FONTAINEBLEAU MIAMI BEACH

F&B Summary 2018

Time: December

F&B BY OUTLET

	Month to Date					Year to Date				
	Actual	Budget	Prior Year	Var + (-)	%	Actual	Budget	Prior Year	Var + (-)	%
Covers - Breakfast	13,234	13,289	12,007	(55)	-0.4 %	125,885	146,095	129,688	(20,210)	-13.8 %
Covers - Lunch	4,839	6,923	4,307	(2,084)	-30.1 %	55,070	67,252	55,469	(12,182)	-18.1 %
Covers - Dinner	5,916	5,941	5,393	(25)	-0.4 %	49,131	59,680	49,856	(10,549)	-17.7 %
Avg Food Check					3.0 %					3.2 %
Avg. - Breakfast Cover					17.9 %					8.0 %
Avg. - Lunch Cover					-10.4 %					4.2 %
Avg. - Dinner Cover					-4.3 %					-5.9 %
Avg Beverage Check					29.0 %					9.2 %
Avg. Total Cover					**6.2 %**					**3.8 %**
Cost of Sales - Food					5.8 %					-10.1 %
Cost of Sales - Beverage					20.8 %					-14.2 %
Cost of Sales - Other					0.0 %					0.0 %
Cost of Sales					**6.7 %**					**-10.4 %**
Cost of Food %					12.0 %					3.4 %
Cost of Beverage %					2.0 %					-6.7 %
Cost of Other %					0.0 %					0.0 %
Total Payroll, Taxes & Benefit					**-2.9 %**					**-2.6 %**
Other Operating Expenses					2.5 %					-3.0 %
Total Expenses					0.4 %					-4.7 %
Profit					**-20.3 %**					**-82.8 %**
Margin										
La Cote										
Food Revenue					54.6 %					1.7 %
Food Revenue - Lunch					11.5 %					-6.1 %
Food Revenue - Dinner					0.0 %					0.0 %
Beverage Revenue					69.4 %					15.3 %
Other F&B Revenue					0.0 %					0.0 %
Total Revenue					77.4 %					9.1 %
Covers	**12,323**	**13,355**	**13,380**	**-1,032**	**-7.7 %**	**137,250**	**145,138**	**132,666**	**-7,888**	**-5.4 %**
Covers - Lunch	12,155	13,355	13,085	-1,200	-9.0 %	131,649	145,138	126,250	-13,489	-9.3 %
Covers - Dinner	133	0	273	133	0.0 %	5,325	0	6,234	5,325	0.0 %
Avg Food Check					67.5 %					7.6 %
Avg. - Lunch Cover					22.2 %					3.3 %
Avg. - Dinner Cover					NaN					NaN
Avg Beverage Check					83.6 %					22.0 %
Avg. Total Cover					92.2 %					15.3 %
Cost of Sales - Food					53.3 %					0.7 %
Cost of Sales - Beverage					55.4 %					5.9 %
Cost of Sales - Other					0.0 %					0.0 %
Cost of Sales					53.8 %					2.4 %
Cost of Food %					-0.9 %					-1.0 %
Cost of Beverage %					-8.3 %					-8.2 %
Cost of Other %					0.0 %					0.0 %
Total Payroll, Taxes & Benefit					**19.3 %**					**-1.6 %**
Other Operating Expenses					40.1 %					3.5 %
Total Expenses					**34.2 %**					**0.7 %**
Profit					**233.1 %**					**31.9 %**
Margin										
Beach Food										
Food Revenue					485.3 %					-0.8 %

