 PM	2	3	5
9:11:41 PM	2	5	7
9:11:50 PM	2	6	8
9:12:14 PM	2	6	8
9:12:34 PM	2	6	8
9:13:02 PM	2	5	7
9:13:44 PM	2	4	6
9:13:51 PM	2	5	7
9:14:11 PM	1	5	6
9:14:39 PM	1	5	6
9:14:52 PM	2	5	7
9:15:24 PM	2	6	8
9:15:45 PM	3	5	8
9:16:20 PM	4	5	9
9:17:06 PM	4	6	10
9:17:52 PM	3	6	9
9:18:01 PM	2	6	8
9:18:11 PM	3	5	8
9:18:22 PM	2	5	7
9:18:50 PM	3	4	7
9:19:13 PM	4	4	8
9:19:37 PM	3	5	8
9:19:54 PM	4	4	8
9:20:21 PM	4	4	8
9:20:41 PM	5	4	9
9:21:35 PM	4	6	10
9:22:31 PM	5	5	10
9:22:50 PM	5	6	11
9:23:46 PM	4	6	10
9:23:55 PM	5	7	12
9:24:21 PM	3	6	9
9:24:51 PM	3	6	9
9:25:21 PM	3	4	7
9:25:36 PM	3	5	8
9:26:14 PM	3	4	7

Wednesday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/22/2018
Day: Wednesday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
2:15:54 PM	1	0	1
2:16:32 PM	1	1	2
2:17:21 PM	1	2	3
2:17:31 PM	2	1	3
2:17:50 PM	3	0	3
2:18:04 PM	3	0	3
2:18:27 PM	2	0	2
2:19:06 PM	1	0	1
2:19:34 PM	0	1	1
2:19:55 PM	1	1	2
2:20:05 PM	1	3	4
2:20:37 PM	1	4	5
2:20:45 PM	1	4	5
2:21:28 PM	2	3	5
2:21:52 PM	3	2	5
2:22:05 PM	3	3	6
2:22:27 PM	4	2	6
2:22:47 PM	4	2	6
2:22:56 PM	3	2	5
2:23:21 PM	3	2	5
2:23:33 PM	4	1	5
2:23:42 PM	3	1	4
2:23:51 PM	4	0	4
2:23:53 PM	3	0	3
2:24:25 PM	2	0	2
2:24:50 PM	2	1	3
2:25:31 PM	1	1	2
2:25:52 PM	0	1	1
2:26:02 PM	1	0	1
2:26:13 PM	1	1	2
2:26:49 PM	2	1	3
2:27:04 PM	2	1	3
2:27:20 PM	1	1	2
2:27:27 PM	1	1	2
2:27:50 PM	0	1	1
2:27:57 PM	1	0	1
2:28:36 PM	1	0	1
2:28:42 PM	1	1	2
2:29:31 PM	1	1	2
2:29:37 PM	1	2	3
2:29:53 PM	2	1	3

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
9:26:42 PM	4	3	7
9:27:03 PM	4	3	7
9:27:27 PM	3	2	5
9:27:43 PM	3	3	6
9:27:57 PM	2	3	5
9:28:21 PM	3	3	6
9:28:32 PM	3	4	7
9:28:41 PM	2	4	6
9:28:49 PM	2	4	6
9:29:09 PM	2	4	6
9:29:09 PM	2	3	5
9:29:32 PM	2	3	5
9:29:41 PM	3	2	5
9:29:59 PM	2	3	5
9:30:05 PM	2	3	5

Prepared by National Data & Surveying Services

Queue Study

Project: 18-1161
City: Orange

Date: 8/18/2018
Day: Saturday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:02:39 PM	0	1	1
12:03:46 PM	2	1	3
12:04:53 PM	1	1	2
12:05:49 PM	2	1	3
12:06:12 PM	2	2	4
12:06:34 PM	1	2	3
12:06:44 PM	2	1	3
12:06:53 PM	2	2	4
12:07:00 PM	2	3	5
12:07:15 PM	2	2	4
12:07:37 PM	2	2	4
12:08:04 PM	3	2	5
12:08:23 PM	2	2	4
12:08:38 PM	2	2	4
12:08:57 PM	1	2	3
12:09:05 PM	2	3	5
12:09:22 PM	2	4	6
12:09:43 PM	3	3	6
12:09:17 PM	2	4	6
12:10:02 PM	2	4	6
12:10:18 PM	3	4	7
12:10:32 PM	3	4	7
12:10:53 PM	4	4	8
12:11:26 PM	5	3	8
12:11:38 PM	5	4	9
12:12:03 PM	4	5	9
12:12:19 PM	3	5	8
12:12:36 PM	4	4	8
12:13:04 PM	3	5	8
12:13:14 PM	3	4	7
12:13:38 PM	4	4	8
12:13:56 PM	3	4	7
12:14:12 PM	2	4	6
12:14:47 PM	2	4	6
12:14:58 PM	1	4	5
12:15:05 PM	1	4	5
12:16:10 PM	2	3	5
12:16:28 PM	2	4	6
12:16:43 PM	1	4	5
12:16:50 PM	1	4	5
12:17:05 PM	2	3	5
12:17:22 PM	1	4	5
12:17:41 PM	2	3	5
12:17:53 PM	2	3	5
12:18:16 PM	3	3	6
12:18:29 PM	3	4	7
12:18:57 PM	3	4	7

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
7:01:58 PM	1	8	9
7:03:12 PM	0	8	8
7:03:33 PM	1	7	8
7:04:10 PM	2	7	9
7:04:21 PM	2	7	9
7:04:40 PM	3	7	10
7:04:53 PM	4	6	10
7:05:10 PM	3	6	9
7:05:17 PM	2	5	7
7:05:29 PM	2	7	9
7:06:15 PM	0	7	7
7:06:57 PM	2	6	8
7:07:21 PM	2	8	10
7:07:46 PM	3	10	13
7:08:36 PM	3	9	12
7:08:56 PM	2	9	11
7:09:28 PM	4	8	12
7:09:52 PM	3	7	10
7:10:11 PM	2	8	10
7:10:42 PM	3	8	11
7:11:01 PM	1	8	9
7:11:20 PM	3	7	10
7:11:31 PM	2	7	9
7:11:51 PM	2	7	9
7:12:07 PM	1	7	8
7:12:38 PM	0	7	7
7:12:46 PM	1	6	7
7:13:28 PM	2	7	9
7:13:50 PM	3	6	9
7:14:19 PM	4	5	9
7:14:43 PM	3	5	8
7:15:49 PM	3	6	9
7:16:08 PM	2	6	8
7:16:29 PM	1	6	7
7:16:50 PM	0	8	8
7:17:03 PM	1	9	10
7:17:38 PM	2	9	11
7:18:06 PM	2	10	12
7:18:13 PM	3	10	13
7:18:40 PM	4	9	13
7:19:36 PM	5	8	13
7:20:07 PM	5	7	12
7:20:27 PM	4	7	11
7:20:48 PM	3	9	12
7:21:28 PM	2	10	12
7:21:41 PM	2	11	13
7:22:00 PM	1	11	12

Saturday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/18/2018
Day: Saturday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:19:20 PM	2	4	6
12:19:35 PM	3	4	7
12:19:58 PM	4	4	8
12:20:10 PM	3	4	7
12:20:46 PM	3	4	7
12:21:05 PM	2	4	6
12:21:15 PM	2	3	5
12:21:31 PM	1	3	4
12:21:38 PM	2	3	5
12:21:49 PM	2	4	6
12:22:21 PM	2	4	6
12:22:48 PM	1	4	5
12:22:59 PM	2	5	7
12:23:01 PM	2	5	7
12:23:32 PM	1	6	7
12:23:53 PM	1	6	7
12:24:24 PM	0	6	6
12:24:32 PM	1	5	6
12:25:00 PM	2	6	8
12:25:46 PM	3	5	8
12:26:27 PM	4	5	9
12:26:42 PM	3	5	8
12:27:06 PM	3	6	9
12:27:37 PM	3	5	8
12:27:52 PM	3	6	9
12:28:06 PM	3	7	10
12:28:31 PM	2	8	10
12:28:52 PM	2	8	10
12:29:03 PM	3	7	10
12:29:29 PM	2	6	8
12:29:57 PM	3	5	8
12:30:20 PM	2	5	7
12:30:32 PM	2	5	7
12:30:47 PM	2	6	8
12:31:11 PM	2	6	8
12:31:24 PM	2	6	8
12:31:57 PM	3	5	8
12:32:07 PM	2	5	7
12:32:21 PM	2	5	7
12:32:40 PM	3	4	7
12:32:58 PM	2	4	6
12:33:08 PM	3	3	6
12:33:19 PM	2	3	5
12:33:36 PM	3	2	5
12:33:56 PM	3	2	5
12:34:06 PM	4	1	5
12:34:16 PM	4	2	6
12:34:25 PM	3	3	6
12:34:39 PM	2	3	5
12:34:53 PM	2	3	5
12:35:03 PM	3	3	6

