



January 9, 2020

Firat Akcay
City of Miami Beach
1700 Convention Center Drive
Miami Beach, Florida 33139

**Re: 3120 Collins Avenue Redevelopment
Traffic Assessment**

Dear Mr. Akcay:

Kimley-Horn and Associates, Inc. has performed a traffic assessment for the proposed redevelopment of the property located at 3120 Collins Avenue in Miami Beach, Florida. Currently, the existing site is occupied by a 102-room hotel and a restaurant with three (3) dining areas with a total of 100 seats. The proposed redevelopment includes the addition of 18 hotel rooms for a total of 120 hotel rooms. Please note that the existing 100 seats within the three (3) dining areas will remain as part of the redevelopment. Further note that the 38 seats in the interior lobby will remain as part of the redevelopment and are considered ancillary to the hotel land use and were not included in the trip generation calculations as they are not expected to generate additional external site traffic. A location map, existing development site plan, and proposed redevelopment site plan are provided in Attachment A-1. The traffic assessment consists of trip generation calculations, on-site vehicle queueing analysis, and transportation demand management strategies and is consistent with the requirements outlined by the City of Miami Beach. Methodology correspondence detailing the traffic assessment requirements are included in Attachment B-1. The following sections summarize the traffic assessment.

TRIP GENERATION

Trip generation calculations for the proposed expansion were performed using the Institute of Transportation Engineers' (ITE's) *Trip Generation Manual*, 10th Edition. The trip generation for the proposed expansion was determined using ITE Land Use Code (LUC) 310 (Hotel) and LUC 931 (Quality Restaurant). Project trips were estimated for the weekday A.M. and P.M. peak hours and Saturday peak hour of generator.

A multimodal (public transit, bicycle, and pedestrian) factor based on US Census *Means of Transportation to Work* data was reviewed for the census tract in the vicinity of the site. The US Census data indicated that there is a 31.1 percent (31.1%) multimodal factor within the vicinity of the site. However, to provide a conservative analysis, a multimodal factor of 20.0 percent (20.0%) was applied to the trip generation calculations to account for the urban environment in which the project site is located. It is expected that a portion of employees, guests, and patrons will choose to walk, bike, or use public transit to and from the site.

Table 1 summarizes the expected trip generation for the proposed redevelopment. As Table 1 indicates, the project is expected to generate eight (8) net new vehicle trips during the weekday A.M. peak hour, 10 net new vehicle trips during the weekday P.M. peak hour, and 10 net new vehicle trips during the Saturday peak hour of generator. Detailed trip generation calculations and are included in Attachment C-1.

| Scenario | A.M. Peak Hour | | | P.M. Peak Hour | | | Saturday Peak Hour of Generator | | |
|----------------------|----------------|----------|----------|----------------|----------|-----------|---------------------------------|----------|-----------|
| | In | Out | Total | In | Out | Total | In | Out | Total |
| Existing | 22 | 16 | 36 | 35 | 25 | 60 | 47 | 35 | 82 |
| Proposed | 27 | 19 | 46 | 39 | 31 | 70 | 53 | 39 | 92 |
| Net New Trips | 5 | 3 | 8 | 4 | 6 | 10 | 6 | 4 | 10 |

ON-SITE VEHICLE QUEUING ANALYSIS

An on-site vehicle queuing analysis for the guest drop-off/pick-up area was prepared in order to determine if vehicle queues are expected to extend onto Collins Avenue. The proposed expansion will be served by the existing drop-off/pick-up area located along the west side of Collins Avenue. Please note that the existing drop-off/pick-up area provides stacking to accommodate four (4) vehicles.

To determine if sufficient vehicle storage is provided, vehicle queuing data was collected in one (1) minute intervals from 12:00 P.M. to 7:00 P.M. on December 12, 2019 (Thursday) and December 14, 2019 (Saturday). A vehicle queuing ratio was developed utilizing the vehicle queuing data and was applied to the proposed redevelopment to determine the expected vehicle queue associated with the expansion. The maximum queues recorded were three (3) vehicles on Thursday and two (2) vehicles on Saturday. Vehicle queuing data is provided in Attachment D-1. Using the recorded maximum queues, accumulation rates of 0.0294 vehicles per room on a typical Thursday and 0.0196 vehicles per room on a typical Saturday were calculated. Based on the vehicle queuing rates, the proposed expansion will result in a maximum expected queue of four (4) vehicles on a typical Thursday and three (3) vehicles on a typical Saturday. Table 2 summarizes the expected vehicle queues associated with the proposed expansion.

| Scenario | Rooms | Accumulation Rate per Hour | Car Line Maximum Accumulation |
|---|-------|----------------------------|-------------------------------|
| Thursday Conditions (Saturday Conditions) | | | |
| Existing | 102 | 0.0294 (0.0196) | 3 (2) |
| Proposed | 120 | 0.0294 (0.0196) | 4 (3) |

The highest demand condition vehicle queuing analysis demonstrates that the proposed development is expected to result in a vehicle queue of four (4) vehicle within the proposed drop-off/pick-up area. As the existing drop-off/pick-up area provides one (1) drop-off/pick-up lane with storage for approximately four (4) vehicle lengths, it is expected that the existing drop-off/pick-up area will be able to accommodate the vehicle queues associated with the proposed expansion.

TRANSPORTATION DEMAND MANAGEMENT STRATEGIES

Transportation Demand Management (TDM) strategies are proposed to reduce the impacts of the project traffic on the surrounding roadway network. Typical measures promote bicycling and walking,

encourage car/vanpooling and offer alternatives to the typical workday hours. Additionally, the applicant will commit to providing the following incentives including:

- Creation of an Employee Transportation Coordinator position to run the transportation demand management (TDM) programs
- Provide ten (10) short-term bicycle parking spaces (bike racks) and six (6) long-term bicycle parking spaces (secured)
- Provide transit information within the site including route schedules and maps
- Designated scooter/motorcycle parking spaces
- Provide option to purchase pre-tax transit pass to employees
- Provide bike workroom/shop
- Provide bike washing stations

Additionally, please note that a Citi Bike station with 16 bicycle docks is located along the north side of 31st Street just east of Indian Creek Drive.

CONCLUSION

The proposed redevelopment includes the addition of 18 hotel rooms for a total of 120 hotel rooms. The proposed expansion is expected to generate eight (8) net new vehicle trips during the weekday A.M. peak hour, 10 net new vehicle trips during the weekday P.M. peak hour, and 10 net new vehicle trips during the Saturday peak hour of generator. Based on the on-site vehicle queuing analysis, the existing drop-off/pick-up area is expected to accommodate the vehicle queues associated with the proposed expansion.

TDM strategies are also proposed as part of the redevelopment to reduce the impacts of the project traffic on the surrounding roadway network. The applicant will commit to appointing a coordinator to oversee TDM programs, providing secure bicycle parking, providing transit information to guests, providing designated scooter/motorcycle parking spaces, providing an option to purchase pre-tax transit passes to employees, and providing bike workrooms and washing stations.

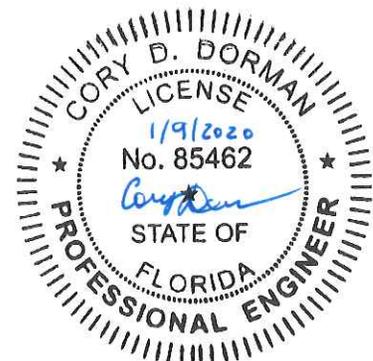
If you have any questions regarding this analysis, please feel free to contact me.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.

Cory D. Dorman, P.E., PTOE

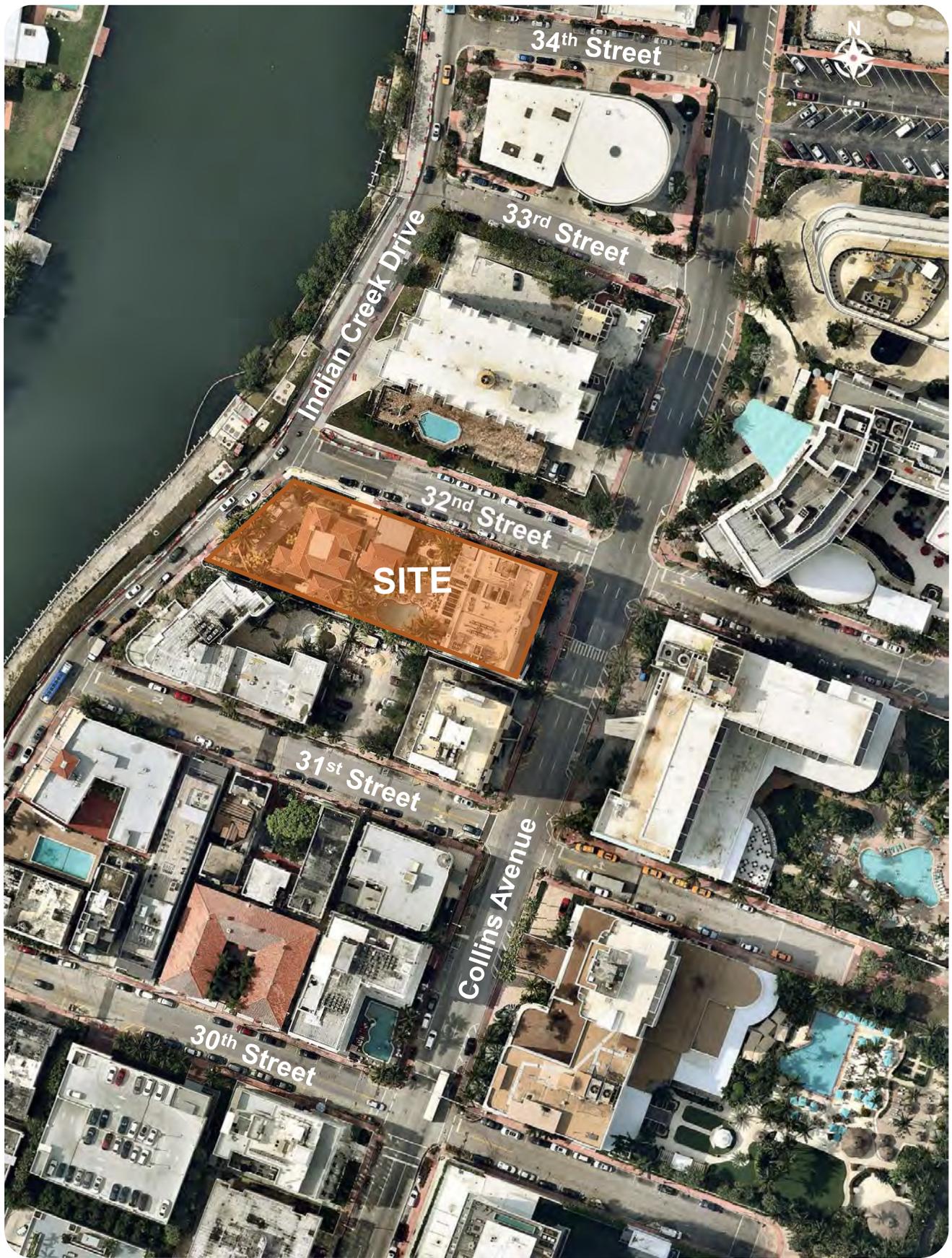
Attachments



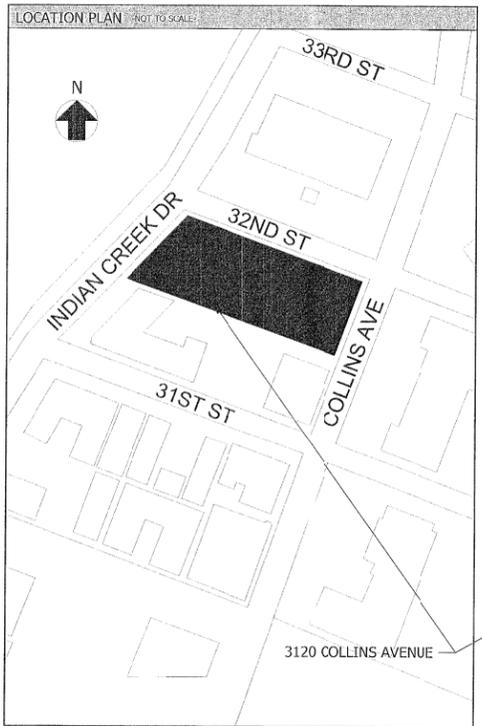
Cory D. Dorman, P.E., PTOE
Florida Registration Number 85462
Kimley-Horn and Associates, Inc.
600 North Pine Island Road, Suite 450
Plantation, Florida 33324
CA # 00000696

Attachment A-1

Location Map and Conceptual Site Plan



MIAMI BEACH, FL. 33140



SITE LEGEND

- PROPERTY LINE
- - - SETBACK LINE
- RAMP
- ▭ CONCRETE FLOOR
- ▨ GRAVEL/ CRUSHED SHELL
- ▩ OLD CHICAGO BRICK
- ▧ CONCRETE PAVEMENT
- ▩ PLANTING
- ⊘ CHILD BARRIER GATES
- ADA ACCESSIBILITY ROUTE
- PROPERTY LINE

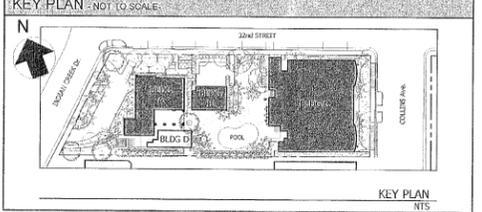
CITY OF MIAMI BEACH PUBLIC WORKS NOTES

THE CITY'S INSPECTOR WILL DETERMINE THE MAGNITUDE OF THE REPLACEMENT.

- A - REMOVE AND REPLACE SIDEWALK ALONG THE ENTIRE PROPERTY.
- B - RECONSTRUCT SWALES/5000 ALONG THE ENTIRE PROPERTY.
- C - MILL AND RESURFACE 2 INCHES AVERAGE USING TYPE S-III ASPHALT MIX DESIGN ON THE DRIVING LANE (20 FOOT WIDTH) ALONG THE ENTIRE PROPERTY.
- D - ANY WORK AND/OR IMPROVEMENTS FROM THE RIGHT-OF-WAY INCLUDING LANDSCAPING AND IRRIGATION REQUIRE A SEPARATE CPD PUBLIC WORKS DEPARTMENT RIGHT-OF-WAY CONSTRUCTION PERMIT.
- E - ALL CONSTRUCTION AND/OR USE OF EQUIPMENT IN THE RIGHT-OF-WAY WILL REQUIRE A SEPARATE CITY OF MIAMI BEACH PUBLIC WORKS DEPARTMENT RIGHT-OF-WAY CONSTRUCTION PERMIT PRIOR TO START OF CONSTRUCTION.

CITY OF MIAMI BEACH PLANNING & ZONING NOTES

ALL FDCS SHALL BE POLISHED CHROME.