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
7:22:27 PM	0	11	11
7:22:55 PM	1	11	12
7:23:30 PM	2	10	12
7:23:58 PM	2	10	12
7:24:24 PM	3	9	12
7:24:40 PM	3	9	12
7:24:52 PM	2	9	11
7:25:03 PM	3	9	12
7:25:21 PM	3	9	12
7:25:59 PM	4	9	13
7:26:19 PM	4	9	13
7:26:48 PM	3	9	12
7:27:01 PM	2	10	12
7:27:33 PM	3	10	13
7:27:57 PM	4	9	13
7:29:43 PM	4	9	13
7:30:04 PM	3	9	12
7:30:17 PM	4	11	15
7:31:07 PM	4	10	14
7:31:17 PM	3	10	13
7:31:44 PM	3	10	13
7:31:59 PM	4	9	13
7:32:06 PM	3	9	12
7:32:16 PM	4	12	16
7:32:37 PM	2	11	13
7:32:57 PM	3	11	14
7:33:12 PM	3	10	13
7:33:57 PM	4	9	13
7:34:09 PM	3	9	12
7:34:41 PM	3	10	13
7:35:11 PM	4	10	14
7:35:21 PM	3	10	13
7:35:31 PM	2	10	12
7:35:50 PM	1	9	10
7:37:00 PM	2	10	12
7:37:15 PM	1	10	11
7:37:47 PM	2	9	11
7:38:05 PM	3	8	11
7:38:55 PM	3	8	11
7:39:16 PM	4	7	11
7:39:35 PM	3	7	10
7:39:57 PM	3	6	9
7:40:10 PM	2	6	8
7:40:49 PM	3	5	8
7:41:19 PM	2	5	7
7:41:41 PM	3	4	7
7:41:52 PM	2	6	8
7:42:14 PM	1	6	7
7:42:22 PM	2	5	7
7:42:31 PM	2	6	8
7:42:56 PM	4	5	9

Saturday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/18/2018
Day: Saturday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:35:19 PM	3	3	6
12:35:25 PM	2	3	5
12:35:45 PM	1	3	4
12:35:52 PM	1	3	4
12:36:11 PM	2	2	4
12:36:19 PM	2	3	5
12:36:27 PM	2	4	6
12:36:44 PM	1	4	5
12:36:55 PM	2	3	5
12:37:04 PM	2	3	5
12:37:39 PM	2	3	5
12:38:05 PM	1	4	5
12:38:28 PM	0	4	4
12:39:12 PM	0	5	5
12:39:29 PM	1	4	5
12:39:59 PM	2	3	5
12:40:29 PM	3	3	6
12:40:50 PM	2	2	4
12:41:09 PM	3	2	5
12:41:21 PM	2	2	4
12:41:35 PM	2	3	5
12:42:15 PM	2	4	6
12:43:01 PM	3	4	7
12:43:40 PM	3	3	6
12:44:07 PM	3	5	8
12:44:24 PM	3	6	9
12:44:42 PM	2	6	8
12:45:20 PM	3	6	9
12:45:39 PM	2	6	8
12:45:56 PM	3	5	8
12:46:37 PM	2	6	8
12:47:00 PM	2	5	7
12:47:30 PM	3	5	8
12:47:52 PM	2	6	8
12:48:30 PM	2	6	8
12:49:23 PM	1	8	9
12:49:35 PM	2	6	8
12:49:51 PM	2	4	6
12:50:50 PM	2	5	7
12:51:10 PM	1	5	6
12:51:26 PM	2	6	8
12:51:44 PM	3	6	9
12:52:00 PM	2	6	8
12:52:19 PM	2	5	7
12:52:37 PM	2	5	7
12:52:53 PM	2	5	7
12:53:24 PM	3	5	8
12:53:37 PM	3	3	6
12:53:59 PM	3	4	7
12:54:30 PM	3	4	7
12:54:44 PM	3	4	7

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
7:43:07 PM	3	5	8
7:43:16 PM	3	6	9
7:43:33 PM	4	5	9
7:43:49 PM	3	5	8
7:43:55 PM	3	6	9
7:44:54 PM	4	5	9
7:45:14 PM	3	4	7
7:45:25 PM	4	3	7
7:45:40 PM	3	3	6
7:45:57 PM	3	2	5
7:46:16 PM	2	2	4
7:46:32 PM	2	3	5
7:46:42 PM	2	3	5
7:47:06 PM	3	2	5
7:47:40 PM	3	3	6
7:48:00 PM	3	2	5
7:48:24 PM	4	7	11
7:49:03 PM	4	2	6
7:49:09 PM	5	1	6
7:50:23 PM	5	2	7
7:51:21 PM	5	2	7
7:51:49 PM	4	2	6
7:52:07 PM	5	1	6
7:52:34 PM	4	1	5
7:52:47 PM	3	1	4
7:53:12 PM	3	1	4
7:53:40 PM	4	0	4
7:54:20 PM	3	0	3
7:54:18 PM	2	0	2
7:54:26 PM	1	0	1
7:55:35 PM	1	1	2
7:55:47 PM	1	2	3
7:56:08 PM	0	2	2
7:56:35 PM	1	1	2
7:57:02 PM	2	0	2
7:57:11 PM	2	0	2
7:57:38 PM	1	0	1
7:57:52 PM	1	1	2
7:58:14 PM	0	1	1
7:58:33 PM	0	2	2
7:58:45 PM	0	3	3
7:58:51 PM	1	2	3
7:59:00 PM	1	3	4
7:59:12 PM	2	2	4
7:59:38 PM	2	3	5
8:00:21 PM	2	3	5
8:00:30 PM	1	3	4
8:00:58 PM	1	2	3
8:01:28 PM	1	3	4
8:02:33 PM	1	2	3
8:02:49 PM	1	3	4

Saturday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/18/2018
Day: Saturday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:54:58 PM	2	4	6
12:55:14 PM	3	3	6
12:55:40 PM	1	4	5
12:56:06 PM	0	4	4
12:56:27 PM	0	5	5
12:56:55 PM	1	6	7
12:57:18 PM	2	5	7
12:57:41 PM	1	5	6
12:58:10 PM	2	4	6
12:58:38 PM	3	3	6
12:58:50 PM	4	2	6
12:58:59 PM	3	1	4
12:59:10 PM	2	2	4
12:59:30 PM	3	3	6
12:59:45 PM	3	5	8
1:01:00 PM	2	5	7
1:01:38 PM	3	8	11
1:02:04 PM	4	7	11
1:02:20 PM	4	4	8
1:03:06 PM	3	8	11
1:04:10 PM	3	9	12
1:04:27 PM	3	5	8
1:04:56 PM	3	6	9
1:05:20 PM	4	6	10
1:05:53 PM	4	6	10
1:06:45 PM	4	6	10
1:07:27 PM	4	8	12
1:08:30 PM	3	9	12
1:09:18 PM	4	9	13
1:09:36 PM	4	9	13
1:09:54 PM	3	5	8
1:10:09 PM	3	9	12
1:10:25 PM	2	10	12
1:10:39 PM	3	10	13
1:11:04 PM	3	8	11
1:11:25 PM	3	9	12
1:11:32 PM	4	8	12
1:11:49 PM	3	9	12
1:12:05 PM	2	9	11
1:12:35 PM	2	7	9
1:13:13 PM	1	5	6
1:13:24 PM	1	5	6
1:13:34 PM	2	6	8
1:14:16 PM	2	9	11
1:14:24 PM	1	9	10
1:14:41 PM	1	11	12
1:14:42 PM	2	9	11
1:15:06 PM	1	9	10
1:15:25 PM	2	10	12
1:15:51 PM	3	9	12
1:16:25 PM	2	9	11

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
8:03:07 PM	2	2	4
8:03:22 PM	2	3	5
8:03:35 PM	3	2	5
8:03:45 PM	2	3	5
8:04:03 PM	3	2	5
8:04:28 PM	2	2	4
8:04:42 PM	2	2	4
8:05:06 PM	3	1	4
8:05:23 PM	3	2	5
8:05:41 PM	3	1	4
8:06:00 PM	3	2	5
8:06:10 PM	2	2	4
8:06:19 PM	2	3	5
8:06:32 PM	1	4	5
8:06:49 PM	2	3	5
8:07:08 PM	2	4	6
8:07:17 PM	2	4	6
8:07:38 PM	2	3	5
8:08:05 PM	2	3	5
8:08:45 PM	1	3	4
8:08:55 PM	1	4	5
8:09:07 PM	0	4	4
8:09:41 PM	1	3	4
8:10:40 PM	1	3	4
8:11:09 PM	2	2	4
8:11:17 PM	2	3	5
8:11:36 PM	2	4	6
8:11:45 PM	2	4	6
8:11:58 PM	2	5	7
8:12:09 PM	2	4	6
8:12:23 PM	3	5	8
8:12:39 PM	3	6	9
8:13:11 PM	3	6	9
8:13:19 PM	4	6	10
8:13:34 PM	3	6	9
8:13:53 PM	4	5	9
8:14:11 PM	3	5	8
8:14:36 PM	4	4	8
8:15:13 PM	4	4	8
8:15:24 PM	4	5	9
8:15:42 PM	3	6	9
8:16:09 PM	4	6	10
8:16:34 PM	4	5	9
8:16:51 PM	4	6	10
8:16:59 PM	3	6	9
8:17:14 PM	4	7	11
8:17:52 PM	5	6	11
8:18:29 PM	5	6	11
8:18:53 PM	4	8	12
8:19:10 PM	5	7	12
8:19:22 PM	4	6	10

Saturday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/18/2018
Day: Saturday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:16:40 PM	3	9	12
1:17:07 PM	2	8	10
1:17:33 PM	2	8	10
1:17:56 PM	2	10	12
1:18:38 PM	2	11	13
1:18:53 PM	1	11	12
1:19:47 PM	0	11	11
1:19:54 PM	1	9	10
1:20:49 PM	2	9	11
1:21:18 PM	3	8	11
1:21:44 PM	3	8	11
1:22:15 PM	4	9	13
1:22:37 PM	5	8	13
1:23:05 PM	4	8	12
1:23:25 PM	4	7	11
1:23:49 PM	3	7	10
1:24:00 PM	2	7	9
1:24:20 PM	2	7	9
1:24:36 PM	2	7	9
1:24:55 PM	2	5	7
1:25:32 PM	3	4	7
1:26:01 PM	3	4	7
1:26:20 PM	3	5	8
1:26:39 PM	4	4	8
1:27:36 PM	2	4	6
1:27:45 PM	3	3	6
1:28:01 PM	2	4	6
1:28:13 PM	2	4	6
1:28:45 PM	2	4	6
1:28:54 PM	3	4	7
1:29:04 PM	3	4	7
1:29:08 PM	2	4	6
1:29:15 PM	3	4	7
1:29:17 PM	3	6	9
1:29:31 PM	2	6	8
1:29:55 PM	3	7	10
1:30:17 PM	2	7	9
1:30:30 PM	2	6	8
1:30:56 PM	3	5	8
1:31:42 PM	4	5	9
1:32:03 PM	3	6	9
1:32:30 PM	2	7	9
1:32:42 PM	2	8	10
1:32:50 PM	3	8	11
1:33:23 PM	4	8	12
1:33:55 PM	3	8	11
1:34:08 PM	4	9	13
1:34:30 PM	3	8	11
1:34:58 PM	3	7	10
1:35:13 PM	3	7	10
1:35:33 PM	2	8	10

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
8:19:49 PM	5	7	12
8:20:20 PM	3	7	10
8:21:21 PM	3	7	10
8:21:34 PM	3	8	11
8:21:48 PM	3	8	11
8:22:41 PM	3	8	11
8:23:52 PM	1	6	7
8:23:52 PM	2	7	9
8:24:25 PM	2	5	7
8:24:54 PM	2	5	7
8:25:20 PM	2	4	6
8:25:36 PM	3	3	6
8:16:04 PM	2	4	6
8:16:18 PM	2	5	7
8:16:52 PM	2	4	6
8:27:29 PM	1	6	7
8:28:13 PM	1	6	7
8:28:51 PM	2	6	8
8:29:07 PM	3	6	9
8:29:53 PM	3	4	7
8:30:19 PM	1	7	8
8:30:34 PM	3	6	9
8:31:10 PM	3	4	7
8:31:42 PM	2	4	6
8:32:18 PM	3	2	5
8:32:36 PM	4	1	5
8:33:10 PM	3	2	5
8:33:29 PM	2	3	5
8:34:03 PM	1	6	7
8:34:16 PM	0	6	6
8:34:37 PM	1	5	6
8:35:12 PM	1	6	7
8:35:21 PM	1	6	7
8:35:40 PM	2	7	9
8:35:57 PM	1	7	8
8:36:37 PM	2	6	8
8:37:00 PM	2	6	8
8:37:30 PM	3	6	9
8:37:50 PM	3	7	10
8:38:15 PM	3	6	9
8:38:33 PM	2	6	8
8:38:47 PM	2	6	8
8:39:17 PM	2	9	11
8:39:35 PM	1	9	10
8:40:25 PM	2	8	10
8:40:46 PM	3	7	10
8:41:08 PM	2	7	9
8:41:16 PM	3	9	12
8:41:30 PM	3	9	12
8:41:43 PM	4	6	10
8:42:27 PM	5	6	11

Saturday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/18/2018
Day: Saturday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:35:50 PM	3	9	12
1:36:08 PM	2	9	11
1:36:22 PM	3	7	10
1:37:02 PM	3	5	8
1:37:51 PM	2	5	7
1:38:05 PM	3	4	7
1:38:30 PM	2	4	6
1:39:01 PM	3	3	6
1:39:24 PM	3	2	5
1:39:43 PM	3	4	7
1:40:07 PM	3	6	9
1:40:20 PM	3	6	9
1:40:32 PM	4	5	9
1:41:19 PM	3	5	8
1:41:34 PM	4	5	9
1:42:04 PM	3	4	7
1:42:24 PM	4	4	8
1:42:38 PM	4	5	9
1:42:53 PM	3	5	8
1:43:16 PM	2	5	7
1:43:32 PM	2	5	7
1:43:45 PM	3	4	7
1:43:58 PM	2	4	6
1:44:21 PM	2	4	6
1:44:39 PM	3	3	6
1:44:59 PM	3	2	5
1:45:17 PM	3	3	6
1:45:31 PM	3	3	6
1:45:46 PM	3	3	6
1:46:11 PM	4	2	6
1:46:47 PM	4	2	6
1:47:00 PM	3	2	5
1:47:15 PM	3	2	5
1:47:26 PM	4	1	5
1:47:37 PM	4	2	6
1:47:54 PM	3	3	6
1:48:06 PM	4	2	6
1:48:29 PM	3	2	5
1:48:52 PM	2	2	4
1:49:10 PM	2	2	4
1:49:24 PM	3	1	4
1:49:39 PM	2	2	4
1:49:48 PM	3	1	4
1:50:18 PM	3	0	3
1:50:42 PM	2	0	2
1:50:51 PM	2	2	4
1:51:14 PM	1	2	3
1:51:31 PM	1	2	3
1:52:40 PM	2	1	3
1:51:54 PM	1	2	3
1:52:02 PM	3	0	3

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
8:42:37 PM	4	8	12
8:42:59 PM	3	8	11
8:43:27 PM	4	9	13
8:43:54 PM	2	9	11
8:44:28 PM	1	9	10
8:44:39 PM	2	9	11
8:44:53 PM	3	8	11
8:45:10 PM	2	10	12
8:45:20 PM	2	10	12
8:45:49 PM	3	12	15
8:46:10 PM	2	11	13
8:46:33 PM	2	12	14
8:47:09 PM	3	12	15
8:47:33 PM	3	13	16
8:47:45 PM	4	13	17
8:48:53 PM	5	12	17
8:49:03 PM	4	11	15
8:49:33 PM	3	12	15
8:49:49 PM	4	12	16
8:50:08 PM	3	11	14
8:50:44 PM	4	12	16
8:51:43 PM	4	10	14
8:51:55 PM	5	10	15
8:52:46 PM	5	11	16
8:53:47 PM	5	10	15
8:54:38 PM	5	12	17
8:55:06 PM	4	12	16
8:55:25 PM	4	9	13
8:55:41 PM	4	9	13
8:56:23 PM	4	9	13
8:57:59 PM	5	11	16
8:58:16 PM	5	12	17
8:58:46 PM	5	12	17
8:59:22 PM	5	11	16
8:59:48 PM	5	10	15
9:00:45 PM	4	12	16
9:01:28 PM	5	11	16
9:02:19 PM	5	12	17
9:02:49 PM	5	11	16
9:03:36 PM	5	11	16
9:04:05 PM	5	10	15
9:04:45 PM	4	11	15
9:05:02 PM	4	10	14
9:05:42 PM	3	10	13
9:05:53 PM	3	10	13
9:06:02 PM	4	10	14
9:06:13 PM	3	10	13
9:06:22 PM	3	13	16
9:06:38 PM	3	12	15
9:06:53 PM	3	12	15
9:07:20 PM	3	11	14