FLOOD MANAGEMENT

| | |
|--|---------------|
| TOP OF GROUND FLOOR SLAB (BLDG D) | +1.92' (NGVD) |
| BASE FLOOR ELEVATION (BFE) | +1.00' (NGVD) |
| TOP OF FINISHED GROUND FLOOR (BFG D) | +1.00' (NGVD) |
| LOWEST FINISHED FLOOR ELEVATION OF HABITABLE SPACE | +1.00' (NGVD) |
| LOWEST GRADE ELEVATION ADJACENT TO BUILDING D | +1.75' (NGVD) |
| HIGHEST GRADE ELEVATION ADJACENT TO BUILDING D | +1.92' (NGVD) |
| LOWEST ELEVATION OF EQUIPMENT SERVICING BUILDING D | +1.00' (NGVD) |
| CROWN OF ROAD ELEVATION (INDIAN CREEK DR) | +1.61' (NGVD) |

REFER TO SHEETS FL 1 & FL 2 FOR FLOOD BARRIER PLANS & DETAILS.

FLOOD DATA

| | |
|------------------------------|-------------------------|
| FLOOD ZONE | AE |
| BASE FLOOD ELEVATION (BFE) | +1.00' NGVD |
| DESIGN FLOOD ELEVATION (DFE) | FEET + 12" = +9.0' NGVD |
| FIRM NUMBER | 1756602338 |

ALL MATERIALS IN DRY FLOOD PROOF AREAS BELOW 4.0' NGVD SHALL BE WATER RESISTANT AND SHALL COMPLY WITH F.E.M.A. BUILT IN NO. 2 - 2008 REFER TO SHEETS FL 1 & FL 2 FOR REFERENCE.

NOTES:

- THE BUILDING SHALL BE DESIGNED TO BE DRY FLOOD PROOFED IN ACCORDANCE WITH ASCE 24, CATEGORY 2 REFER TO FLOOD PLANS FOR LOCATION.
- ALL CONSTRUCTION AND FINISHES OUTSIDE THE DESIGNED DRY FLOODPROOFED AREA SHALL BE FLOOD RESISTANT MATERIALS IN COMPLIANCE WITH TABLES 5-1 AND 1-1 OF ASCE 24.
- IN ACCORDANCE WITH TABLE 1-1 OF ASCE 24 THE CLASSIFICATION OF STRUCTURE FOR FLOOD RESISTANCE IS "CATEGORY 2".

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH WORK. IF ANY DISCREPANCIES, FIGURING OR OMISSIONS SHOULD BE ENCOUNTERED ON PLANS, CONTRACTOR SHALL NOTIFY ARCHITECT BEFORE ANY PART OF THE WORK IS STARTED, SO THAT PROPER CORRECTIONS BE MADE. IF ARCHITECT IS NOT NOTIFIED PRIOR TO COMMENCING OF THE WORK, THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR ANY DISCREPANCIES, ERRORS OR OMISSIONS.

- REVISION #14
- BLDG DEPT COMMENTS 12/29/16
- BLDG DEPT COMMENTS 1/9/2017
- BLDG DEPT COMMENTS 2/12/2017
- PERMIT REVIEW 12/20/2017
- BLDG DEPT COMMENTS 3/24/2018

STAMP

TODD TRAGASH, A.E.A.
FLORIDA REGISTRATION NUMBER #11653

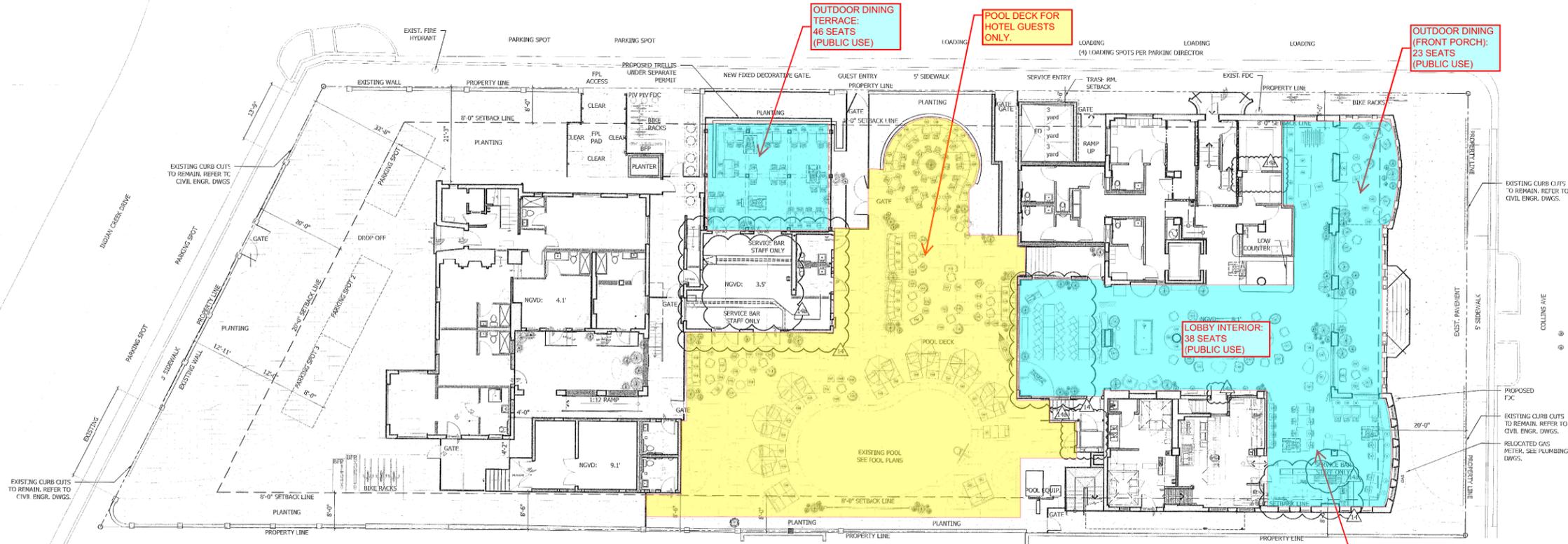
APR 25 2018

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CONSTRUCTION DOCUMENTS 100%

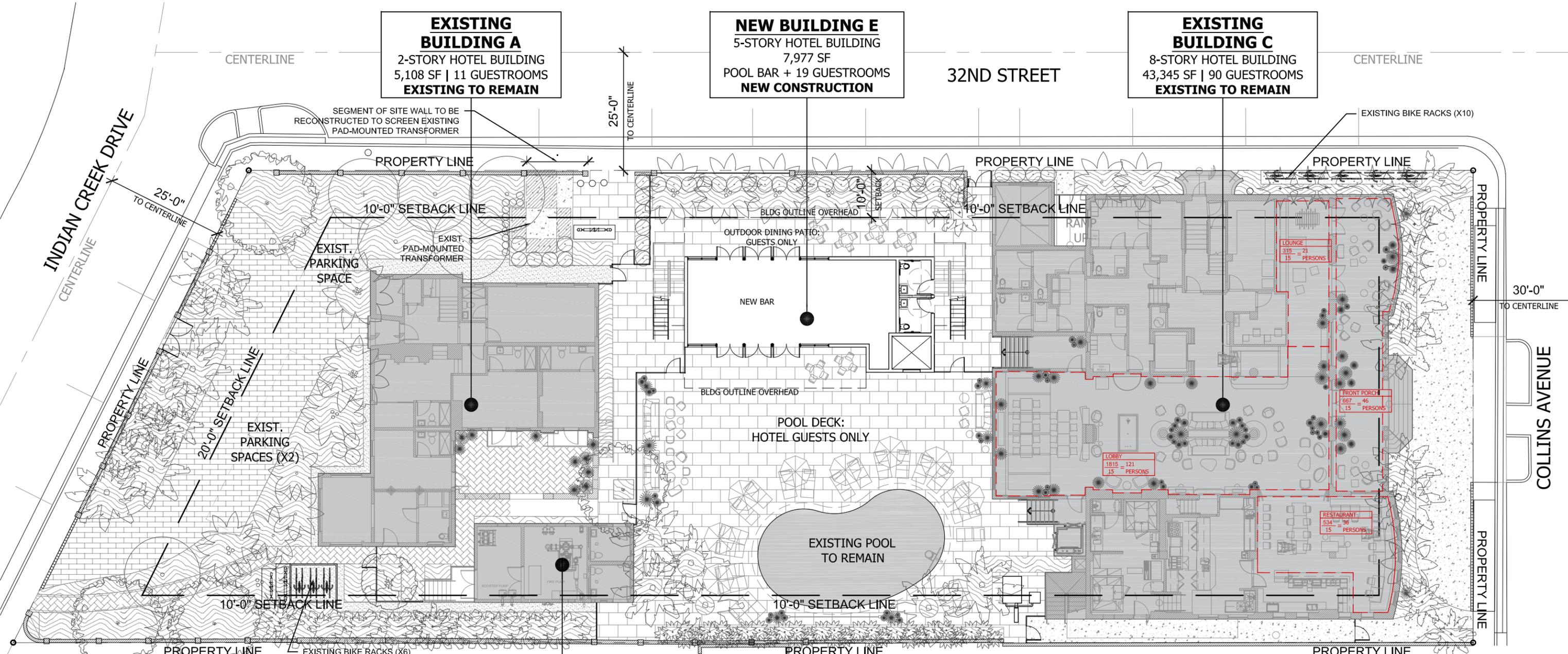
SITE PLAN

A.003

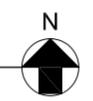


A SITE PLAN
SCALE: 3/32" = 1'-0"

REVISION #14
RV1805585



1 **PROPOSED SITE PLAN**
SCALE: 1" = 20'



DRAFT



Attachment B-1

Methodology Correspondence

Dorman, Cory

From: Akcay, Firat <FiratAkca@miamicbeachfl.gov>
Sent: Friday, November 22, 2019 3:13 PM
To: Dabkowski, Adrian; Ferrer, Josiel
Cc: Dorman, Cory; Bobby Behar; Michael Larkin
Subject: RE: 3120 Collins Avenue | Traffic Assessment Methodology

Categories: External

Hi Adriano,

Thank you for the revisions. We have no further comments on the methodology.



*Firat Akcay, M.S.C.E. MBA
Transportation Analyst
Transportation and Mobility Department
1688 Meridian Avenue, Suite 801, Miami Beach, FL 33139
Tel: 305-673-7000, ext 26839*

We are committed to providing excellent public service and safety to all who live, work and play in our vibrant, tropical, historic community.



Please do not print this e-mail unless necessary.

From: Dabkowski, Adrian <Adrian.Dabkowski@Kimley-horn.com>
Sent: Friday, November 22, 2019 8:34 AM
To: Akcay, Firat <FiratAkca@miamicbeachfl.gov>; Ferrer, Josiel <JOSIELFERRER@miamicbeachfl.gov>
Cc: Dorman, Cory <cory.dorman@kimley-horn.com>; Bobby Behar <rbehar@brzoninglaw.com>; Michael Larkin <MLarkin@brzoninglaw.com>
Subject: RE: 3120 Collins Avenue | Traffic Assessment Methodology

[THIS MESSAGE COMES FROM AN EXTERNAL EMAIL - USE CAUTION WHEN REPLYING AND OPENING LINKS OR ATTACHMENTS]

Good morning Firat:

The updated methodology attached, includes the restaurant and dining areas for the existing development and proposed redevelopment. Note that the existing 100-seats contained within the three dining areas will remain as part of the redevelopment. Note that the pool and pool bar are ancillary to the hotel as only hotel guests can utilize these facilities. A site plan denoting public and guest-only areas is contained in the attached methodology.

Let us know if the City has any further comments.

Thank you
Adrian

Adrian K. Dabkowski, P.E., PTOE
Kimley-Horn | 600 North Pine Island Road, Suite 450, Plantation, FL 33324
Direct: 954-535-5144 | Mobile: 303-990-2761

From: Akcay, Firat <FiratAkcay@miamibeachfl.gov>
Sent: Thursday, November 21, 2019 10:39 AM
To: Dabkowski, Adrian <Adrian.Dabkowski@Kimley-horn.com>; Ferrer, Josiel <JOSIELFERRER@miamibeachfl.gov>
Cc: Dorman, Cory <cory.dorman@kimley-horn.com>; Bobby Behar <rbehar@brzoninglaw.com>; Michael Larkin <MLarkin@brzoninglaw.com>
Subject: RE: 3120 Collins Avenue | Traffic Assessment Methodology

Adrian,

Can you clarify if the amenities will be open to public? If so, these uses cannot be considered as ancillary and would need to be included in the trip generation estimation.

Thank you



*Firat Akcay, M.S.C.E. MBA
Transportation Analyst
Transportation and Mobility Department
1688 Meridian Avenue, Suite 801, Miami Beach, FL 33139
Tel: 305-673-7000, ext 26839*

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 Please do not print this e-mail unless necessary.

From: Dabkowski, Adrian <Adrian.Dabkowski@Kimley-horn.com>
Sent: Thursday, November 21, 2019 8:27 AM
To: Ferrer, Josiel <JOSIELFERRER@miamibeachfl.gov>; Akcay, Firat <FiratAkcay@miamibeachfl.gov>
Cc: Dorman, Cory <cory.dorman@kimley-horn.com>; Bobby Behar <rbehar@brzoninglaw.com>; Michael Larkin <MLarkin@brzoninglaw.com>
Subject: 3120 Collins Avenue | Traffic Assessment Methodology

[THIS MESSAGE COMES FROM AN EXTERNAL EMAIL - USE CAUTION WHEN REPLYING AND OPENING LINKS OR ATTACHMENTS]

Good morning Josiel and Firat:

I really appreciate you taking the time to accommodate the methodology meeting for the 3120 Collins Avenue project on Monday. Thank you again. The traffic assessment methodology is attached. Please let us know if the City has any comments.

Adrian

Adrian K. Dabkowski, P.E., PTOE
Kimley-Horn | 600 North Pine Island Road, Suite 450, Plantation, FL 33324
Direct: 954-535-5144 | Mobile: 303-990-2761



Memorandum

To: Josiel Ferrer, P.E.
City of Miami Beach

Cc: Firat Akcay, City of Miami Beach

From: Cory D. Dorman, P.E., PTOE 
Adrian K. Dabkowski, P.E., PTOE 

Date: November 21, 2019

**Subject: 3120 Collins Avenue Redevelopment
Traffic Assessment Methodology**

The purpose of this memorandum is to summarize the traffic assessment methodology for the proposed redevelopment of the property located at 3120 Collins Avenue in Miami Beach, Florida. Currently, the existing site is occupied by a 102-room hotel and a restaurant with three (3) dining areas with a total of 100 seats. The proposed redevelopment includes the addition of 17 hotel rooms for a total of 119 hotel rooms. Please note that the existing 100 seats within the three (3) dining areas will remain as part of the redevelopment. Further note that the 38 seats in the interior lobby will remain as part of the redevelopment and are considered ancillary to the hotel land use and were not included in the trip generation calculations as they are not expected to generate additional external site traffic. A project location map and conceptual site plan are included in Attachment A. The following sections summarize our proposed methodology.

TRIP GENERATION

Trip generation calculations for the proposed redevelopment were performed using Institute of Transportation Engineers' (ITE) *Trip Generation Manual*, 10th Edition. The trip generation for the existing development and proposed redevelopment was determined using ITE Land Use Code (LUC) 310 (Hotel) and LUC 931 (Quality Restaurant). Project trips were estimated for the weekday A.M. and P.M. peak hours and Saturday peak hour of generator.

A multimodal (public transit, bicycle, and pedestrian) factor based on US Census *Means of Transportation to Work* data was reviewed for the census tracts in the vicinity of the site. The US Census data indicated that there is a 31.1 percent (31.1%) multimodal factor within the vicinity of the site. However, to provide a conservative analysis, a multimodal factor of 20.0 percent (20.0%) was applied to the trip generation calculations to account for the urban environment in which the project site is located. It is expected that a portion of employees, guests, and patrons will choose to walk, bike, or use public transit to and from the site.

The project is expected to generate seven (7) net new vehicle trips during the weekday A.M. peak hour, 11 net new vehicle trips during the weekday P.M. peak hour, and nine (9) net new vehicle trips during the Saturday peak hour of generator. Detailed trip generation calculations are included as Attachment B.

ON-SITE VEHICLE QUEUING ANALYSIS

An on-site vehicle queuing analysis will be prepared for the guest drop-off/pick-up area to determine if vehicle queues are expected to extend onto Collins Avenue. Vehicle queueing data will be collected in one (1) minute intervals from 12:00 P.M. to 7:00 P.M. on a typical weekday (Thursday) and weekend (Saturday) within the Collins Avenue drop-off/pick-up area. A vehicle queueing ratio will be developed utilizing the vehicle queueing data and will be applied to the proposed redevelopment to determine the expected vehicle queue associated with the expansion.

TRANSPORTATION DEMAND MANAGEMENT STRATEGIES

Transportation Demand Management (TDM) strategies will be developed to reduce the impact of project traffic on the surrounding roadway network and promote trip reduction. Typical measures promote bicycling and walking, encourage car/vanpooling and offer alternatives to the typical workday hours.

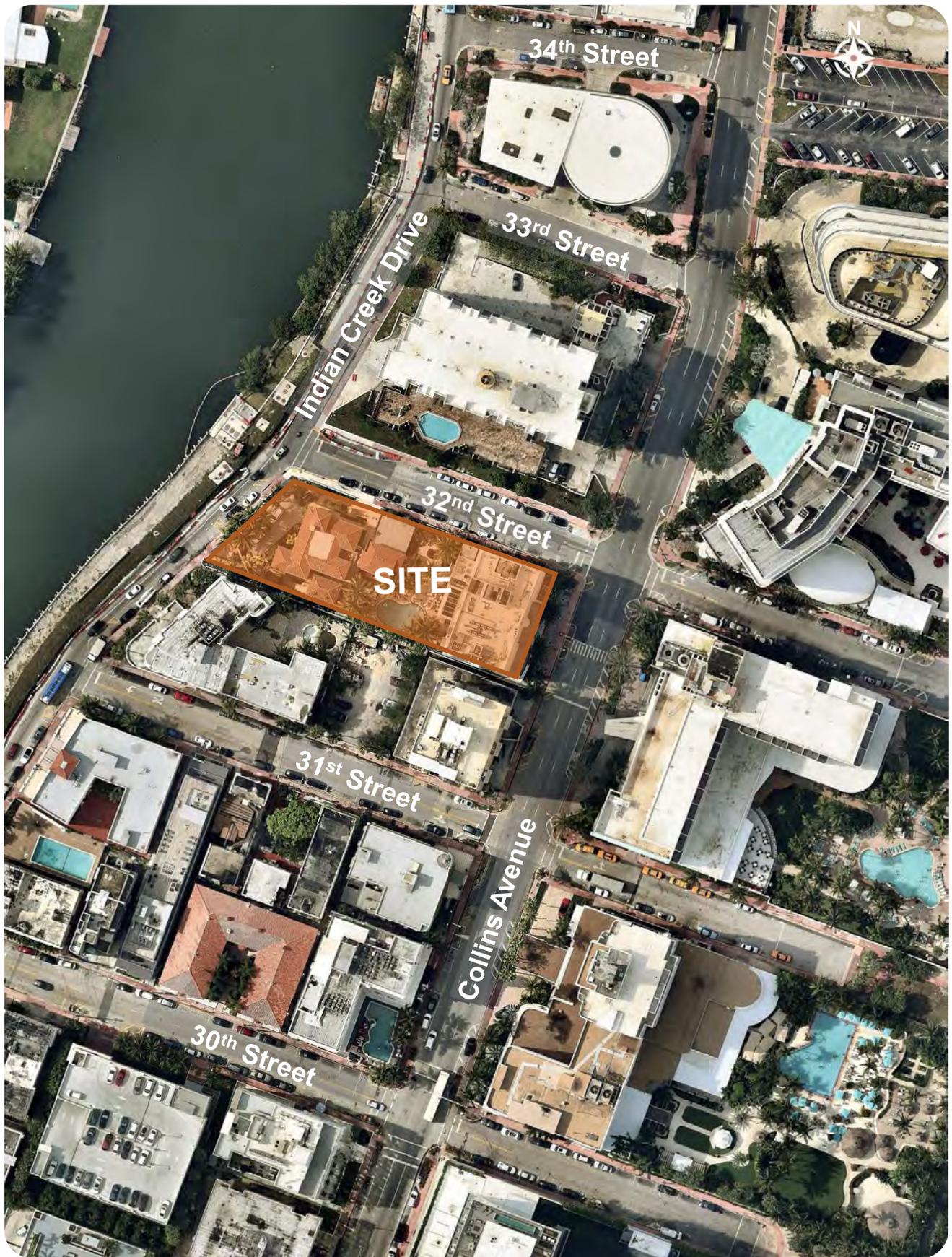
DOCUMENTATION

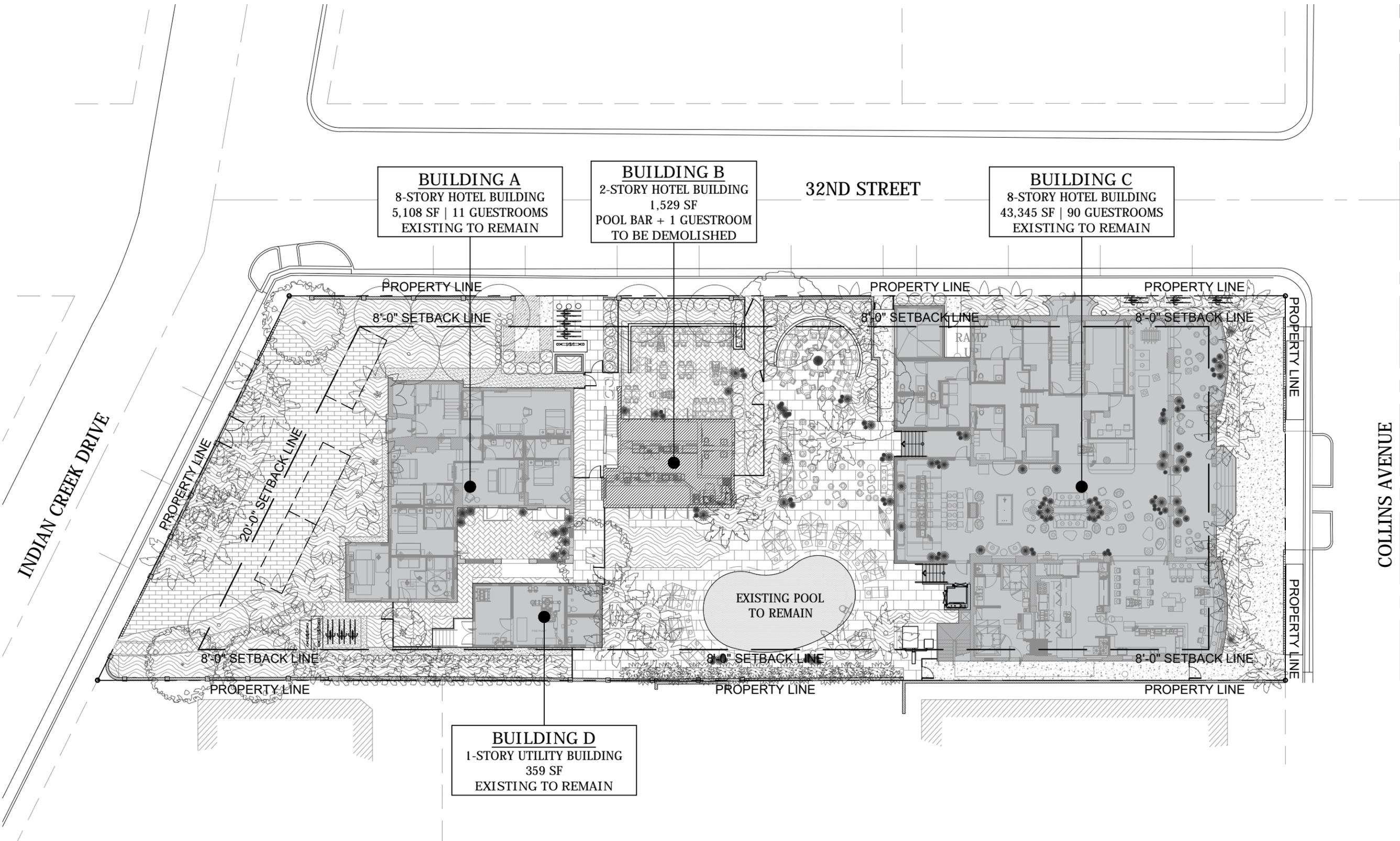
The results of the traffic assessment will be summarized in a technical letter. The technical letter will include supporting documents including trip generation calculations and text and graphics necessary to summarize the assumptions and analysis. An electronic copy of the technical letter will be provided as part of the submittal package.

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Attachment A

Project Location Map and Site Plan

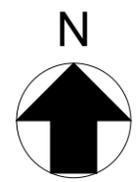




1

EXISTING SITE DIAGRAM

SCALE: 1" = 25'



GENERATOR

BUILDING E: SCHEMATIC STUDY
EXISTING SITE DIAGRAM

STAMP

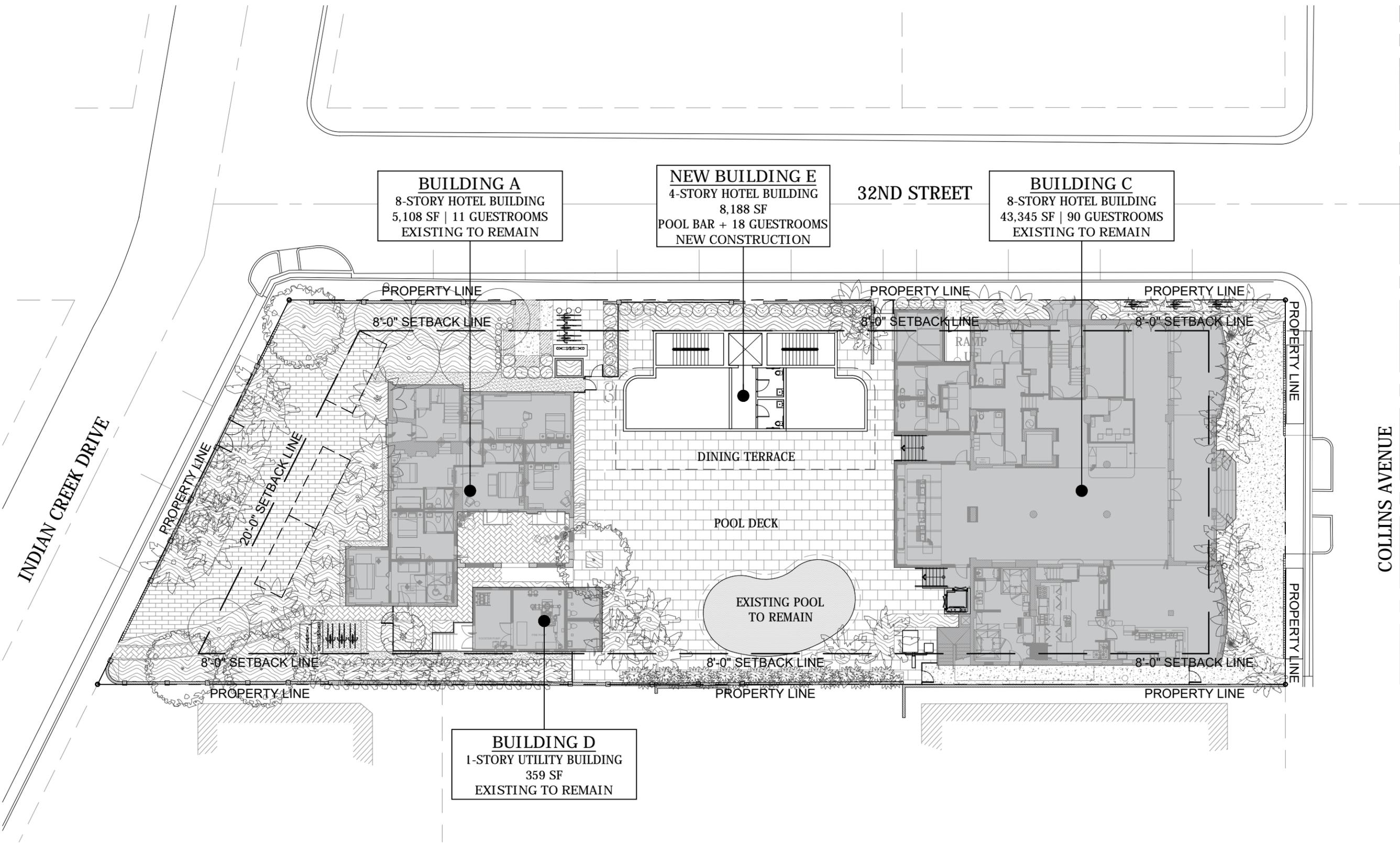
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CHECKED BY: TT
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DATE: 11/1/19
REVISION:
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STA ARCHITECTURAL GROUP
3526 NORTH MIAMI AVE. MIAMI, FL 33127
305.571.1811 fax 305.571.1821

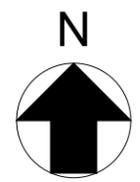
3120 Collins Ave.
Miami Beach, Florida 33140

TODD TRAGASH, A.I.A.
FLORIDA REGISTRATION NUMBER 11053



1

PROPOSED SITE DIAGRAM
SCALE: 1" = 25'