Saturday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/18/2018
Day: Saturday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:52:28 PM	1	0	1
1:52:38 PM	2	1	3
1:53:10 PM	3	2	5
1:53:23 PM	2	2	4
1:53:49 PM	2	2	4
1:53:58 PM	3	2	5
1:54:29 PM	3	1	4
1:54:42 PM	3	0	3
1:54:59 PM	3	2	5
1:55:22 PM	2	2	4
1:55:30 PM	1	2	3
1:55:43 PM	2	1	3
1:56:19 PM	3	0	3
1:56:27 PM	2	0	2
1:57:08 PM	2	0	2
1:57:26 PM	2	1	3
1:57:35 PM	1	1	2
1:57:41 PM	1	2	3
1:57:48 PM	1	3	4
1:57:53 PM	0	3	3
1:58:02 PM	1	2	3
1:58:11 PM	1	3	4
1:58:42 PM	2	2	4
1:59:00 PM	2	2	4
1:59:11 PM	3	1	4
1:59:42 PM	2	0	2
1:59:55 PM	2	2	4
2:00:00 PM	1	2	3
2:00:59 PM	1	2	3
2:01:27 PM	2	1	3
2:01:57 PM	3	2	5
2:02:06 PM	3	3	6
2:02:24 PM	4	2	6
2:02:51 PM	3	2	5
2:03:20 PM	3	2	5
2:03:41 PM	2	1	3
2:04:00 PM	3	0	3
2:04:25 PM	3	0	3
2:05:00 PM	3	2	5
2:06:05 PM	3	2	5
2:06:43 PM	2	2	4
2:07:16 PM	2	1	3
2:07:50 PM	2	0	2
2:08:25 PM	2	2	4
2:08:50 PM	3	2	5
2:09:46 PM	4	1	5
2:10:10 PM	4	3	7
2:10:36 PM	5	3	8
2:10:48 PM	4	3	7
2:11:05 PM	4	4	8
2:12:04 PM	3	4	7

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
9:07:49 PM	3	10	13
9:08:16 PM	2	9	11
9:08:49 PM	3	8	11
9:08:59 PM	2	7	9
9:09:20 PM	2	7	9
9:10:01 PM	3	8	11
9:10:18 PM	2	8	10
9:10:40 PM	2	7	9
9:11:12 PM	2	7	9
9:11:28 PM	3	7	10
9:12:47 PM	3	6	9
9:13:26 PM	2	6	8
9:13:51 PM	3	5	8
9:14:40 PM	3	4	7
9:15:01 PM	2	5	7
9:15:24 PM	3	6	9
9:16:04 PM	2	6	8
9:16:33 PM	1	8	9
9:17:09 PM	0	8	8
9:17:45 PM	1	7	8
9:18:33 PM	1	6	7
9:19:02 PM	2	5	7
9:19:20 PM	1	5	6
9:20:01 PM	2	5	7
9:20:29 PM	3	4	7
9:21:21 PM	3	5	8
9:21:29 PM	2	5	7
9:21:38 PM	2	6	8
9:21:48 PM	1	7	8
9:22:40 PM	2	8	10
9:23:36 PM	1	8	9
9:23:50 PM	2	7	9
9:24:04 PM	2	7	9
9:24:22 PM	2	8	10
9:24:41 PM	3	9	12
9:25:08 PM	3	11	14
9:25:17 PM	3	12	15
9:25:29 PM	2	11	13
9:25:47 PM	2	10	12
9:26:06 PM	1	9	10
9:26:44 PM	0	10	10
9:26:58 PM	2	9	11
9:27:43 PM	2	8	10
9:28:28 PM	2	7	9
9:29:10 PM	2	8	10
9:30:44 PM	2	8	10

Saturday Queue
Orange Raising Cane's

Project: 18-1161
City: Orange

Date: 8/18/2018
Day: Saturday

12:00 PM - 2:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
2:13:30 PM	4	4	8
2:13:55 PM	2	4	6
2:14:21 PM	2	4	6
2:14:51 PM	1	4	5
2:15:18 PM	2	4	6
2:15:50 PM	1	5	6
2:16:05 PM	2	4	6
2:16:19 PM	3	3	6
2:16:44 PM	2	3	5
2:16:56 PM	3	3	6
2:17:07 PM	2	4	6
2:17:16 PM	2	4	6
2:17:26 PM	1	4	5
2:17:37 PM	2	3	5
2:18:17 PM	3	2	5
2:18:42 PM	2	2	4
2:18:54 PM	2	3	5
2:19:04 PM	3	2	5
2:19:30 PM	4	2	6
2:19:56 PM	4	2	6
2:19:59 PM	4	3	7
2:20:50 PM	4	4	8
2:21:10 PM	3	2	5
2:21:26 PM	3	2	5
2:21:34 PM	3	1	4
2:21:41 PM	3	1	4
2:22:26 PM	4	0	4
2:22:44 PM	4	1	5
2:22:56 PM	4	2	6
2:23:43 PM	4	3	7
2:24:49 PM	5	3	8
2:25:11 PM	4	5	9
2:25:40 PM	4	4	8
2:26:03 PM	3	4	7
2:26:18 PM	3	6	9
2:26:33 PM	2	6	8
2:26:45 PM	3	5	8
2:27:44 PM	4	6	10
2:27:52 PM	3	6	9
2:28:09 PM	2	6	8
2:28:21 PM	3	6	9
2:28:49 PM	3	5	8
2:29:19 PM	3	4	7
2:29:48 PM	3	3	6

7:00PM - 9:30 PM

Arrival Time	Pick-up to Order Board	Behind Order Board	Total

Saturday Queue
Orange Raising Cane's

Prepared by National Data & Surveying Services

Queue Study

Project: 11066 Magnolia Ave Riverside
City: Riverside,CA

Date: 3/27/2019
Day: Wednesday

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
11:00 AM	0	0	0
11:01 AM	0	0	0
11:02 AM	0	0	0
11:03 AM	0	0	0
11:04 AM	0	0	0
11:05 AM	0	1	1
11:06 AM	0	1	1
11:07 AM	1	2	3
11:08 AM	1	3	4
11:09 AM	2	1	3
11:10 AM	3	1	4
11:11 AM	3	0	3
11:12 AM	2	0	2
11:13 AM	1	1	2
11:14 AM	0	3	3
11:15 AM	1	4	5
11:16 AM	2	2	4
11:17 AM	3	0	3
11:18 AM	2	0	2
11:19 AM	0	0	0
11:20 AM	0	2	2
11:21 AM	1	1	2
11:22 AM	1	2	3
11:23 AM	4	1	5
11:24 AM	4	2	6
11:25 AM	4	1	5
11:26 AM	2	1	3
11:27 AM	1	2	3
11:28 AM	1	1	2
11:29 AM	1	0	1
11:30 AM	1	1	2
11:31 AM	1	0	1
11:32 AM	0	0	0
11:33 AM	1	0	1
11:34 AM	1	0	1
11:35 AM	1	1	2
11:36 AM	2	0	2
11:37 AM	0	1	1
11:38 AM	1	0	1
11:39 AM	1	1	2
11:40 AM	0	0	0
11:41 AM	0	0	0
11:42 AM	0	1	1
11:43 AM	0	1	1
11:44 AM	1	0	1
11:45 AM	1	1	2
11:46 AM	1	2	3
11:47 AM	2	1	3
11:48 AM	3	0	3
11:49 AM	2	0	2
11:50 AM	1	1	2
11:51 AM	1	1	2
11:52 AM	1	3	4
11:53 AM	3	1	4
11:54 AM	3	2	5
11:55 AM	3	0	3
11:56 AM	2	1	3
11:57 AM	1	0	1
11:58 AM	1	3	4
11:59 AM	1	3	4
12:00 PM	1	3	4
12:01 PM	2	1	3
12:02 PM	1	6	7
12:03 PM	3	5	8
12:04 PM	3	4	7
12:05 PM	4	3	7