GENERATOR

3120 Collins Ave.
Miami Beach, Florida 33140

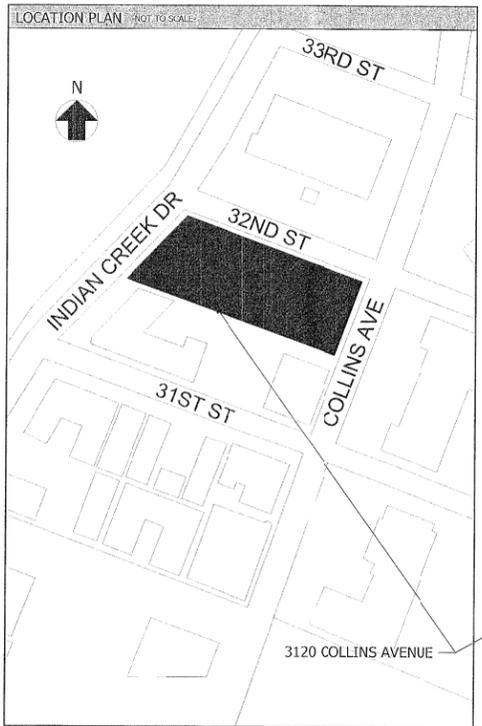
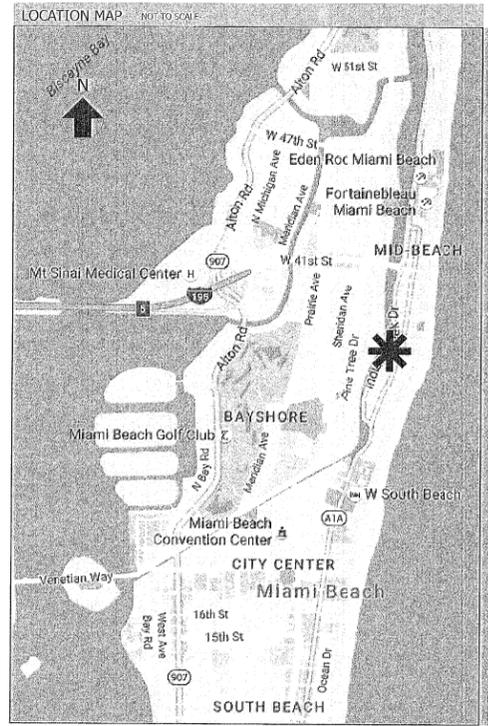
**BUILDING E: SCHEMATIC STUDY
PROPOSED SITE DIAGRAM**

| | |
|------------------|-------|
| DRAWN BY: DB | STAMP |
| CHECKED BY: TT | |
| SCALE: AS NOTED | |
| JOB NO: 3426.01 | |
| DATE: 11/1/19 | |
| REVISION: | |
| PLOTTED: 2:34 PM | |



TODD TRAGASH, A.I.A.
FLORIDA REGISTRATION NUMBER 11053

MIAMI BEACH, FL. 33140



SITE LEGEND

- PROPERTY LINE
- - - SETBACK LINE
- RAMP
- ▭ CONCRETE FLOOR
- ▨ GRAVEL/ CRUSHED SHELL
- ▩ OLD CHICAGO BRICK
- ▧ CONCRETE PAVEMENT
- PLANTING
- ⊘ CHILD BARRIER GATES
- ADA ACCESSIBILITY ROUTE
- PROPERTY LINE

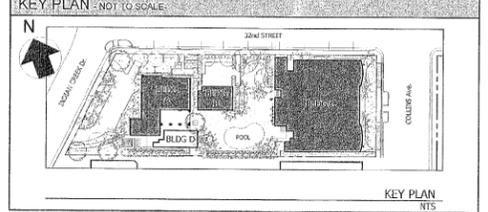
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- A - REMOVE AND REPLACE SIDEWALK ALONG THE ENTIRE PROPERTY.
- B - RECONSTRUCT SWALES/5000 ALONG THE ENTIRE PROPERTY.
- C - MILL AND RESURFACE 2 INCHES AVERAGE USING TYPE S-III ASPHALT MIX DESIGN ON THE DRIVING LANE (20 FOOT WIDTH) ALONG THE ENTIRE PROPERTY.
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CITY OF MIAMI BEACH PLANNING & ZONING NOTES

ALL FDCS SHALL BE POLISHED CHROME.



FLOOD MANAGEMENT

| | |
|---|---------------|
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| BASE FLOOR ELEVATION (BFE) | +1.92' (NGVD) |
| TOP OF FINISHED GROUND FLOOR (BFG) | +1.00' (NGVD) |
| DESIGN FLOOR ELEVATION (DFE) | +1.00' (NGVD) |
| LOWEST FINISHED FLOOR ELEVATION OF HABITABLE SPACE | +1.00' (NGVD) |
| LOWEST GRADE ELEVATION ADJACENT TO BUILDING D | +1.75' (NGVD) |
| HIGHEST GRADE ELEVATION ADJACENT TO BUILDING D | +1.92' (NGVD) |
| LOWEST FINISHED FLOOR ELEVATION OF EQUIPMENT SERVICING BUILDING D | +1.00' (NGVD) |
| CROWN OF ROAD ELEVATION (INDIAN CREEK DR) | +1.61' (NGVD) |

REFER TO SHEETS FL 1 & FL 2 FOR FLOOD BARRIER PLANS & DETAILS.

FLOOD DATA

| | |
|------------------------------|-------------|
| FLOOD ZONE | AE |
| BASE FLOOD ELEVATION (BFE) | +1.92' NGVD |
| DESIGN FLOOR ELEVATION (DFE) | +1.00' NGVD |
| FIRM NUMBER | 15560Q0338 |

ALL MATERIALS IN DRY FLOOD PROOF AREAS BELOW 4.0' NGVD SHALL BE WATER RESISTANT AND SHALL COMPLY WITH F.E.M.A. BUILT IN NO. 2 - 2008 REFER TO SHEETS FL 1 & FL 2 FOR REFERENCE.

NOTES:

- THE BUILDING SHALL BE DESIGNED TO BE DRY FLOOD PROOFED IN ACCORDANCE WITH ASCE 24, CATEGORY 2 REFER TO FLOOD PLANS FOR LOCATION.
- ALL CONSTRUCTION AND FINISHES OUTSIDE THE DESIGNED DRY FLOODPROOFED AREA SHALL BE FLOOD RESISTANT MATERIALS IN COMPLIANCE WITH TABLES 5-1 AND 1-1 OF ASCE 24.
- IN ACCORDANCE WITH TABLE 1-1 OF ASCE 24 THE CLASSIFICATION OF STRUCTURE FOR FLOOD RESISTANCE IS "CATEGORY 2".

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH WORK. IF ANY DISCREPANCIES, FIGURING OR OMISSIONS SHOULD BE ENCOUNTERED ON PLANS, CONTRACTOR SHALL NOTIFY ARCHITECT BEFORE ANY PART OF THE WORK IS STARTED, SO THAT PROPER CORRECTIONS BE MADE. IF ARCHITECT IS NOT NOTIFIED PRIOR TO COMMENCING OF THE WORK, THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR ANY DISCREPANCIES, ERRORS OR OMISSIONS.

- REV. NO. / DATE
- 1. 01/24/2018
- 2. 02/15/2018
- 3. 03/15/2018
- 4. 04/15/2018
- 5. 05/15/2018

STAMP

TODD TRAGANIS, A.E.A.
FLORIDA REGISTRATION NUMBER 11863

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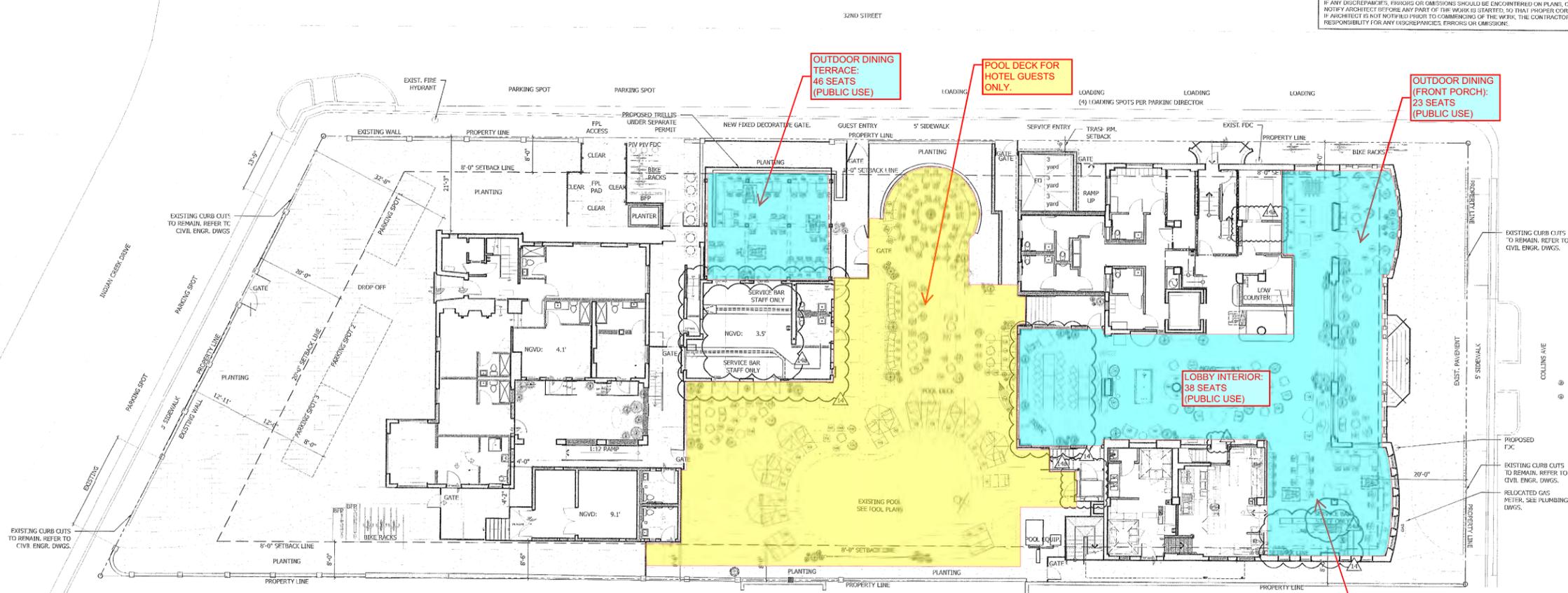
DATE: 04/25/2018

PROJECT NO: 1805585

CONSTRUCTION DOCUMENTS 100%

SITE PLAN

A.003



A SITE PLAN
SCALE: 3/32" = 1'-0"

REVISION #14
RV1805585

PROJECT: 3928 ATLANTIC PROMENADE PHASE 2, 1400 SQ. FT. BUILDING
 4/23/2018 8:18:52 PM

Attachment B

Trip Generation Calculations

AM PEAK HOUR TRIP GENERATION COMPARISON

EXISTING WEEKDAY AM PEAK HOUR TRIP GENERATION

| | ITE TRIP GENERATION CHARACTERISTICS | | | | | DIRECTIONAL DISTRIBUTION | | BASELINE TRIPS | | | MULTIMODAL REDUCTION | | GROSS TRIPS | | | INTERNAL CAPTURE | | EXTERNAL VEHICLE TRIPS | | | PASS-BY CAPTURE | | NET NEW EXTERNAL TRIPS | | | |
|---------|-------------------------------------|--------------------|------------------|-----|-----|--------------------------|-----|----------------|-----|-------|----------------------|----------|-------------|-----|-------|------------------|----------|------------------------|-----|-------|-----------------|----------|------------------------|-----|-------|----|
| | | | | | | Percent | | In | Out | Total | Percent | MR Trips | In | Out | Total | Percent | IC Trips | In | Out | Total | Percent | PB Trips | In | Out | Total | |
| | In | Out | | | | | | | | | | | | | | | | | | | | | | | | |
| GROUP 1 | 1 | Hotel | 10 | 310 | 102 | room | 59% | 41% | 27 | 19 | 46 | 20.0% | 10 | 21 | 15 | 36 | 0.0% | 0 | 21 | 15 | 36 | 0.0% | 0 | 21 | 15 | 36 |
| | 2 | Quality Restaurant | 10 | 931 | 100 | seat | 50% | 50% | 1 | 1 | 2 | 20.0% | 0 | 1 | 1 | 2 | 0.0% | 0 | 1 | 1 | 2 | 0.0% | 0 | 1 | 1 | 2 |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ITE Land Use Code | Rate or Equation | | | Total: | | | 28 | 20 | 48 | 20.0% | 10 | 22 | 16 | 38 | 0.0% | 0 | 22 | 16 | 38 | 0.0% | 0 | 22 | 16 | 38 |
| | | 310 | Y=0.5*(X)+-5.34 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 931 | Y=0.02(X) | | | | | | | | | | | | | | | | | | | | | | | |

PROPOSED WEEKDAY AM PEAK HOUR TRIP GENERATION

| | ITE TRIP GENERATION CHARACTERISTICS | | | | | DIRECTIONAL DISTRIBUTION | | BASELINE TRIPS | | | MULTIMODAL REDUCTION | | GROSS TRIPS | | | INTERNAL CAPTURE | | EXTERNAL VEHICLE TRIPS | | | PASS-BY CAPTURE | | NET NEW EXTERNAL TRIPS | | | |
|---------|-------------------------------------|--------------------|------------------|-----|-----|--------------------------|-----|----------------|-----|-------|----------------------|----------|-------------|-----|-------|------------------|----------|------------------------|-----|-------|-----------------|----------|------------------------|-----|-------|----|
| | | | | | | Percent | | In | Out | Total | Percent | MR Trips | In | Out | Total | Percent | IC Trips | In | Out | Total | Percent | PB Trips | In | Out | Total | |
| | In | Out | | | | | | | | | | | | | | | | | | | | | | | | |
| GROUP 2 | 1 | Hotel | 10 | 310 | 119 | room | 59% | 41% | 32 | 22 | 54 | 20.0% | 11 | 26 | 17 | 43 | 0.0% | 0 | 26 | 17 | 43 | 0.0% | 0 | 26 | 17 | 43 |
| | 2 | Quality Restaurant | 10 | 931 | 100 | seat | 50% | 50% | 1 | 1 | 2 | 20.0% | 0 | 1 | 1 | 2 | 0.0% | 0 | 1 | 1 | 2 | 0.0% | 0 | 1 | 1 | 2 |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ITE Land Use Code | Rate or Equation | | | Total: | | | 33 | 23 | 56 | 20.0% | 11 | 27 | 18 | 45 | 0.0% | 0 | 27 | 18 | 45 | 0.0% | 0 | 27 | 18 | 45 |
| | | 310 | Y=0.5*(X)+-5.34 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 931 | Y=0.02(X) | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|----------------------|----------|----------|----------|
| | IN | OUT | TOTAL |
| NET NEW TRIPS | 5 | 2 | 7 |

PM PEAK HOUR TRIP GENERATION COMPARISON

EXISTING WEEKDAY PM PEAK HOUR TRIP GENERATION

| | ITE TRIP GENERATION CHARACTERISTICS | | | | | DIRECTIONAL DISTRIBUTION | | BASELINE TRIPS | | | MULTIMODAL REDUCTION | | GROSS TRIPS | | | INTERNAL CAPTURE | | EXTERNAL VEHICLE TRIPS | | | PASS-BY CAPTURE | | NET NEW EXTERNAL TRIPS | | | | |
|---------|-------------------------------------|--------------------|-------------------|-------|-----------|--------------------------|-----|----------------|-----|-------|----------------------|----------|-------------|-----|-------|------------------|----------|------------------------|-----|-------|-----------------|----------|------------------------|-----|-------|----|--|
| | Land Use | ITE Edition | ITE Code | Scale | ITE Units | Percent | | In | Out | Total | Percent | MR Trips | In | Out | Total | Percent | IC Trips | In | Out | Total | Percent | PB Trips | In | Out | Total | | |
| | | | | | | In | Out | | | | | | | | | | | | | | | | | | | | |
| GROUP 1 | 1 | Hotel | 10 | 310 | 102 | room | 51% | 49% | 26 | 24 | 50 | 20.0% | 10 | 21 | 19 | 40 | 2.5% | 1 | 21 | 18 | 39 | 0.0% | 0 | 21 | 18 | 39 | |
| | 2 | Quality Restaurant | 10 | 931 | 100 | seat | 67% | 33% | 19 | 9 | 28 | 20.0% | 6 | 15 | 7 | 22 | 4.5% | 1 | 14 | 7 | 21 | 0.0% | 0 | 14 | 7 | 21 | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ITE Land Use Code | Rate or Equation | | | Total: | | | 45 | 33 | 78 | 20.0% | 16 | 36 | 26 | 62 | 3.2% | 2 | 35 | 25 | 60 | 0.0% | 0 | 35 | 25 | 60 | |
| | | 310 | Y=0.75*(X)+-26.02 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 931 | Y=0.28(X) | | | | | | | | | | | | | | | | | | | | | | | | |

PROPOSED WEEKDAY PM PEAK HOUR TRIP GENERATION

| | ITE TRIP GENERATION CHARACTERISTICS | | | | | DIRECTIONAL DISTRIBUTION | | BASELINE TRIPS | | | MULTIMODAL REDUCTION | | GROSS TRIPS | | | INTERNAL CAPTURE | | EXTERNAL VEHICLE TRIPS | | | PASS-BY CAPTURE | | NET NEW EXTERNAL TRIPS | | | | |
|---------|-------------------------------------|--------------------|-------------------|-------|-----------|--------------------------|-----|----------------|-----|-------|----------------------|----------|-------------|-----|-------|------------------|----------|------------------------|-----|-------|-----------------|----------|------------------------|-----|-------|----|--|
| | Land Use | ITE Edition | ITE Code | Scale | ITE Units | Percent | | In | Out | Total | Percent | MR Trips | In | Out | Total | Percent | IC Trips | In | Out | Total | Percent | PB Trips | In | Out | Total | | |
| | | | | | | In | Out | | | | | | | | | | | | | | | | | | | | |
| GROUP 2 | 1 | Hotel | 10 | 310 | 119 | room | 51% | 49% | 32 | 31 | 63 | 20.0% | 12 | 26 | 25 | 51 | 2.0% | 1 | 26 | 24 | 50 | 0.0% | 0 | 26 | 24 | 50 | |
| | 2 | Quality Restaurant | 10 | 931 | 100 | seat | 67% | 33% | 19 | 9 | 28 | 20.0% | 6 | 15 | 7 | 22 | 4.5% | 1 | 14 | 7 | 21 | 0.0% | 0 | 14 | 7 | 21 | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ITE Land Use Code | Rate or Equation | | | Total: | | | 51 | 40 | 91 | 20.0% | 18 | 41 | 32 | 73 | 2.7% | 2 | 40 | 31 | 71 | 0.0% | 0 | 40 | 31 | 71 | |
| | | 310 | Y=0.75*(X)+-26.02 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 931 | Y=0.28(X) | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|----------------------|-----------|------------|--------------|
| | IN | OUT | TOTAL |
| NET NEW TRIPS | 5 | 6 | 11 |

Internal Capture Reduction Calculations

Methodology for A.M. Peak Hour and P.M. Peak Hour
on the *Trip Generation Handbook*, 3rd Edition, published by the Institute of Transportation Engineers

Methodology for Daily
based on the average of the Unconstrained Rates for the A.M. Peak Hour and P.M. Peak Hour

SUMMARY (EXISTING)

| GROSS TRIP GENERATION | | | | | |
|-----------------------|--------------------------|----------------|------|----------------|------|
| INPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 1 | 1 | 15 | 7 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 21 | 15 | 21 | 19 |
| | | 22 | 16 | 36 | 26 |
| INTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 1 | 0 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 0 | 1 |
| | | 0 | 0 | 1 | 1 |
| OUTPUT | <i>Total % Reduction</i> | 0.0% | | 3.2% | |
| | Office | | | | |
| | Retail | | | | |
| | Restaurant | 0.0% | | 4.5% | |
| | Cinema/Entertainment | | | | |
| | Residential | | | | |
| | Hotel | 0.0% | | 2.5% | |
| EXTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 1 | 1 | 14 | 7 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 21 | 15 | 21 | 18 |
| | | 22 | 16 | 35 | 25 |

Internal Capture Reduction Calculations

Methodology for A.M. Peak Hour and P.M. Peak Hour
on the *Trip Generation Handbook*, 3rd Edition, published by the Institute of Transportation Engineers

Methodology for Daily
based on the average of the Unconstrained Rates for the A.M. Peak Hour and P.M. Peak Hour

SUMMARY (PROPOSED)

| GROSS TRIP GENERATION | | | | | |
|-----------------------|--------------------------|----------------|------|----------------|------|
| INPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 1 | 1 | 15 | 7 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 26 | 17 | 26 | 25 |
| | | 27 | 18 | 41 | 32 |
| INTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 1 | 0 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 0 | 1 |
| | | 0 | 0 | 1 | 1 |
| OUTPUT | <i>Total % Reduction</i> | 0.0% | | 2.7% | |
| | Office | | | | |
| | Retail | | | | |
| | Restaurant | 0.0% | | 4.5% | |
| | Cinema/Entertainment | | | | |
| | Residential | | | | |
| | Hotel | 0.0% | | 2.0% | |
| EXTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 1 | 1 | 14 | 7 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 26 | 17 | 26 | 24 |
| | | 27 | 18 | 40 | 31 |

SATURDAY PEAK HOUR OF GENERATOR TRIP GENERATION COMPARISON

EXISTING SATURDAY PEAK HOUR OF GENERATOR TRIP GENERATION

| | ITE TRIP GENERATION CHARACTERISTICS | | | | | DIRECTIONAL DISTRIBUTION | | BASELINE TRIPS | | | MULTIMODAL REDUCTION | | GROSS TRIPS | | | INTERNAL CAPTURE | | EXTERNAL VEHICLE TRIPS | | | PASS-BY CAPTURE | | NET NEW EXTERNAL TRIPS | | | | |
|---------|-------------------------------------|--------------------|------------------|-------|-----------|--------------------------|-----|----------------|-----|-------|----------------------|----------|-------------|-----|-------|------------------|----------|------------------------|-----|-------|-----------------|----------|------------------------|-----|-------|----|--|
| | Land Use | ITE Edition | ITE Code | Scale | ITE Units | Percent | | In | Out | Total | Percent | MR Trips | In | Out | Total | Percent | IC Trips | In | Out | Total | Percent | PB Trips | In | Out | Total | | |
| | | | | | | In | Out | | | | | | | | | | | | | | | | | | | | |
| GROUP 1 | 1 | Hotel | 10 | 310 | 102 | room | 56% | 44% | 42 | 33 | 75 | 20.0% | 15 | 34 | 26 | 60 | 3.3% | 2 | 33 | 25 | 58 | 0.0% | 0 | 33 | 25 | 58 | |
| | 2 | Quality Restaurant | 10 | 931 | 100 | seat | 59% | 41% | 19 | 14 | 33 | 20.0% | 7 | 15 | 11 | 26 | 7.7% | 2 | 14 | 10 | 24 | 0.0% | 0 | 14 | 10 | 24 | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ITE Land Use Code | Rate or Equation | | | Total: | | 61 | 47 | 108 | 20.0% | 22 | 49 | 37 | 86 | 4.7% | 4 | 47 | 35 | 82 | 0.0% | 0 | 47 | 35 | 82 | | |
| | | 310 | Y=0.69*(X)+4.32 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 931 | Y=0.33(X) | | | | | | | | | | | | | | | | | | | | | | | | |

PROPOSED SATURDAY PEAK HOUR OF GENERATOR TRIP GENERATION

| | ITE TRIP GENERATION CHARACTERISTICS | | | | | DIRECTIONAL DISTRIBUTION | | BASELINE TRIPS | | | MULTIMODAL REDUCTION | | GROSS TRIPS | | | INTERNAL CAPTURE | | EXTERNAL VEHICLE TRIPS | | | PASS-BY CAPTURE | | NET NEW EXTERNAL TRIPS | | | | |
|---------|-------------------------------------|--------------------|------------------|-------|-----------|--------------------------|-----|----------------|-----|-------|----------------------|----------|-------------|-----|-------|------------------|----------|------------------------|-----|-------|-----------------|----------|------------------------|-----|-------|----|--|
| | Land Use | ITE Edition | ITE Code | Scale | ITE Units | Percent | | In | Out | Total | Percent | MR Trips | In | Out | Total | Percent | IC Trips | In | Out | Total | Percent | PB Trips | In | Out | Total | | |
| | | | | | | In | Out | | | | | | | | | | | | | | | | | | | | |
| GROUP 2 | 1 | Hotel | 10 | 310 | 119 | room | 56% | 44% | 48 | 38 | 86 | 20.0% | 17 | 39 | 30 | 69 | 2.9% | 2 | 38 | 29 | 67 | 0.0% | 0 | 38 | 29 | 67 | |
| | 2 | Quality Restaurant | 10 | 931 | 100 | seat | 59% | 41% | 19 | 14 | 33 | 20.0% | 7 | 15 | 11 | 26 | 7.7% | 2 | 14 | 10 | 24 | 0.0% | 0 | 14 | 10 | 24 | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ITE Land Use Code | Rate or Equation | | | Total: | | 67 | 52 | 119 | 20.0% | 24 | 54 | 41 | 95 | 4.2% | 4 | 52 | 39 | 91 | 0.0% | 0 | 52 | 39 | 91 | | |
| | | 310 | Y=0.69*(X)+4.32 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 931 | Y=0.33(X) | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|----------------------|-----------|------------|--------------|
| | IN | OUT | TOTAL |
| NET NEW TRIPS | 5 | 4 | 9 |

Internal Capture Reduction Calculations

Methodology for A.M. Peak Hour and P.M. Peak Hour
on the *Trip Generation Handbook*, 3rd Edition, published by the Institute of Transportation Engineers

Methodology for Daily
based on the average of the Unconstrained Rates for the A.M. Peak Hour and P.M. Peak Hour

SUMMARY (EXISTING)

| GROSS TRIP GENERATION | | | | | |
|-----------------------|--------------------------|----------------|------|----------------|------|
| INPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 15 | 11 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 34 | 26 |
| | | 0 | 0 | 49 | 37 |
| INTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 1 | 1 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 1 | 1 |
| | | 0 | 0 | 2 | 2 |
| OUTPUT | Total % Reduction | 0.0% | | 4.7% | |
| | Office | | | | |
| | Retail | | | | |
| | Restaurant | | | 7.7% | |
| | Cinema/Entertainment | | | | |
| | Residential | | | | |
| | Hotel | | | 3.3% | |
| EXTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 14 | 10 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 33 | 25 |
| | | 0 | 0 | 47 | 35 |

Internal Capture Reduction Calculations

Methodology for A.M. Peak Hour and P.M. Peak Hour
on the *Trip Generation Handbook*, 3rd Edition, published by the Institute of Transportation Engineers

Methodology for Daily
based on the average of the Unconstrained Rates for the A.M. Peak Hour and P.M. Peak Hour

SUMMARY (PROPOSED)

| GROSS TRIP GENERATION | | | | | |
|-----------------------|--------------------------|----------------|------|----------------|------|
| INPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 15 | 11 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 39 | 30 |
| | | 0 | 0 | 54 | 41 |
| INTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 1 | 1 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 1 | 1 |
| | | 0 | 0 | 2 | 2 |
| OUTPUT | <i>Total % Reduction</i> | 0.0% | | 4.2% | |
| | Office | | | | |
| | Retail | | | | |
| | Restaurant | | | 7.7% | |
| | Cinema/Entertainment | | | | |
| | Residential | | | | |
| Hotel | | | 2.9% | | |
| EXTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 14 | 10 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 38 | 29 |
| | | 0 | 0 | 52 | 39 |



B08301

MEANS OF TRANSPORTATION TO WORK

Universe: Workers 16 years and over

2013-2017 American Community Survey 5-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Technical Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities, and towns and estimates of housing units for states and counties.

$$(80+34+189) / 973 = 31.1\%$$

| | Census Tract 41.03, Miami-Dade County, Florida | |
|---|--|-----------------|
| | Estimate | Margin of Error |
| Total: | 973 | +/-216 |
| Car, truck, or van: | 588 | +/-157 |
| Drove alone | 522 | +/-137 |
| Carpooled: | 66 | +/-90 |
| In 2-person carpool | 66 | +/-90 |
| In 3-person carpool | 0 | +/-13 |
| In 4-person carpool | 0 | +/-13 |
| In 5- or 6-person carpool | 0 | +/-13 |
| In 7-or-more-person carpool | 0 | +/-13 |
| Public transportation (excluding taxicab): | 189 | +/-97 |
| Bus or trolley bus | 156 | +/-91 |
| Streetcar or trolley car (carro publico in Puerto Rico) | 0 | +/-13 |
| Subway or elevated | 0 | +/-13 |
| Railroad | 33 | +/-45 |
| Ferryboat | 0 | +/-13 |
| Taxicab | 26 | +/-42 |
| Motorcycle | 0 | +/-13 |
| Bicycle | 34 | +/-29 |
| Walked | 80 | +/-50 |
| Other means | 11 | +/-16 |
| Worked at home | 45 | +/-37 |

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

Workers include members of the Armed Forces and civilians who were at work last week.

While the 2013-2017 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic

entities.

Estimates of urban and rural populations, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates

Explanation of Symbols:

1. An '***' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '****' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.