Time: (by min)	Pick-up to Order Board	Behind Order Board	Total
4:00 PM	1	2	3
4:01 PM	1	1	2
4:02 PM	3	2	5
4:03 PM	3	3	6
4:04 PM	4	2	6
4:05 PM	3	1	4
4:06 PM	2	2	4
4:07 PM	4	1	5
4:08 PM	3	0	3
4:09 PM	1	0	1
4:10 PM	1	2	3
4:11 PM	2	2	4
4:12 PM	2	1	3
4:13 PM	2	0	2
4:14 PM	1	1	2
4:15 PM	1	0	1
4:16 PM	0	0	0
4:17 PM	0	0	0
4:18 PM	0	4	4
4:19 PM	1	3	4
4:20 PM	1	2	3
4:21 PM	2	0	2
4:22 PM	1	0	1
4:23 PM	1	1	2
4:24 PM	2	1	3
4:25 PM	2	1	3
4:26 PM	2	1	3
4:27 PM	1	1	2
4:28 PM	1	0	1
4:29 PM	0	1	1
4:30 PM	1	1	2
4:31 PM	0	3	3
4:32 PM	2	1	3
4:33 PM	2	1	3
4:34 PM	1	1	2
4:35 PM	1	0	1
4:36 PM	1	0	1
4:37 PM	0	3	3
4:38 PM	1	6	7
4:39 PM	2	5	7
4:40 PM	1	4	5
4:41 PM	2	4	6
4:42 PM	2	4	6
4:43 PM	1	3	4
4:44 PM	3	1	4
4:45 PM	3	1	4
4:46 PM	3	2	5
4:47 PM	4	2	6
4:48 PM	6	3	9
4:49 PM	6	2	8
4:50 PM	6	3	9
4:51 PM	6	4	10
4:52 PM	6	3	9
4:53 PM	5	3	8
4:54 PM	5	2	7
4:55 PM	3	2	5
4:56 PM	2	1	3
4:57 PM	3	0	3
4:58 PM	2	1	3
4:59 PM	3	1	4
5:00 PM	4	2	6
5:01 PM	4	1	5
5:02 PM	4	1	5
5:03 PM	2	0	2
5:04 PM	1	1	2
5:05 PM	1	0	1

Project: 11066 Magnolia Ave Riverside
City: Riverside,CA

Date: 3/27/2019
Day: Wednesday

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:06 PM	6	1	7
12:07 PM	4	3	7
12:08 PM	6	1	7
12:09 PM	4	0	4
12:10 PM	2	1	3
12:11 PM	1	4	5
12:12 PM	2	2	4
12:13 PM	2	1	3
12:14 PM	2	3	5
12:15 PM	2	3	5
12:16 PM	2	2	4
12:17 PM	2	2	4
12:18 PM	2	2	4
12:19 PM	1	3	4
12:20 PM	2	1	3
12:21 PM	2	1	3
12:22 PM	1	1	2
12:23 PM	1	2	3
12:24 PM	1	3	4
12:25 PM	1	5	6
12:26 PM	1	7	8
12:27 PM	2	6	8
12:28 PM	3	6	9
12:29 PM	2	5	7
12:30 PM	0	6	6
12:31 PM	2	6	8
12:32 PM	3	4	7
12:33 PM	3	4	7
12:34 PM	3	3	6
12:35 PM	2	3	5
12:36 PM	2	3	5
12:37 PM	1	5	6
12:38 PM	1	8	9
12:39 PM	2	5	7
12:40 PM	3	9	12
12:41 PM	5	6	11
12:42 PM	4	5	9
12:43 PM	5	4	9
12:44 PM	5	5	10
12:45 PM	3	3	6
12:46 PM	4	3	7
12:47 PM	3	3	6
12:48 PM	3	4	7
12:49 PM	3	4	7
12:50 PM	3	3	6
12:51 PM	1	4	5
12:52 PM	2	3	5
12:53 PM	2	3	5
12:54 PM	2	4	6
12:55 PM	1	4	5
12:56 PM	2	3	5
12:57 PM	4	1	5
12:58 PM	2	3	5
12:59 PM	3	1	4
1:00 PM	1	2	3
1:01 PM	1	2	3
1:02 PM	1	5	6
1:03 PM	2	4	6
1:04 PM	3	2	5
1:05 PM	2	3	5
1:06 PM	2	2	4
1:07 PM	4	0	4
1:08 PM	1	1	2
1:09 PM	1	3	4
1:10 PM	2	5	7
1:11 PM	3	5	8
1:12 PM	3	4	7
1:13 PM	3	4	7
1:14 PM	2	5	7
1:15 PM	2	4	6

Time: (by min)	Pick-up to Order Board	Behind Order Board	Total
5:06 PM	1	0	1
5:07 PM	0	0	0
5:08 PM	0	0	0
5:09 PM	0	0	0
5:10 PM	0	1	1
5:11 PM	1	0	1
5:12 PM	1	1	2
5:13 PM	1	3	4
5:14 PM	3	0	3
5:15 PM	2	0	2
5:16 PM	2	1	3
5:17 PM	2	0	2
5:18 PM	1	0	1
5:19 PM	0	1	1
5:20 PM	0	2	2
5:21 PM	2	1	3
5:22 PM	2	2	4
5:23 PM	2	1	3
5:24 PM	2	1	3
5:25 PM	2	4	6
5:26 PM	2	2	4
5:27 PM	1	5	6
5:28 PM	3	5	8
5:29 PM	1	5	6
5:30 PM	1	5	6
5:31 PM	2	6	8
5:32 PM	4	5	9
5:33 PM	5	4	9
5:34 PM	5	5	10
5:35 PM	5	3	8
5:36 PM	3	3	6
5:37 PM	2	3	5
5:38 PM	1	3	4
5:39 PM	2	3	5
5:40 PM	2	1	3
5:41 PM	2	1	3
5:42 PM	1	1	2
5:43 PM	1	0	1
5:44 PM	0	0	0
5:45 PM	0	1	1
5:46 PM	1	0	1
5:47 PM	0	1	1
5:48 PM	0	1	1
5:49 PM	1	3	4
5:50 PM	3	1	4
5:51 PM	1	2	3
5:52 PM	2	0	2
5:53 PM	1	1	2
5:54 PM	2	2	4
5:55 PM	2	1	3
5:56 PM	2	0	2
5:57 PM	2	2	4
5:58 PM	4	2	6
5:59 PM	1	2	3
6:00 PM	0	2	2
6:01 PM	2	3	5
6:02 PM	2	4	6
6:03 PM	2	3	5
6:04 PM	2	3	5
6:05 PM	2	2	4
6:06 PM	2	4	6
6:07 PM	3	5	8
6:08 PM	2	5	7
6:09 PM	2	5	7
6:10 PM	3	6	9
6:11 PM	3	6	9
6:12 PM	4	7	11
6:13 PM	3	6	9
6:14 PM	2	6	8
6:15 PM	4	5	9

Project: 11066 Magnolia Ave Riverside
City: Riverside,CA

Date: 3/27/2019
Day: Wednesday

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:16 PM	2	4	6
1:17 PM	3	2	5
1:18 PM	4	1	5
1:19 PM	3	0	3
1:20 PM	2	3	5
1:21 PM	1	4	5
1:22 PM	1	4	5
1:23 PM	2	5	7
1:24 PM	3	7	10
1:25 PM	4	5	9
1:26 PM	3	6	9
1:27 PM	4	6	10
1:28 PM	1	5	6
1:29 PM	3	5	8
1:30 PM	3	6	9
1:31 PM	2	5	7
1:32 PM	3	4	7
1:33 PM	4	3	7
1:34 PM	4	2	6
1:35 PM	4	3	7
1:36 PM	4	2	6
1:37 PM	4	1	5
1:38 PM	4	1	5
1:39 PM	1	1	2
1:40 PM	1	0	1
1:41 PM	0	0	0
1:42 PM	0	0	0
1:43 PM	0	3	3
1:44 PM	2	1	3
1:45 PM	1	2	3
1:46 PM	2	3	5
1:47 PM	0	3	3
1:48 PM	0	5	5
1:49 PM	1	6	7
1:50 PM	2	3	5
1:51 PM	2	3	5
1:52 PM	1	3	4
1:53 PM	1	3	4
1:54 PM	1	4	5
1:55 PM	2	4	6
1:56 PM	2	4	6
1:57 PM	4	2	6
1:58 PM	3	3	6
1:59 PM	2	3	5

Time: (by min)	Pick-up to Order Board	Behind Order Board	Total
6:16 PM	2	5	7
6:17 PM	3	5	8
6:18 PM	4	5	9
6:19 PM	3	4	7
6:20 PM	3	4	7
6:21 PM	2	5	7
6:22 PM	4	3	7
6:23 PM	4	1	5
6:24 PM	3	1	4
6:25 PM	3	1	4
6:26 PM	1	3	4
6:27 PM	2	2	4
6:28 PM	2	3	5
6:29 PM	1	6	7
6:30 PM	2	5	7
6:31 PM	3	5	8
6:32 PM	3	4	7
6:33 PM	3	3	6
6:34 PM	2	3	5
6:35 PM	1	2	3
6:36 PM	2	1	3
6:37 PM	2	0	2
6:38 PM	1	1	2
6:39 PM	1	0	1
6:40 PM	1	2	3
6:41 PM	1	4	5
6:42 PM	1	3	4
6:43 PM	3	3	6
6:44 PM	2	3	5
6:45 PM	3	1	4
6:46 PM	2	1	3
6:47 PM	2	0	2
6:48 PM	1	0	1
6:49 PM	0	1	1
6:50 PM	1	1	2
6:51 PM	1	1	2
6:52 PM	2	2	4
6:53 PM	2	3	5
6:54 PM	1	3	4
6:55 PM	1	2	3
6:56 PM	2	1	3
6:57 PM	1	3	4
6:58 PM	1	3	4
6:59 PM	2	2	4