Attachment C-1

Trip Generation

AM PEAK HOUR TRIP GENERATION COMPARISON

EXISTING WEEKDAY AM PEAK HOUR TRIP GENERATION

| | ITE TRIP GENERATION CHARACTERISTICS | | | | | DIRECTIONAL DISTRIBUTION | | BASELINE TRIPS | | | MULTIMODAL REDUCTION | | GROSS TRIPS | | | INTERNAL CAPTURE | | EXTERNAL VEHICLE TRIPS | | | PASS-BY CAPTURE | | NET NEW EXTERNAL TRIPS | | | | |
|---------|-------------------------------------|--------------------|------------------|-------|-----------|--------------------------|-----|----------------|-----|-------|----------------------|----------|-------------|-----|-------|------------------|----------|------------------------|-----|-------|-----------------|----------|------------------------|-----|-------|----|--|
| | Land Use | ITE Edition | ITE Code | Scale | ITE Units | Percent | | In | Out | Total | Percent | MR Trips | In | Out | Total | Percent | IC Trips | In | Out | Total | Percent | PB Trips | In | Out | Total | | |
| | | | | | | In | Out | | | | | | | | | | | | | | | | | | | | |
| GROUP 1 | 1 | Hotel | 10 | 310 | 102 | room | 59% | 41% | 27 | 19 | 46 | 20.0% | 10 | 21 | 15 | 36 | 0.0% | 0 | 21 | 15 | 36 | 0.0% | 0 | 21 | 15 | 36 | |
| | 2 | Quality Restaurant | 10 | 931 | 100 | seat | 50% | 50% | 1 | 1 | 2 | 20.0% | 0 | 1 | 1 | 2 | 0.0% | 0 | 1 | 1 | 2 | 0.0% | 0 | 1 | 1 | 2 | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ITE Land Use Code | Rate or Equation | | | Total: | | | 28 | 20 | 48 | 20.0% | 10 | 22 | 16 | 38 | 0.0% | 0 | 22 | 16 | 38 | 0.0% | 0 | 22 | 16 | 38 | |
| | | 310 | Y=0.5*(X)+-5.34 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 931 | Y=0.02(X) | | | | | | | | | | | | | | | | | | | | | | | | |

PROPOSED WEEKDAY AM PEAK HOUR TRIP GENERATION

| | ITE TRIP GENERATION CHARACTERISTICS | | | | | DIRECTIONAL DISTRIBUTION | | BASELINE TRIPS | | | MULTIMODAL REDUCTION | | GROSS TRIPS | | | INTERNAL CAPTURE | | EXTERNAL VEHICLE TRIPS | | | PASS-BY CAPTURE | | NET NEW EXTERNAL TRIPS | | | | |
|---------|-------------------------------------|--------------------|------------------|-------|-----------|--------------------------|-----|----------------|-----|-------|----------------------|----------|-------------|-----|-------|------------------|----------|------------------------|-----|-------|-----------------|----------|------------------------|-----|-------|----|--|
| | Land Use | ITE Edition | ITE Code | Scale | ITE Units | Percent | | In | Out | Total | Percent | MR Trips | In | Out | Total | Percent | IC Trips | In | Out | Total | Percent | PB Trips | In | Out | Total | | |
| | | | | | | In | Out | | | | | | | | | | | | | | | | | | | | |
| GROUP 2 | 1 | Hotel | 10 | 310 | 120 | room | 59% | 41% | 32 | 23 | 55 | 20.0% | 11 | 26 | 18 | 44 | 0.0% | 0 | 26 | 18 | 44 | 0.0% | 0 | 26 | 18 | 44 | |
| | 2 | Quality Restaurant | 10 | 931 | 100 | seat | 50% | 50% | 1 | 1 | 2 | 20.0% | 0 | 1 | 1 | 2 | 0.0% | 0 | 1 | 1 | 2 | 0.0% | 0 | 1 | 1 | 2 | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ITE Land Use Code | Rate or Equation | | | Total: | | | 33 | 24 | 57 | 20.0% | 11 | 27 | 19 | 46 | 0.0% | 0 | 27 | 19 | 46 | 0.0% | 0 | 27 | 19 | 46 | |
| | | 310 | Y=0.5*(X)+-5.34 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 931 | Y=0.02(X) | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|----------------------|-----------|------------|--------------|
| | IN | OUT | TOTAL |
| NET NEW TRIPS | 5 | 3 | 8 |

PM PEAK HOUR TRIP GENERATION COMPARISON

EXISTING WEEKDAY PM PEAK HOUR TRIP GENERATION

| | ITE TRIP GENERATION CHARACTERISTICS | | | | | DIRECTIONAL DISTRIBUTION | | BASELINE TRIPS | | | MULTIMODAL REDUCTION | | GROSS TRIPS | | | INTERNAL CAPTURE | | EXTERNAL VEHICLE TRIPS | | | PASS-BY CAPTURE | | NET NEW EXTERNAL TRIPS | | | |
|---------|-------------------------------------|--------------------|-------------------|-------|-----------|--------------------------|-----|----------------|-----|-------|----------------------|----------|-------------|-----|-------|------------------|----------|------------------------|-----|-------|-----------------|----------|------------------------|-----|-------|----|
| | Land Use | ITE Edition | ITE Code | Scale | ITE Units | Percent | | In | Out | Total | Percent | MR Trips | In | Out | Total | Percent | IC Trips | In | Out | Total | Percent | PB Trips | In | Out | Total | |
| | | | | | | In | Out | | | | | | | | | | | | | | | | | | | |
| GROUP 1 | 1 | Hotel | 10 | 310 | 102 | room | 51% | 49% | 26 | 24 | 50 | 20.0% | 10 | 21 | 19 | 40 | 2.5% | 1 | 21 | 18 | 39 | 0.0% | 0 | 21 | 18 | 39 |
| | 2 | Quality Restaurant | 10 | 931 | 100 | seat | 67% | 33% | 19 | 9 | 28 | 20.0% | 6 | 15 | 7 | 22 | 4.5% | 1 | 14 | 7 | 21 | 0.0% | 0 | 14 | 7 | 21 |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ITE Land Use Code | Rate or Equation | | | Total: | | | 45 | 33 | 78 | 20.0% | 16 | 36 | 26 | 62 | 3.2% | 2 | 35 | 25 | 60 | 0.0% | 0 | 35 | 25 | 60 |
| | | 310 | Y=0.75*(X)+-26.02 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 931 | Y=0.28(X) | | | | | | | | | | | | | | | | | | | | | | | |

PROPOSED WEEKDAY PM PEAK HOUR TRIP GENERATION

| | ITE TRIP GENERATION CHARACTERISTICS | | | | | DIRECTIONAL DISTRIBUTION | | BASELINE TRIPS | | | MULTIMODAL REDUCTION | | GROSS TRIPS | | | INTERNAL CAPTURE | | EXTERNAL VEHICLE TRIPS | | | PASS-BY CAPTURE | | NET NEW EXTERNAL TRIPS | | | |
|---------|-------------------------------------|--------------------|-------------------|-------|-----------|--------------------------|-----|----------------|-----|-------|----------------------|----------|-------------|-----|-------|------------------|----------|------------------------|-----|-------|-----------------|----------|------------------------|-----|-------|----|
| | Land Use | ITE Edition | ITE Code | Scale | ITE Units | Percent | | In | Out | Total | Percent | MR Trips | In | Out | Total | Percent | IC Trips | In | Out | Total | Percent | PB Trips | In | Out | Total | |
| | | | | | | In | Out | | | | | | | | | | | | | | | | | | | |
| GROUP 2 | 1 | Hotel | 10 | 310 | 120 | room | 51% | 49% | 33 | 31 | 64 | 20.0% | 13 | 26 | 25 | 51 | 3.9% | 2 | 25 | 24 | 49 | 0.0% | 0 | 25 | 24 | 49 |
| | 2 | Quality Restaurant | 10 | 931 | 100 | seat | 67% | 33% | 19 | 9 | 28 | 20.0% | 5 | 15 | 8 | 23 | 8.7% | 2 | 14 | 7 | 21 | 0.0% | 0 | 14 | 7 | 21 |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ITE Land Use Code | Rate or Equation | | | Total: | | | 52 | 40 | 92 | 20.0% | 18 | 41 | 33 | 74 | 5.4% | 4 | 39 | 31 | 70 | 0.0% | 0 | 39 | 31 | 70 |
| | | 310 | Y=0.75*(X)+-26.02 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 931 | Y=0.28(X) | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|----------------------|----------|----------|-----------|
| | IN | OUT | TOTAL |
| NET NEW TRIPS | 4 | 6 | 10 |

Internal Capture Reduction Calculations

Methodology for A.M. Peak Hour and P.M. Peak Hour
on the *Trip Generation Handbook*, 3rd Edition, published by the Institute of Transportation Engineers

Methodology for Daily
based on the average of the Unconstrained Rates for the A.M. Peak Hour and P.M. Peak Hour

SUMMARY (EXISTING)

| GROSS TRIP GENERATION | | | | | |
|-----------------------|--------------------------|----------------|------|----------------|------|
| INPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 1 | 1 | 15 | 7 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 21 | 15 | 21 | 19 |
| | | 22 | 16 | 36 | 26 |
| INTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 1 | 0 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 0 | 1 |
| | | 0 | 0 | 1 | 1 |
| OUTPUT | <i>Total % Reduction</i> | 0.0% | | 3.2% | |
| | Office | | | | |
| | Retail | | | | |
| | Restaurant | 0.0% | | 4.5% | |
| | Cinema/Entertainment | | | | |
| | Residential | | | | |
| Hotel | 0.0% | | 2.5% | | |
| EXTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 1 | 1 | 14 | 7 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 21 | 15 | 21 | 18 |
| | | 22 | 16 | 35 | 25 |

Internal Capture Reduction Calculations

Methodology for A.M. Peak Hour and P.M. Peak Hour
on the *Trip Generation Handbook*, 3rd Edition, published by the Institute of Transportation Engineers

Methodology for Daily
based on the average of the Unconstrained Rates for the A.M. Peak Hour and P.M. Peak Hour

SUMMARY (PROPOSED)

| GROSS TRIP GENERATION | | | | | |
|-----------------------|--------------------------|----------------|------|----------------|------|
| INPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 1 | 1 | 15 | 8 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| Hotel | 26 | 18 | 26 | 25 | |
| | | 27 | 19 | 41 | 33 |
| INTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 1 | 1 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| Hotel | 0 | 0 | 1 | 1 | |
| | | 0 | 0 | 2 | 2 |
| OUTPUT | <i>Total % Reduction</i> | 0.0% | | 5.4% | |
| | Office | | | | |
| | Retail | | | | |
| | Restaurant | 0.0% | | 8.7% | |
| | Cinema/Entertainment | | | | |
| | Residential | | | | |
| Hotel | 0.0% | | 3.9% | | |
| EXTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 1 | 1 | 14 | 7 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| Hotel | 26 | 18 | 25 | 24 | |
| | | 27 | 19 | 39 | 31 |

SATURDAY PEAK HOUR OF GENERATOR TRIP GENERATION COMPARISON

EXISTING SATURDAY PEAK HOUR OF GENERATOR TRIP GENERATION

| | ITE TRIP GENERATION CHARACTERISTICS | | | | | DIRECTIONAL DISTRIBUTION | | BASELINE TRIPS | | | MULTIMODAL REDUCTION | | GROSS TRIPS | | | INTERNAL CAPTURE | | EXTERNAL VEHICLE TRIPS | | | PASS-BY CAPTURE | | NET NEW EXTERNAL TRIPS | | | | | |
|---------|-------------------------------------|--------------------|-------------------|------------------|-----------|--------------------------|---------------|----------------|-----|-------|----------------------|----------|-------------|-----|-------|------------------|----------|------------------------|-----|-------|-----------------|----------|------------------------|-----|-------|----|--|--|
| | Land Use | ITE Edition | ITE Code | Scale | ITE Units | Percent | | In | Out | Total | Percent | MR Trips | In | Out | Total | Percent | IC Trips | In | Out | Total | Percent | PB Trips | In | Out | Total | | | |
| | | | | | | In | Out | | | | | | | | | | | | | | | | | | | | | |
| GROUP 1 | 1 | Hotel | 10 | 310 | 102 | room | 56% | 44% | 42 | 33 | 75 | 20.0% | 15 | 34 | 26 | 60 | 3.3% | 2 | 33 | 25 | 58 | 0.0% | 0 | 33 | 25 | 58 | | |
| | 2 | Quality Restaurant | 10 | 931 | 100 | seat | 59% | 41% | 19 | 14 | 33 | 20.0% | 7 | 15 | 11 | 26 | 7.7% | 2 | 14 | 10 | 24 | 0.0% | 0 | 14 | 10 | 24 | | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | ITE Land Use Code | Rate or Equation | | | Total: | | 61 | 47 | 108 | 20.0% | 22 | 49 | 37 | 86 | 4.7% | 4 | 47 | 35 | 82 | 0.0% | 0 | 47 | 35 | 82 | | |
| | | 310 | Y=0.69*(X)+4.32 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 931 | Y=0.33(X) | | | | | | | | | | | | | | | | | | | | | | | | | |

PROPOSED SATURDAY PEAK HOUR OF GENERATOR TRIP GENERATION

| | ITE TRIP GENERATION CHARACTERISTICS | | | | | DIRECTIONAL DISTRIBUTION | | BASELINE TRIPS | | | MULTIMODAL REDUCTION | | GROSS TRIPS | | | INTERNAL CAPTURE | | EXTERNAL VEHICLE TRIPS | | | PASS-BY CAPTURE | | NET NEW EXTERNAL TRIPS | | | | | |
|---------|-------------------------------------|--------------------|-------------------|------------------|-----------|--------------------------|---------------|----------------|-----|-------|----------------------|----------|-------------|-----|-------|------------------|----------|------------------------|-----|-------|-----------------|----------|------------------------|-----|-------|----|--|--|
| | Land Use | ITE Edition | ITE Code | Scale | ITE Units | Percent | | In | Out | Total | Percent | MR Trips | In | Out | Total | Percent | IC Trips | In | Out | Total | Percent | PB Trips | In | Out | Total | | | |
| | | | | | | In | Out | | | | | | | | | | | | | | | | | | | | | |
| GROUP 2 | 1 | Hotel | 10 | 310 | 120 | room | 56% | 44% | 49 | 38 | 87 | 20.0% | 17 | 40 | 30 | 70 | 2.9% | 2 | 39 | 29 | 68 | 0.0% | 0 | 39 | 29 | 68 | | |
| | 2 | Quality Restaurant | 10 | 931 | 100 | seat | 59% | 41% | 19 | 14 | 33 | 20.0% | 7 | 15 | 11 | 26 | 7.7% | 2 | 14 | 10 | 24 | 0.0% | 0 | 14 | 10 | 24 | | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | ITE Land Use Code | Rate or Equation | | | Total: | | 68 | 52 | 120 | 20.0% | 24 | 55 | 41 | 96 | 4.2% | 4 | 53 | 39 | 92 | 0.0% | 0 | 53 | 39 | 92 | | |
| | | 310 | Y=0.69*(X)+4.32 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 931 | Y=0.33(X) | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|----------------------|-----------|------------|--------------|
| | IN | OUT | TOTAL |
| NET NEW TRIPS | 6 | 4 | 10 |

Internal Capture Reduction Calculations

Methodology for A.M. Peak Hour and P.M. Peak Hour
on the *Trip Generation Handbook*, 3rd Edition, published by the Institute of Transportation Engi

Methodology for Daily
based on the average of the Unconstrained Rates for the A.M. Peak Hour and P.M. Peak Hour

SUMMARY (EXISTING)

| GROSS TRIP GENERATION | | | | | |
|-----------------------|--------------------------|----------------|------|----------------|------|
| INPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 15 | 11 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 34 | 26 |
| | | 0 | 0 | 49 | 37 |
| INTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 1 | 1 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 1 | 1 |
| | | 0 | 0 | 2 | 2 |
| OUTPUT | <i>Total % Reduction</i> | 0.0% | | 4.7% | |
| | Office | | | | |
| | Retail | | | | |
| | Restaurant | | | 7.7% | |
| | Cinema/Entertainment | | | | |
| | Residential | | | | |
| | Hotel | | | 3.3% | |
| EXTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 14 | 10 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 33 | 25 |
| | | 0 | 0 | 47 | 35 |

Internal Capture Reduction Calculations

Methodology for A.M. Peak Hour and P.M. Peak Hour
on the *Trip Generation Handbook*, 3rd Edition, published by the Institute of Transportation Engineers