Prepared by National Data & Surveying Services

Queue Study

Project: 11066 Magnolia Ave Riverside
City: Riverside,CA

Date: 3/30/2019
Day: Saturday

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
11:00 AM	0	0	0
11:01 AM	1	0	1
11:02 AM	1	0	1
11:03 AM	1	0	1
11:04 AM	0	0	0
11:05 AM	0	0	0
11:06 AM	1	1	2
11:07 AM	2	0	2
11:08 AM	1	0	1
11:09 AM	1	0	1
11:10 AM	1	3	4
11:11 AM	3	1	4
11:12 AM	3	3	6
11:13 AM	3	3	6
11:14 AM	4	2	6
11:15 AM	5	1	6
11:16 AM	5	1	6
11:17 AM	5	1	6
11:18 AM	4	0	4
11:19 AM	4	0	4
11:20 AM	3	0	3
11:21 AM	2	0	2
11:22 AM	0	0	0
11:23 AM	1	0	1
11:24 AM	1	0	1
11:25 AM	0	0	0
11:26 AM	0	0	0
11:27 AM	0	0	0
11:28 AM	1	0	1
11:29 AM	1	0	1
11:30 AM	1	1	2
11:31 AM	2	1	3
11:32 AM	2	2	4
11:33 AM	4	0	4
11:34 AM	3	0	3
11:35 AM	4	1	5
11:36 AM	5	1	6
11:37 AM	5	1	6
11:38 AM	6	3	9
11:39 AM	7	2	9
11:40 AM	6	0	6
11:41 AM	6	0	6
11:42 AM	5	1	6
11:43 AM	3	0	3
11:44 AM	1	0	1
11:45 AM	2	0	2
11:46 AM	0	0	0
11:47 AM	0	0	0
11:48 AM	1	1	2
11:49 AM	1	0	1
11:50 AM	1	0	1
11:51 AM	1	0	1
11:52 AM	0	0	0
11:53 AM	1	0	1
11:54 AM	3	0	3
11:55 AM	4	0	4
11:56 AM	3	0	3
11:57 AM	2	0	2
11:58 AM	3	1	4
11:59 AM	3	2	5
12:00 PM	3	2	5
12:01 PM	5	1	6
12:02 PM	5	1	6
12:03 PM	4	3	7
12:04 PM	4	2	6
12:05 PM	5	1	6
12:06 PM	7	3	10
12:07 PM	8	3	11

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
4:00 PM	1	1	2
4:01 PM	2	1	3
4:02 PM	1	0	1
4:03 PM	2	0	2
4:04 PM	3	0	3
4:05 PM	3	0	3
4:06 PM	5	1	6
4:07 PM	5	3	8
4:08 PM	5	5	10
4:09 PM	5	4	9
4:10 PM	4	3	7
4:11 PM	5	3	8
4:12 PM	6	3	9
4:13 PM	5	3	8
4:14 PM	4	4	8
4:15 PM	3	4	7
4:16 PM	5	2	7
4:17 PM	6	1	7
4:18 PM	5	2	7
4:19 PM	5	0	5
4:20 PM	4	1	5
4:21 PM	2	3	5
4:22 PM	3	4	7
4:23 PM	5	6	11
4:24 PM	6	3	9
4:25 PM	5	4	9
4:26 PM	6	2	8
4:27 PM	5	3	8
4:28 PM	4	2	6
4:29 PM	2	4	6
4:30 PM	3	1	4
4:31 PM	4	1	5
4:32 PM	4	0	4
4:33 PM	3	0	3
4:34 PM	4	0	4
4:35 PM	3	2	5
4:36 PM	4	2	6
4:37 PM	5	4	9
4:38 PM	3	2	5
4:39 PM	5	2	7
4:40 PM	3	1	4
4:41 PM	5	0	5
4:42 PM	5	1	6
4:43 PM	3	1	4
4:44 PM	2	0	2
4:45 PM	3	1	4
4:46 PM	2	0	2
4:47 PM	2	0	2
4:48 PM	2	0	2
4:49 PM	1	1	2
4:50 PM	1	2	3
4:51 PM	2	0	2
4:52 PM	1	2	3
4:53 PM	2	1	3
4:54 PM	3	3	6
4:55 PM	4	1	5
4:56 PM	3	3	6
4:57 PM	4	3	7
4:58 PM	4	1	5
4:59 PM	4	2	6
5:00 PM	6	0	6
5:01 PM	7	1	8
5:02 PM	6	1	7
5:03 PM	5	2	7
5:04 PM	6	1	7
5:05 PM	5	1	6
5:06 PM	4	1	5
5:07 PM	4	1	5

Project: 11066 Magnolia Ave Riverside
City: Riverside,CA

Date: 3/30/2019
Day: Saturday

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
12:08 PM	6	3	9
12:09 PM	7	1	8
12:10 PM	7	2	9
12:11 PM	7	3	10
12:12 PM	6	4	10
12:13 PM	6	4	10
12:14 PM	4	3	7
12:15 PM	6	2	8
12:16 PM	4	2	6
12:17 PM	3	4	7
12:18 PM	3	2	5
12:19 PM	4	2	6
12:20 PM	4	3	7
12:21 PM	3	3	6
12:22 PM	4	2	6
12:23 PM	4	2	6
12:24 PM	5	0	5
12:25 PM	1	0	1
12:26 PM	1	0	1
12:27 PM	0	0	0
12:28 PM	3	2	5
12:29 PM	3	1	4
12:30 PM	2	2	4
12:31 PM	3	2	5
12:32 PM	5	1	6
12:33 PM	4	3	7
12:34 PM	4	3	7
12:35 PM	4	3	7
12:36 PM	4	3	7
12:37 PM	5	2	7
12:38 PM	6	2	8
12:39 PM	6	1	7
12:40 PM	5	1	6
12:41 PM	5	1	6
12:42 PM	4	1	5
12:43 PM	7	2	9
12:44 PM	7	2	9
12:45 PM	6	2	8
12:46 PM	5	1	6
12:47 PM	6	1	7
12:48 PM	6	2	8
12:49 PM	6	1	7
12:50 PM	4	1	5
12:51 PM	4	4	8
12:52 PM	4	3	7
12:53 PM	5	2	7
12:54 PM	6	2	8
12:55 PM	5	2	7
12:56 PM	6	3	9
12:57 PM	4	5	9
12:58 PM	6	6	12
12:59 PM	5	6	11
1:00 PM	3	7	10
1:01 PM	5	5	10
1:02 PM	3	6	9
1:03 PM	3	4	7
1:04 PM	6	5	11
1:05 PM	4	5	9
1:06 PM	5	3	8
1:07 PM	6	3	9
1:08 PM	5	3	8
1:09 PM	4	5	9
1:10 PM	5	3	8
1:11 PM	5	2	7
1:12 PM	6	2	8
1:13 PM	4	4	8
1:14 PM	6	2	8
1:15 PM	6	3	9
1:16 PM	6	3	9
1:17 PM	6	2	8
1:18 PM	6	2	8
1:19 PM	4	2	6

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
5:08 PM	3	0	3
5:09 PM	3	0	3
5:10 PM	2	0	2
5:11 PM	2	0	2
5:12 PM	1	2	3
5:13 PM	2	1	3
5:14 PM	3	1	4
5:15 PM	3	3	6
5:16 PM	4	2	6
5:17 PM	3	2	5
5:18 PM	3	1	4
5:19 PM	4	1	5
5:20 PM	3	1	4
5:21 PM	4	0	4
5:22 PM	4	0	4
5:23 PM	4	0	4
5:24 PM	2	0	2
5:25 PM	3	0	3
5:26 PM	3	1	4
5:27 PM	3	0	3
5:28 PM	2	2	4
5:29 PM	4	1	5
5:30 PM	5	1	6
5:31 PM	4	1	5
5:32 PM	4	0	4
5:33 PM	4	0	4
5:34 PM	3	0	3
5:35 PM	1	0	1
5:36 PM	0	0	0
5:37 PM	2	0	2
5:38 PM	3	1	4
5:39 PM	4	0	4
5:40 PM	3	2	5
5:41 PM	3	2	5
5:42 PM	3	0	3
5:43 PM	5	0	5
5:44 PM	4	0	4
5:45 PM	2	0	2
5:46 PM	1	0	1
5:47 PM	1	0	1
5:48 PM	2	1	3
5:49 PM	3	0	3
5:50 PM	2	2	4
5:51 PM	2	0	2
5:52 PM	2	0	2
5:53 PM	1	0	1
5:54 PM	2	1	3
5:55 PM	3	1	4
5:56 PM	3	0	3
5:57 PM	2	0	2
5:58 PM	0	0	0
5:59 PM	1	0	1
6:00 PM	1	0	1
6:01 PM	0	0	0
6:02 PM	1	0	1
6:03 PM	0	1	1
6:04 PM	0	1	1
6:05 PM	2	0	2
6:06 PM	1	0	1
6:07 PM	1	0	1
6:08 PM	2	0	2
6:09 PM	4	0	4
6:10 PM	5	0	5
6:11 PM	6	0	6
6:12 PM	7	0	7
6:13 PM	6	0	6
6:14 PM	6	0	6
6:15 PM	5	1	6
6:16 PM	5	0	5
6:17 PM	5	0	5
6:18 PM	3	0	3
6:19 PM	2	0	2