Methodology for Daily
based on the average of the Unconstrained Rates for the A.M. Peak Hour and P.M. Peak Hour

SUMMARY (PROPOSED)

| GROSS TRIP GENERATION | | | | | |
|-----------------------|--------------------------|----------------|------|----------------|------|
| INPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 15 | 11 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 40 | 30 |
| | | 0 | 0 | 55 | 41 |
| INTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 1 | 1 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 1 | 1 |
| | | 0 | 0 | 2 | 2 |
| OUTPUT | <i>Total % Reduction</i> | 0.0% | | 4.2% | |
| | Office | | | | |
| | Retail | | | | |
| | Restaurant | | | 7.7% | |
| | Cinema/Entertainment | | | | |
| | Residential | | | | |
| | Hotel | | | 2.9% | |
| EXTERNAL TRIPS | | | | | |
| OUTPUT | Land Use | A.M. Peak Hour | | P.M. Peak Hour | |
| | | Enter | Exit | Enter | Exit |
| | Office | 0 | 0 | 0 | 0 |
| | Retail | 0 | 0 | 0 | 0 |
| | Restaurant | 0 | 0 | 14 | 10 |
| | Cinema/Entertainment | 0 | 0 | 0 | 0 |
| | Residential | 0 | 0 | 0 | 0 |
| | Hotel | 0 | 0 | 39 | 29 |
| | | 0 | 0 | 53 | 39 |



B08301

MEANS OF TRANSPORTATION TO WORK
 Universe: Workers 16 years and over
 2013-2017 American Community Survey 5-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Technical Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities, and towns and estimates of housing units for states and counties.

$$(80+34+189) / 973 = 31.1\%$$

| | Census Tract 41.03, Miami-Dade County, Florida | |
|---|--|-----------------|
| | Estimate | Margin of Error |
| Total: | 973 | +/-216 |
| Car, truck, or van: | 588 | +/-157 |
| Drove alone | 522 | +/-137 |
| Carpooled: | 66 | +/-90 |
| In 2-person carpool | 66 | +/-90 |
| In 3-person carpool | 0 | +/-13 |
| In 4-person carpool | 0 | +/-13 |
| In 5- or 6-person carpool | 0 | +/-13 |
| In 7-or-more-person carpool | 0 | +/-13 |
| Public transportation (excluding taxicab): | 189 | +/-97 |
| Bus or trolley bus | 156 | +/-91 |
| Streetcar or trolley car (carro publico in Puerto Rico) | 0 | +/-13 |
| Subway or elevated | 0 | +/-13 |
| Railroad | 33 | +/-45 |
| Ferryboat | 0 | +/-13 |
| Taxicab | 26 | +/-42 |
| Motorcycle | 0 | +/-13 |
| Bicycle | 34 | +/-29 |
| Walked | 80 | +/-50 |
| Other means | 11 | +/-16 |
| Worked at home | 45 | +/-37 |

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

Workers include members of the Armed Forces and civilians who were at work last week.

While the 2013-2017 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic

entities.

Estimates of urban and rural populations, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates

Explanation of Symbols:

1. An '***' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '****' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.

Attachment D-1

On-site Vehicle Queuing Analysis

Miami Beach Study

Location: 3120 Collins Ave
City: Miami Beach

Day: Thursday
Date: 12/12/2019

| TIME | Collins Avenue just S/o 32nd St | NOTES | TIME | Collins Avenue just S/o 32nd St | NOTES | TIME | Collins Avenue just S/o 32nd St | NOTES |
|----------|---------------------------------|-------|----------|---------------------------------|-------|---------|---------------------------------|-------|
| | QUEUE | | | QUEUE | | | QUEUE | |
| 12:00 PM | 1 | | 12:50 PM | 2 | | 1:40 PM | | |
| 12:01 PM | 1 | | 12:51 PM | 2 | | 1:41 PM | | |
| 12:02 PM | 1 | | 12:52 PM | 1 | | 1:42 PM | | |
| 12:03 PM | 1 | | 12:53 PM | 1 | | 1:43 PM | | |
| 12:04 PM | 2 | | 12:54 PM | | | 1:44 PM | | |
| 12:05 PM | 2 | | 12:55 PM | | | 1:45 PM | 1 | |
| 12:06 PM | 2 | | 12:56 PM | | | 1:46 PM | 1 | |
| 12:07 PM | 1 | | 12:57 PM | | | 1:47 PM | 1 | |
| 12:08 PM | 1 | | 12:58 PM | | | 1:48 PM | 2 | |
| 12:09 PM | 1 | | 12:59 PM | | | 1:49 PM | 2 | |
| 12:10 PM | | | 1:00 PM | | | 1:50 PM | 1 | |
| 12:11 PM | 1 | | 1:01 PM | | | 1:51 PM | 1 | |
| 12:12 PM | 2 | | 1:02 PM | | | 1:52 PM | | |
| 12:13 PM | 2 | | 1:03 PM | 1 | | 1:53 PM | | |
| 12:14 PM | 1 | | 1:04 PM | 1 | | 1:54 PM | | |
| 12:15 PM | | | 1:05 PM | 1 | | 1:55 PM | | |
| 12:16 PM | | | 1:06 PM | | | 1:56 PM | | |
| 12:17 PM | | | 1:07 PM | | | 1:57 PM | | |
| 12:18 PM | | | 1:08 PM | | | 1:58 PM | | |
| 12:19 PM | 1 | | 1:09 PM | | | 1:59 PM | | |
| 12:20 PM | 1 | | 1:10 PM | | | 2:00 PM | | |
| 12:21 PM | 1 | | 1:11 PM | | | 2:01 PM | | |
| 12:22 PM | 1 | | 1:12 PM | | | 2:02 PM | | |
| 12:23 PM | 1 | | 1:13 PM | | | 2:03 PM | | |
| 12:24 PM | | | 1:14 PM | | | 2:04 PM | | |
| 12:25 PM | | | 1:15 PM | | | 2:05 PM | | |
| 12:26 PM | 1 | | 1:16 PM | | | 2:06 PM | | |
| 12:27 PM | 1 | | 1:17 PM | | | 2:07 PM | | |
| 12:28 PM | 1 | | 1:18 PM | | | 2:08 PM | 1 | |
| 12:29 PM | | | 1:19 PM | | | 2:09 PM | 1 | |
| 12:30 PM | | | 1:20 PM | | | 2:10 PM | 1 | |
| 12:31 PM | | | 1:21 PM | | | 2:11 PM | 1 | |
| 12:32 PM | | | 1:22 PM | | | 2:12 PM | 1 | |
| 12:33 PM | | | 1:23 PM | | | 2:13 PM | 1 | |
| 12:34 PM | | | 1:24 PM | | | 2:14 PM | 1 | |
| 12:35 PM | | | 1:25 PM | | | 2:15 PM | 1 | |
| 12:36 PM | | | 1:26 PM | | | 2:16 PM | 1 | |
| 12:37 PM | | | 1:27 PM | | | 2:17 PM | 1 | |
| 12:38 PM | | | 1:28 PM | | | 2:18 PM | 1 | |
| 12:39 PM | | | 1:29 PM | | | 2:19 PM | 1 | |
| 12:40 PM | | | 1:30 PM | | | 2:20 PM | 1 | |
| 12:41 PM | | | 1:31 PM | | | 2:21 PM | 1 | |
| 12:42 PM | | | 1:32 PM | | | 2:22 PM | 1 | |
| 12:43 PM | | | 1:33 PM | | | 2:23 PM | 1 | |
| 12:44 PM | | | 1:34 PM | | | 2:24 PM | | |
| 12:45 PM | | | 1:35 PM | | | 2:25 PM | | |
| 12:46 PM | | | 1:36 PM | 1 | | 2:26 PM | | |
| 12:47 PM | | | 1:37 PM | 1 | | 2:27 PM | | |
| 12:48 PM | 1 | | 1:38 PM | 1 | | 2:28 PM | | |
| 12:49 PM | 1 | | 1:39 PM | | | 2:29 PM | | |

Note: **Highlighted** values are maximum queues.

Miami Beach Study

Location: 3120 Collins Ave
City: Miami Beach

Day: Thursday
Date: 12/12/2019

| TIME | Collins Avenue just S/o 32nd St | NOTES | TIME | Collins Avenue just S/o 32nd St | NOTES | TIME | Collins Avenue just S/o 32nd St | NOTES |
|---------|---------------------------------|-------|---------|---------------------------------|-------|---------|---------------------------------|-------|
| | QUEUE | | | QUEUE | | | QUEUE | |
| 2:30 PM | | | 3:20 PM | 2 | | 4:10 PM | 1 | |
| 2:31 PM | | | 3:21 PM | 2 | | 4:11 PM | 2 | |
| 2:32 PM | | | 3:22 PM | 2 | | 4:12 PM | 2 | |
| 2:33 PM | | | 3:23 PM | 2 | | 4:13 PM | 2 | |
| 2:34 PM | | | 3:24 PM | 2 | | 4:14 PM | 3 | |
| 2:35 PM | | | 3:25 PM | 2 | | 4:15 PM | 3 | |
| 2:36 PM | | | 3:26 PM | 2 | | 4:16 PM | 3 | |
| 2:37 PM | | | 3:27 PM | 2 | | 4:17 PM | 3 | |
| 2:38 PM | | | 3:28 PM | 2 | | 4:18 PM | 2 | |
| 2:39 PM | | | 3:29 PM | 2 | | 4:19 PM | 2 | |
| 2:40 PM | | | 3:30 PM | 2 | | 4:20 PM | 2 | |
| 2:41 PM | | | 3:31 PM | 2 | | 4:21 PM | 2 | |
| 2:42 PM | | | 3:32 PM | 2 | | 4:22 PM | 2 | |
| 2:43 PM | | | 3:33 PM | 2 | | 4:23 PM | 2 | |
| 2:44 PM | | | 3:34 PM | 2 | | 4:24 PM | 2 | |
| 2:45 PM | | | 3:35 PM | 2 | | 4:25 PM | 2 | |
| 2:46 PM | | | 3:36 PM | 2 | | 4:26 PM | 2 | |
| 2:47 PM | | | 3:37 PM | 2 | | 4:27 PM | 2 | |
| 2:48 PM | | | 3:38 PM | 2 | | 4:28 PM | 2 | |
| 2:49 PM | | | 3:39 PM | 2 | | 4:29 PM | 2 | |
| 2:50 PM | | | 3:40 PM | 2 | | 4:30 PM | 2 | |
| 2:51 PM | | | 3:41 PM | 2 | | 4:31 PM | 2 | |
| 2:52 PM | | | 3:42 PM | 2 | | 4:32 PM | 2 | |
| 2:53 PM | | | 3:43 PM | 2 | | 4:33 PM | 2 | |
| 2:54 PM | | | 3:44 PM | 2 | | 4:34 PM | 2 | |
| 2:55 PM | | | 3:45 PM | 2 | | 4:35 PM | 2 | |
| 2:56 PM | | | 3:46 PM | 2 | | 4:36 PM | 2 | |
| 2:57 PM | | | 3:47 PM | 2 | | 4:37 PM | 2 | |
| 2:58 PM | | | 3:48 PM | 2 | | 4:38 PM | 2 | |
| 2:59 PM | | | 3:49 PM | 2 | | 4:39 PM | 2 | |
| 3:00 PM | | | 3:50 PM | 2 | | 4:40 PM | 2 | |
| 3:01 PM | | | 3:51 PM | 2 | | 4:41 PM | 2 | |
| 3:02 PM | | | 3:52 PM | 2 | | 4:42 PM | 2 | |
| 3:03 PM | 1 | | 3:53 PM | 2 | | 4:43 PM | 2 | |
| 3:04 PM | 1 | | 3:54 PM | 2 | | 4:44 PM | 2 | |
| 3:05 PM | 1 | | 3:55 PM | 2 | | 4:45 PM | 2 | |
| 3:06 PM | 1 | | 3:56 PM | 2 | | 4:46 PM | 2 | |
| 3:07 PM | 1 | | 3:57 PM | 2 | | 4:47 PM | 2 | |
| 3:08 PM | 2 | | 3:58 PM | 2 | | 4:48 PM | 2 | |
| 3:09 PM | 2 | | 3:59 PM | 2 | | 4:49 PM | 2 | |
| 3:10 PM | 2 | | 4:00 PM | 2 | | 4:50 PM | 2 | |
| 3:11 PM | 2 | | 4:01 PM | 2 | | 4:51 PM | 2 | |
| 3:12 PM | 2 | | 4:02 PM | 2 | | 4:52 PM | 2 | |
| 3:13 PM | 2 | | 4:03 PM | 2 | | 4:53 PM | 2 | |
| 3:14 PM | 2 | | 4:04 PM | 2 | | 4:54 PM | 2 | |
| 3:15 PM | 2 | | 4:05 PM | 2 | | 4:55 PM | 2 | |
| 3:16 PM | 2 | | 4:06 PM | 2 | | 4:56 PM | 2 | |
| 3:17 PM | 2 | | 4:07 PM | 2 | | 4:57 PM | 2 | |
| 3:18 PM | 2 | | 4:08 PM | 1 | | 4:58 PM | 3 | |
| 3:19 PM | 2 | | 4:09 PM | 1 | | 4:59 PM | 3 | |

Note: Highlighted values are maximum queues.