Project: 11066 Magnolia Ave Riverside
City: Riverside,CA

Date: 3/30/2019
Day: Saturday

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
1:20 PM	5	7	12
1:21 PM	5	6	11
1:22 PM	5	5	10
1:23 PM	5	3	8
1:24 PM	3	4	7
1:25 PM	2	4	6
1:26 PM	4	2	6
1:27 PM	6	2	8
1:28 PM	5	1	6
1:29 PM	4	4	8
1:30 PM	7	3	10
1:31 PM	6	4	10
1:32 PM	5	3	8
1:33 PM	4	5	9
1:34 PM	5	3	8
1:35 PM	4	6	10
1:36 PM	3	6	9
1:37 PM	4	8	12
1:38 PM	4	6	10
1:39 PM	6	5	11
1:40 PM	4	6	10
1:41 PM	4	5	9
1:42 PM	5	5	10
1:43 PM	5	4	9
1:44 PM	5	3	8
1:45 PM	6	2	8
1:46 PM	7	3	10
1:47 PM	5	3	8
1:48 PM	5	2	7
1:49 PM	5	3	8
1:50 PM	3	5	8
1:51 PM	4	6	10
1:52 PM	6	3	9
1:53 PM	6	1	7
1:54 PM	6	1	7
1:55 PM	5	1	6
1:56 PM	6	2	8
1:57 PM	7	2	9
1:58 PM	6	2	8
1:59 PM	5	2	7

Arrival Time	Pick-up to Order Board	Behind Order Board	Total
6:20 PM	3	0	3
6:21 PM	1	0	1
6:22 PM	2	0	2
6:23 PM	2	0	2
6:24 PM	3	0	3
6:25 PM	3	0	3
6:26 PM	2	0	2
6:27 PM	2	0	2
6:28 PM	1	0	1
6:29 PM	2	0	2
6:30 PM	3	1	4
6:31 PM	4	2	6
6:32 PM	3	5	8
6:33 PM	4	4	8
6:34 PM	4	5	9
6:35 PM	3	3	6
6:36 PM	4	2	6
6:37 PM	4	0	4
6:38 PM	2	4	6
6:39 PM	5	4	9
6:40 PM	4	3	7
6:41 PM	5	3	8
6:42 PM	5	4	9
6:43 PM	3	5	8
6:44 PM	4	6	10
6:45 PM	3	5	8
6:46 PM	4	4	8
6:47 PM	4	7	11
6:48 PM	4	3	7
6:49 PM	3	6	9
6:50 PM	5	4	9
6:51 PM	5	3	8
6:52 PM	5	5	10
6:53 PM	3	3	6
6:54 PM	3	5	8
6:55 PM	3	4	7
6:56 PM	4	2	6
6:57 PM	4	1	5
6:58 PM	3	5	8
6:59 PM	4	3	7

ATTACHMENT **B**

ITE QUEUING CALCULATION WORKSHEETS

DRIVE-THROUGH QUEUING ANALYSIS

Project: Raising Cane's Restaurant
Location: 1215 Ontario Avenue, Corona

INPUT VALUES

Variable	Description	Value
A =	average number of vehicle arrivals per hour [1]	79
S =	service rate, number of vehicles per hour	87
I =	traffic intensity, utilization factor = A/S	0.91
Q =	queue capacity (vehicles)	34

FORMULAS

Average Length of Queue

$$\text{Avg } Q = A^2 / S(S-A) = I^2 / 1-I$$ 8.67

Probability of Q Number of Vehicles in Queue

$$P(Q) = (I)^Q (1-I)$$ 0.32%

Probability of Queue Exceeding Q Vehicles

$$\sum_{Q=0}^{Q=a} P(Q) \geq 0.95$$ 3.09%

[1] For a worst-case analysis, the peak arrival rate observed at the Orange Raising Cane's site is used here.

Source: Institute of Transportation Engineers (ITE)
Transportation Planning Handbook, 3rd Edition

MRCOG Traffic Counts
Summary Statistics
See notes, bottom of report

8/17/2022 3:29:38 PM

					Direction 1		Direction 2		AM Peak Hour					PM Peak Hour						
COGID	Route Name	Location Description	Count Date	Total Volume	Daily Volume	Dir	Daily Volume	Dir	Time Begin	Volume	% Daily	Dir Split	Pk Dir	Time Begin	Volume	% Daily	Dlr Split	Pk Dir	Count Quality	Count Type
264280	GIBSON INTCH.	I-25 NBD ON RAMP FROM EBD GIBSON	5/1/1998	3,033	3,033	N			700	258	8.51	1.00	N	1530	353	11.64	1.00	N	T	Vol
264280	GIBSON INTCH.	I-25 NBD ON RAMP FROM EBD GIBSON	9/1/1998	3,274	3,274	N			715	310	9.47	1.00	N	1515	344	10.51	1.00	N	T	Vol
264280	GIBSON INTCH.	I-25 NBD ON RAMP FROM EBD GIBSON	1/1/1999	2,900	2,900	N			715	259	8.93	1.00	N	1530	353	12.17	1.00	N	T	VC
264280	GIBSON INTCH.	I-25 NBD ON RAMP FROM EBD GIBSON	5/1/1996	5,317	5,317	N			700	489	9.20	1.00	N	1530	636	11.96	1.00	N	T	Vol
264280	GIBSON INTCH.	I-25 NBD ON RAMP FROM EBD GIBSON	3/1/2005	4,579	4,579	N			700	477	10.42	1.00	N	1500	526	11.49	1.00	N	T	Vol
264280	GIBSON INTCH.	I-25 NBD ON RAMP FROM EBD GIBSON	3/1/2008	10,511	10,511	N			730	536	5.10	1.00	N	1600	1,315	12.51	1.00	N	T	Vol
264280	GIBSON INTCH.	I-25 NBD ON RAMP FROM EBD GIBSON	6/25/2013	11,036	11,036	E			730	591	5.36	1.00	E	1545	1,344	12.18	1.00	E	T	Vol
264280	GIBSON INTCH.	I-25 NBD ON RAMP FROM EBD GIBSON	4/28/2014	3,224	3,224	N			645	392	12.16	1.00	N	1500	307	9.52	1.00	N	T	Vol
264280	GIBSON INTCH.	I-25 NBD ON RAMP FROM EBD GIBSON	2/13/2017	3,036	3,036	N			700	278	9.16	1.00	N	1515	305	10.05	1.00	N	T	Vol
264280	GIBSON INTCH.	I-25 NBD ON RAMP FROM EBD GIBSON	2/22/2021	3,058	3,058	N			930	303	9.91	1.00	N	1730	306	10.01	1.00	N	T	Vol
264321	UNIVERSITY	NORTH OF GIBSON	4/1/1994	7,874	3,769	N	4,105	S	745	588	7.47	0.51	S	1630	709	9.00	0.51	N	T	Vol
264321	UNIVERSITY	NORTH OF GIBSON	9/1/2003	7,890	3,755	N	4,135	S	730	685	8.68	0.61	N	1800	560	7.10	0.75	S	T	Vol
264321	UNIVERSITY	NORTH OF GIBSON	3/1/2000	8,667	4,727	N	3,940	S	715	718	8.28	0.64	N	1630	914	10.55	0.56	N	T	Vol
264321	UNIVERSITY	NORTH OF GIBSON	5/1/1991	8,016	3,721	N	4,295	S	730	583	7.27	0.55	N	1600	845	10.54	0.65	N	Q	Vol
264321	UNIVERSITY	NORTH OF GIBSON	3/1/1997	8,750	4,001	N	4,749	S	715	682	7.79	0.52	S	1615	810	9.26	0.54	S	T	Vol
264321	UNIVERSITY	NORTH OF GIBSON	9/1/2008	7,432	3,581	N	3,851	S	745	616	8.29	0.60	N	1630	751	10.10	0.53	S	T	Vol
264321	UNIVERSITY	NORTH OF GIBSON	9/27/2011	7,938	3,974	N	3,964	S	830	680	8.57	0.68	N	1630	679	8.55	0.59	S	T	Vol
264321	UNIVERSITY	NORTH OF GIBSON	10/27/2014	9,578	4,483	N	5,095	S	800	672	7.02	0.62	N	1745	1,131	11.81	0.75	S	T	Vol
264321	UNIVERSITY	NORTH OF GIBSON	10/29/2018	9,001	4,628	N	4,373	S	815	507	5.63	0.61	N	1600	1,055	11.72	0.65	N	T	Vol
264361	GIBSON	EAST OF I-25 E. RAMPS	12/1/2009	33,503	16,472	W	17,031	E	715	2,869	8.56	0.71	E	1545	2,908	8.68	0.64	W	T	VC
264361	GIBSON	EAST OF I-25 E. RAMPS	12/1/2010	26,727	10,866	W	15,861	E	630	2,107	7.88	0.78	E	1730	1,717	6.42	0.56	W	Q	VC
264361	GIBSON	EAST OF I-25 E. RAMPS	12/1/2002	37,264	18,369	E	18,895	W	700	3,171	8.51	0.73	E	1545	3,278	8.80	0.68	W	T	Vol
264361	GIBSON	EAST OF I-25 E. RAMPS	11/1/1997	39,006	17,654	E	21,352	W	700	2,983	7.65	0.68	E	1615	3,628	9.30	0.70	W	T	Vol
264361	GIBSON	EAST OF I-25 E. RAMPS	5/1/1998	29,051	15,082	E	13,969	W	700	2,643	9.10	0.75	E	1645	2,233	7.69	0.66	W	T	Vol
264361	GIBSON	EAST OF I-25 E. RAMPS	12/1/2006	28,580	13,837	E	14,743	W	715	2,025	7.09	0.65	E	1615	2,394	8.38	0.67	W	T	Vol
264361	GIBSON	EAST OF I-25 E. RAMPS	12/3/2013	30,552	15,211	E	15,341	W	715	2,307	7.55	0.77	E	1500	2,011	6.58	0.65	W	T	VC
264361	GIBSON	EAST OF I-25 E. RAMPS	9/22/2015	41,252	20,858	E	20,394	W	645	3,248	7.87	0.68	E	1600	3,476	8.43	0.63	W	T	Vol