Miami Beach Study

Location: 3120 Collins Ave
City: Miami Beach

Day: Thursday
Date: 12/12/2019

| TIME | Collins Avenue just S/o 32nd St | NOTES | TIME | Collins Avenue just S/o 32nd St | NOTES | TIME | Collins Avenue just S/o 32nd St | NOTES |
|---------|---------------------------------|-------|---------|---------------------------------|-------|---------|---------------------------------|-------|
| | QUEUE | | | QUEUE | | | QUEUE | |
| 5:00 PM | 3 | | 5:50 PM | | | 6:40 PM | | |
| 5:01 PM | 2 | | 5:51 PM | | | 6:41 PM | | |
| 5:02 PM | 2 | | 5:52 PM | | | 6:42 PM | | |
| 5:03 PM | 2 | | 5:53 PM | | | 6:43 PM | | |
| 5:04 PM | 1 | | 5:54 PM | | | 6:44 PM | | |
| 5:05 PM | 1 | | 5:55 PM | | | 6:45 PM | | |
| 5:06 PM | 1 | | 5:56 PM | | | 6:46 PM | | |
| 5:07 PM | 1 | | 5:57 PM | | | 6:47 PM | | |
| 5:08 PM | 1 | | 5:58 PM | | | 6:48 PM | | |
| 5:09 PM | 1 | | 5:59 PM | | | 6:49 PM | | |
| 5:10 PM | | | 6:00 PM | | | 6:50 PM | | |
| 5:11 PM | | | 6:01 PM | | | 6:51 PM | | |
| 5:12 PM | | | 6:02 PM | | | 6:52 PM | | |
| 5:13 PM | | | 6:03 PM | | | 6:53 PM | | |
| 5:14 PM | | | 6:04 PM | | | 6:54 PM | | |
| 5:15 PM | | | 6:05 PM | | | 6:55 PM | | |
| 5:16 PM | | | 6:06 PM | | | 6:56 PM | | |
| 5:17 PM | | | 6:07 PM | | | 6:57 PM | | |
| 5:18 PM | | | 6:08 PM | | | 6:58 PM | | |
| 5:19 PM | | | 6:09 PM | | | 6:59 PM | | |
| 5:20 PM | | | 6:10 PM | | | | | |
| 5:21 PM | | | 6:11 PM | | | | | |
| 5:22 PM | | | 6:12 PM | | | | | |
| 5:23 PM | | | 6:13 PM | | | | | |
| 5:24 PM | | | 6:14 PM | | | | | |
| 5:25 PM | | | 6:15 PM | | | | | |
| 5:26 PM | | | 6:16 PM | | | | | |
| 5:27 PM | | | 6:17 PM | | | | | |
| 5:28 PM | | | 6:18 PM | | | | | |
| 5:29 PM | | | 6:19 PM | | | | | |
| 5:30 PM | | | 6:20 PM | | | | | |
| 5:31 PM | | | 6:21 PM | | | | | |
| 5:32 PM | | | 6:22 PM | | | | | |
| 5:33 PM | | | 6:23 PM | | | | | |
| 5:34 PM | | | 6:24 PM | | | | | |
| 5:35 PM | | | 6:25 PM | | | | | |
| 5:36 PM | | | 6:26 PM | | | | | |
| 5:37 PM | | | 6:27 PM | | | | | |
| 5:38 PM | | | 6:28 PM | | | | | |
| 5:39 PM | | | 6:29 PM | | | | | |
| 5:40 PM | | | 6:30 PM | | | | | |
| 5:41 PM | | | 6:31 PM | | | | | |
| 5:42 PM | | | 6:32 PM | | | | | |
| 5:43 PM | | | 6:33 PM | | | | | |
| 5:44 PM | | | 6:34 PM | | | | | |
| 5:45 PM | | | 6:35 PM | | | | | |
| 5:46 PM | | | 6:36 PM | | | | | |
| 5:47 PM | | | 6:37 PM | | | | | |
| 5:48 PM | | | 6:38 PM | | | | | |
| 5:49 PM | | | 6:39 PM | | | | | |

Note: Highlighted values are maximum queues.

Miami Beach Study

Location: 3120 Collins Ave
City: Miami Beach

Day: Saturday
Date: 12/14/2019

| TIME | Collins Avenue just S/o 32nd St | NOTES | TIME | Collins Avenue just S/o 32nd St | NOTES | TIME | Collins Avenue just S/o 32nd St | NOTES |
|----------|---------------------------------|-------|----------|---------------------------------|-------|---------|---------------------------------|-------|
| | QUEUE | | | QUEUE | | | QUEUE | |
| 12:00 PM | | | 12:50 PM | | | 1:40 PM | 1 | |
| 12:01 PM | | | 12:51 PM | | | 1:41 PM | | |
| 12:02 PM | | | 12:52 PM | | | 1:42 PM | | |
| 12:03 PM | | | 12:53 PM | | | 1:43 PM | | |
| 12:04 PM | | | 12:54 PM | | | 1:44 PM | | |
| 12:05 PM | | | 12:55 PM | | | 1:45 PM | | |
| 12:06 PM | | | 12:56 PM | | | 1:46 PM | | |
| 12:07 PM | | | 12:57 PM | | | 1:47 PM | | |
| 12:08 PM | | | 12:58 PM | | | 1:48 PM | | |
| 12:09 PM | | | 12:59 PM | | | 1:49 PM | | |
| 12:10 PM | | | 1:00 PM | | | 1:50 PM | | |
| 12:11 PM | | | 1:01 PM | | | 1:51 PM | | |
| 12:12 PM | | | 1:02 PM | | | 1:52 PM | | |
| 12:13 PM | | | 1:03 PM | | | 1:53 PM | | |
| 12:14 PM | | | 1:04 PM | | | 1:54 PM | | |
| 12:15 PM | 1 | | 1:05 PM | | | 1:55 PM | | |
| 12:16 PM | 1 | | 1:06 PM | | | 1:56 PM | | |
| 12:17 PM | 1 | | 1:07 PM | | | 1:57 PM | 1 | |
| 12:18 PM | 1 | | 1:08 PM | 1 | | 1:58 PM | 1 | |
| 12:19 PM | 1 | | 1:09 PM | 1 | | 1:59 PM | 1 | |
| 12:20 PM | | | 1:10 PM | 1 | | 2:00 PM | 2 | |
| 12:21 PM | | | 1:11 PM | 1 | | 2:01 PM | 1 | |
| 12:22 PM | | | 1:12 PM | 1 | | 2:02 PM | | |
| 12:23 PM | | | 1:13 PM | 2 | | 2:03 PM | | |
| 12:24 PM | | | 1:14 PM | 2 | | 2:04 PM | | |
| 12:25 PM | | | 1:15 PM | 2 | | 2:05 PM | | |
| 12:26 PM | | | 1:16 PM | 1 | | 2:06 PM | | |
| 12:27 PM | | | 1:17 PM | 1 | | 2:07 PM | | |
| 12:28 PM | | | 1:18 PM | 1 | | 2:08 PM | | |
| 12:29 PM | | | 1:19 PM | 1 | | 2:09 PM | | |
| 12:30 PM | | | 1:20 PM | 1 | | 2:10 PM | | |
| 12:31 PM | | | 1:21 PM | 1 | | 2:11 PM | | |
| 12:32 PM | | | 1:22 PM | 1 | | 2:12 PM | | |
| 12:33 PM | | | 1:23 PM | 1 | | 2:13 PM | | |
| 12:34 PM | 1 | | 1:24 PM | 1 | | 2:14 PM | | |
| 12:35 PM | 1 | | 1:25 PM | 1 | | 2:15 PM | | |
| 12:36 PM | | | 1:26 PM | 1 | | 2:16 PM | | |
| 12:37 PM | | | 1:27 PM | 1 | | 2:17 PM | | |
| 12:38 PM | | | 1:28 PM | 1 | | 2:18 PM | | |
| 12:39 PM | | | 1:29 PM | | | 2:19 PM | | |
| 12:40 PM | | | 1:30 PM | | | 2:20 PM | | |
| 12:41 PM | | | 1:31 PM | | | 2:21 PM | | |
| 12:42 PM | | | 1:32 PM | | | 2:22 PM | | |
| 12:43 PM | | | 1:33 PM | | | 2:23 PM | | |
| 12:44 PM | | | 1:34 PM | | | 2:24 PM | | |
| 12:45 PM | | | 1:35 PM | | | 2:25 PM | | |
| 12:46 PM | 1 | | 1:36 PM | 1 | | 2:26 PM | | |
| 12:47 PM | 1 | | 1:37 PM | 1 | | 2:27 PM | | |
| 12:48 PM | 1 | | 1:38 PM | 1 | | 2:28 PM | | |
| 12:49 PM | 1 | | 1:39 PM | 1 | | 2:29 PM | | |

Note: Highlighted values are maximum queues.

Miami Beach Study

Location: 3120 Collins Ave
City: Miami Beach

Day: Saturday
Date: 12/14/2019

| TIME | Collins Avenue just S/o 32nd St | NOTES | TIME | Collins Avenue just S/o 32nd St | NOTES | TIME | Collins Avenue just S/o 32nd St | NOTES |
|---------|---------------------------------|-------|---------|---------------------------------|-------|---------|---------------------------------|-------|
| | QUEUE | | | QUEUE | | | QUEUE | |
| 2:30 PM | | | 3:20 PM | | | 4:10 PM | | |
| 2:31 PM | | | 3:21 PM | | | 4:11 PM | | |
| 2:32 PM | | | 3:22 PM | | | 4:12 PM | | |
| 2:33 PM | | | 3:23 PM | | | 4:13 PM | | |
| 2:34 PM | | | 3:24 PM | | | 4:14 PM | | |
| 2:35 PM | | | 3:25 PM | | | 4:15 PM | | |
| 2:36 PM | | | 3:26 PM | | | 4:16 PM | | |
| 2:37 PM | | | 3:27 PM | | | 4:17 PM | | |
| 2:38 PM | | | 3:28 PM | | | 4:18 PM | | |
| 2:39 PM | | | 3:29 PM | | | 4:19 PM | | |
| 2:40 PM | | | 3:30 PM | | | 4:20 PM | | |
| 2:41 PM | | | 3:31 PM | | | 4:21 PM | | |
| 2:42 PM | | | 3:32 PM | | | 4:22 PM | | |
| 2:43 PM | | | 3:33 PM | | | 4:23 PM | | |
| 2:44 PM | | | 3:34 PM | | | 4:24 PM | | |
| 2:45 PM | | | 3:35 PM | | | 4:25 PM | | |
| 2:46 PM | | | 3:36 PM | | | 4:26 PM | | |
| 2:47 PM | | | 3:37 PM | | | 4:27 PM | | |
| 2:48 PM | | | 3:38 PM | | | 4:28 PM | | |
| 2:49 PM | | | 3:39 PM | 1 | | 4:29 PM | | |
| 2:50 PM | | | 3:40 PM | 1 | | 4:30 PM | | |
| 2:51 PM | | | 3:41 PM | 1 | | 4:31 PM | | |
| 2:52 PM | | | 3:42 PM | 1 | | 4:32 PM | | |
| 2:53 PM | | | 3:43 PM | 1 | | 4:33 PM | | |
| 2:54 PM | 1 | | 3:44 PM | 1 | | 4:34 PM | | |
| 2:55 PM | 1 | | 3:45 PM | 1 | | 4:35 PM | 1 | |
| 2:56 PM | | | 3:46 PM | 1 | | 4:36 PM | 1 | |
| 2:57 PM | | | 3:47 PM | 1 | | 4:37 PM | | |
| 2:58 PM | | | 3:48 PM | 1 | | 4:38 PM | | |
| 2:59 PM | | | 3:49 PM | 1 | | 4:39 PM | | |
| 3:00 PM | | | 3:50 PM | 1 | | 4:40 PM | | |
| 3:01 PM | | | 3:51 PM | 1 | | 4:41 PM | | |
| 3:02 PM | | | 3:52 PM | 1 | | 4:42 PM | | |
| 3:03 PM | | | 3:53 PM | 1 | | 4:43 PM | | |
| 3:04 PM | | | 3:54 PM | 1 | | 4:44 PM | | |
| 3:05 PM | | | 3:55 PM | 1 | | 4:45 PM | | |
| 3:06 PM | | | 3:56 PM | 1 | | 4:46 PM | | |
| 3:07 PM | | | 3:57 PM | 1 | | 4:47 PM | | |
| 3:08 PM | | | 3:58 PM | 1 | | 4:48 PM | | |
| 3:09 PM | | | 3:59 PM | 1 | | 4:49 PM | | |
| 3:10 PM | | | 4:00 PM | 1 | | 4:50 PM | | |
| 3:11 PM | | | 4:01 PM | | | 4:51 PM | | |
| 3:12 PM | | | 4:02 PM | | | 4:52 PM | | |
| 3:13 PM | | | 4:03 PM | | | 4:53 PM | | |
| 3:14 PM | | | 4:04 PM | | | 4:54 PM | | |
| 3:15 PM | | | 4:05 PM | | | 4:55 PM | | |
| 3:16 PM | | | 4:06 PM | | | 4:56 PM | | |
| 3:17 PM | | | 4:07 PM | | | 4:57 PM | | |
| 3:18 PM | | | 4:08 PM | | | 4:58 PM | | |
| 3:19 PM | | | 4:09 PM | | | 4:59 PM | | |

Note: Highlighted values are maximum queues.

Miami Beach Study

Location: 3120 Collins Ave
City: Miami Beach

Day: Saturday
Date: 12/14/2019

| TIME | Collins Avenue just S/o 32nd St | NOTES | TIME | Collins Avenue just S/o 32nd St | NOTES | TIME | Collins Avenue just S/o 32nd St | NOTES |
|---------|---------------------------------|-------|---------|---------------------------------|--|---------|---------------------------------|--|
| | QUEUE | | | QUEUE | | | QUEUE | |
| 5:00 PM | | | 5:00 PM | 1 | | 6:40 PM | 1 | Car block entrance driveway from 5:57-6:45pm |
| 5:01 PM | | | 5:01 PM | 1 | | 6:41 PM | 1 | Car block entrance driveway from 5:57-6:45pm |
| 5:02 PM | | | 5:02 PM | | | 6:42 PM | 1 | Car block entrance driveway from 5:57-6:45pm |
| 5:03 PM | | | 5:03 PM | 1 | | 6:43 PM | 1 | Car block entrance driveway from 5:57-6:45pm |
| 5:04 PM | | | 5:04 PM | 1 | | 6:44 PM | 1 | Car block entrance driveway from 5:57-6:45pm |
| 5:05 PM | | | 5:05 PM | | | 6:45 PM | 1 | Car block entrance driveway from 5:57-6:45pm |
| 5:06 PM | | | 5:06 PM | | | 6:46 PM | | |
| 5:07 PM | | | 5:07 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:47 PM | 1 | |
| 5:08 PM | | | 5:08 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:48 PM | 1 | |
| 5:09 PM | | | 5:09 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:49 PM | 2 | |
| 5:10 PM | | | 6:00 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:50 PM | 2 | |
| 5:11 PM | | | 6:01 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:51 PM | 1 | |
| 5:12 PM | | | 6:02 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:52 PM | 1 | |
| 5:13 PM | | | 6:03 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:53 PM | 1 | |
| 5:14 PM | | | 6:04 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:54 PM | 1 | |
| 5:15 PM | | | 6:05 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:55 PM | 1 | |
| 5:16 PM | | | 6:06 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:56 PM | 1 | |
| 5:17 PM | | | 6:07 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:57 PM | | |
| 5:18 PM | | | 6:08 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:58 PM | | |
| 5:19 PM | | | 6:09 PM | 1 | Car block entrance driveway from 5:57-6:45pm | 6:59 PM | | |
| 5:20 PM | | | 6:10 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:21 PM | | | 6:11 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:22 PM | | | 6:12 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:23 PM | | | 6:13 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:24 PM | | | 6:14 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:25 PM | | | 6:15 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:26 PM | | | 6:16 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:27 PM | | | 6:17 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:28 PM | | | 6:18 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:29 PM | | | 6:19 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:30 PM | | | 6:20 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:31 PM | | | 6:21 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:32 PM | | | 6:22 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:33 PM | | | 6:23 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:34 PM | | | 6:24 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:35 PM | | | 6:25 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:36 PM | | | 6:26 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:37 PM | | | 6:27 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:38 PM | | | 6:28 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:39 PM | | | 6:29 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:40 PM | | | 6:30 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:41 PM | | | 6:31 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:42 PM | | | 6:32 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:43 PM | | | 6:33 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:44 PM | | | 6:34 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:45 PM | | | 6:35 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:46 PM | | | 6:36 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:47 PM | | | 6:37 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:48 PM | | | 6:38 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |
| 5:49 PM | | | 6:39 PM | 1 | Car block entrance driveway from 5:57-6:45pm | | | |

Note: Highlighted values are maximum queues.