MRCOG Traffic Counts
Summary Statistics
See notes, bottom of report

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					Direction 1		Direction 2		AM Peak Hour					PM Peak Hour						
COGID	Route Name	Location Description	Count Date	Total Volume	Daily Volume	Dir	Daily Volume	Dir	Time Begin	Volume	% Daily	Dir Split	Pk Dir	Time Begin	Volume	% Daily	Dlr Split	Pk Dir	Count Quality	Count Type
264361	GIBSON	EAST OF I-25 E. RAMPS	9/20/2021	41,831	20,313	E	21,518	W	715	3,496	8.36	0.66	E	1530	3,352	8.01	0.67	W	T	Vol
264361	GIBSON	EAST OF I-25 E. RAMPS	9/25/2018	44,110	22,125	E	21,985	W	630	3,462	7.85	0.72	E	1615	3,676	8.33	0.64	W	T	Vol
264362	GIBSON	WEST OF UNIVERSITY	2/1/1995	48,206	20,734	E	27,472	W	700	3,782	7.85	0.67	E	1615	4,732	9.82	0.71	W	Q	Vol
264362	GIBSON	WEST OF UNIVERSITY	4/1/1995	53,010	24,145	E	28,865	W	700	4,215	7.95	0.69	E	1630	4,854	9.16	0.65	W	T	Vol
264442	YALE	SOUTH OF AVENIDA CESAR CHAVEZ	12/1/1995	11,369	5,269	S	6,100	N	715	709	6.24	0.59	S	1615	1,029	9.05	0.60	N	T	VC
264442	YALE	SOUTH OF AVENIDA CESAR CHAVEZ	4/1/2004	12,801	6,565	S	6,236	N	700	865	6.76	0.67	S	1630	1,105	8.63	0.53	N	T	VC
264442	YALE	SOUTH OF AVENIDA CESAR CHAVEZ	4/1/2001	12,773	6,414	N	6,359	S	715	855	6.69	0.59	S	1630	1,076	8.42	0.58	N	T	Vol
264442	YALE	SOUTH OF AVENIDA CESAR CHAVEZ	4/1/1998	10,772	5,276	S	5,496	N	715	773	7.18	0.55	S	1630	1,044	9.69	0.56	N	T	Vol
264442	YALE	SOUTH OF AVENIDA CESAR CHAVEZ	11/1/1992	10,957	5,318	S	5,639	N	715	837	7.64	0.59	S	1630	1,145	10.45	0.64	N	T	Vol
264442	YALE	SOUTH OF AVENIDA CESAR CHAVEZ	4/1/2008	14,080	7,032	N	7,048	S	715	883	6.27	0.56	S	1630	1,342	9.53	0.51	S	T	Vol
264442	YALE	SOUTH OF AVENIDA CESAR CHAVEZ	9/17/2012	10,709	5,712	N	4,997	S	730	782	7.30	0.55	N	1630	963	8.99	0.59	N	T	Vol
264442	YALE	SOUTH OF AVENIDA CESAR CHAVEZ	4/22/2014	11,146	5,713	N	5,433	S	745	781	7.01	0.53	N	1615	977	8.77	0.58	N	T	Vol
264442	YALE	SOUTH OF AVENIDA CESAR CHAVEZ	4/24/2017	13,997	6,639	N	7,358	S	800	1,260	9.00	0.60	N	1600	1,304	9.32	0.52	N	T	Vol
264442	YALE	SOUTH OF AVENIDA CESAR CHAVEZ	4/13/2021	9,278	4,692	N	4,586	S	715	635	6.84	0.52	S	1600	853	9.19	0.57	N	T	Vol
264481	GIBSON	EAST OF UNIVERSITY	12/1/2009	30,798	15,603	W	15,195	E	645	2,394	7.77	0.72	E	1545	2,591	8.41	0.62	W	T	VC
264481	GIBSON	EAST OF UNIVERSITY	10/1/1995	47,691	23,203	E	24,488	W	715	3,654	7.66	0.69	E	1615	4,043	8.48	0.65	W	T	Vol
264481	GIBSON	EAST OF UNIVERSITY	10/1/2002	42,196	21,534	E	20,662	W	630	3,492	8.28	0.77	E	1600	3,671	8.70	0.67	W	T	Vol
264481	GIBSON	EAST OF UNIVERSITY	10/1/1991	44,427	21,987	E	22,440	W	700	3,444	7.75	0.68	E	1630	3,816	8.59	0.63	W	T	Vol
264481	GIBSON	EAST OF UNIVERSITY	6/1/2009	35,884	17,352	W	18,532	E	700	2,697	7.52	0.73	E	1530	2,778	7.74	0.63	W	T	VC
264481	GIBSON	EAST OF UNIVERSITY	10/1/2005	37,029	17,742	E	19,287	W	700	2,945	7.95	0.70	E	1600	3,316	8.96	0.71	W	T	Vol
264481	GIBSON	EAST OF UNIVERSITY	12/11/2012	37,989	18,779	E	19,210	W	715	3,249	8.55	0.70	E	1545	3,277	8.63	0.68	W	T	Vol
264481	GIBSON	EAST OF UNIVERSITY	12/3/2013	40,541	19,601	E	20,940	W	715	3,351	8.27	0.69	E	1615	3,545	8.74	0.70	W	T	Vol
264481	GIBSON	EAST OF UNIVERSITY	6/28/2016	41,588	18,526	E	23,062	W	630	2,924	7.03	0.68	E	1600	3,311	7.96	0.73	W	T	Vol
264481	GIBSON	EAST OF UNIVERSITY	5/18/2020	27,376	12,592	E	14,784	W	630	1,889	6.90	0.69	E	1545	2,290	8.36	0.70	W	T	Vol
264481	GIBSON	EAST OF UNIVERSITY	2/1/2021	31,475	15,038	E	16,437	W	715	2,306	7.33	0.67	E	1545	2,785	8.85	0.70	W	T	Vol
264481	GIBSON	EAST OF UNIVERSITY	11/18/2019	41,349	20,552	E	20,797	W	645	3,393	8.21	0.70	E	1615	3,655	8.84	0.64	W	T	Vol
264481	GIBSON	EAST OF UNIVERSITY	6/29/2020	32,884	14,168	E	18,716	W	630	2,310	7.02	0.65	E	1600	2,736	8.32	0.73	W	T	Vol