FONTAINEBLEAU MIAMI BEACH

F&B Summary 2018

Time: December

F&B BY OUTLET

	Month to Date					Year to Date				
	Actual	Budget	Prior Year	Var + (-)	%	Actual	Budget	Prior Year	Var + (-)	%
Beverage Revenue					-28.7 %					-16.9 %
Other F&B Revenue					0.0 %					0.0 %
Total Revenue					**181.0 %**					**-10.3 %**
Cost of Sales - Food					0.0 %					0.0 %
Cost of Sales - Beverage					0.0 %					0.0 %
Cost of Sales - Other					0.0 %					0.0 %
Cost of Sales					**0.0 %**					**0.0 %**
Cost of Food %					0.0 %					0.0 %
Cost of Beverage %					0.0 %					0.0 %
Other Operating Expenses					-40.5 %					-48.5 %
Total Expenses					**-40.5 %**					**-48.5 %**
Profit					**200.5 %**					**-7.0 %**
Margin										
Solo										
Food Revenue					0.0 %					0.0 %
Other F&B Revenue					0.0 %					0.0 %
Total Revenue					**0.0 %**					**0.0 %**
Checks					**0.0 %**					**0.0 %**
Avg. Food Cover					0.0 %					0.0 %
Avg. Total Cover					0.0 %					0.0 %
Cost of Sales - Food					0.0 %					0.0 %
Cost of Sales					**0.0 %**					**0.0 %**
Cost of Food %					0.0 %					0.0 %
Total Payroll, Taxes & Benefit					**0.0 %**					**0.0 %**
Other Operating Expenses					0.0 %					0.0 %
Total Expenses					**0.0 %**					**0.0 %**
Profit					**0.0 %**					**0.0 %**
Margin										
Fresh										
Food Revenue					16.4 %					-7.1 %
Total Revenue					**17.6 %**					**-7.1 %**
Checks	**8,370**	**6,572**	**8,225**	**1,798**	**27.4 %**	**86,253**	**87,960**	**85,196**	**-1,707**	**-1.9 %**
Avg. Food Cover					-8.6 %					-5.2 %
Avg. Total Cover					-7.7 %					-5.3 %
Cost of Sales - Food					10.8 %					-2.0 %
Cost of Sales					**10.5 %**					**-2.1 %**
Cost of Food %					-4.8 %					5.4 %
Total Payroll, Taxes & Benefit					**8.7 %**					**-6.3 %**
Other Operating Expenses					46.6 %					0.0 %
Total Expenses					**20.4 %**					**-3.0 %**
Profit					**10.4 %**					**-16.5 %**
Margin										
Dine In										
Food Revenue					-0.6 %					-9.7 %
Beverage Revenue					-2.3 %					6.6 %
Other F&B Revenue					13.9 %					-4.6 %
Total Revenue					**0.6 %**					**-7.2 %**

FONTAINEBLEAU MIAMI BEACH

F&B Summary 2018

Time: December

F&B BY OUTLET

	Month to Date					Year to Date				
	Actual	Budget	Prior Year	Var + (-)	%	Actual	Budget	Prior Year	Var + (-)	%
Covers	**15,524**	**18,928**	**14,510**	**($3,404)**	**-18.0 %**	**148,608**	**176,454**	**151,244**	**($27,846)**	**-15.8 %**
Avg. Food Cover					21.2 %					7.2 %
Avg. Beverage Cover					19.1 %					26.6 %
Avg. Total Cover					22.6 %					10.2 %
Cost of Sales - Food					5.1 %					-6.6 %
Cost of Sales - Beverage					-13.6 %					1.3 %
Cost of Sales - Other					0.0 %					0.0 %
Cost of Sales					**3.0 %**					**-6.5 %**
Cost of Food %					5.7 %					3.5 %
Cost of Beverage %					-11.5 %					-5.0 %
Cost of Other %					0.0 %					0.0 %
Total Payroll, Taxes & Benefit					**9.7 %**					**0.4 %**
Other Operating Expenses					31.8 %					8.4 %
Total Expenses					**11.6 %**					**0.1 %**
Profit					**-84.4 %**					**-102.6**
Margin										
Private Bar										
Food Revenue					4.3 %					3.1 %
Beverage Revenue					4.2 %					9.2 %
Other F&B Revenue					-70.2 %					-63.9 %
Total Revenue					**0.6 %**					**0.3 %**
Cost of Sales - Food					5.3 %					-0.1 %
Cost of Sales - Beverage					7.1 %					7.4 %
Cost of Sales - Other					-77.2 %					-28.1 %
Cost of Sales					**2.1 %**					**0.6 %**
Cost of Food %					1.0 %					-3.2 %
Cost of Beverage %					2.8 %					-1.6 %
Cost of Other %					-23.6 %					99.0 %
Total Payroll, Taxes & Benefit					**8.8 %**					**0.8 %**
Other Operating Expenses					7.5 %					-5.4 %
Total Expenses					**5.5 %**					**-0.2 %**
Profit					**-3.1 %**					**0.8 %**
Margin										
Glow Bar										
Beverage Revenue					-27.4 %					-5.3 %
Other F&B Revenue					160.6 %					10.1 %
Total Revenue					**-25.9 %**					**-5.2 %**
Checks	**6,853**	**10,000**	**6,977**	**($3,147)**	**-31.5 %**	**114,650**	**124,955**	**111,508**	**($10,305)**	**-8.2 %**
Avg. Beverage Cover					5.9 %					3.2 %
Avg. Total Cover					8.1 %					3.3 %
Cost of Sales - Beverage					-18.4 %					2.2 %
Cost of Sales - Other					0.0 %					0.0 %
Cost of Sales					**-23.4 %**					**6.2 %**
Cost of Beverage %					12.5 %					7.9 %
Cost of Other %					0.0 %					0.0 %
Total Payroll, Taxes & Benefit					**63.9 %**					**13.6 %**
Other Operating Expenses					17.7 %					1.2 %
Total Expenses					**13.0 %**					**7.9 %**

FONTAINEBLEAU MIAMI BEACH

F&B Summary 2018

Time: December

F&B BY OUTLET

	Month to Date					Year to Date				
	Actual	Budget	Prior Year	Var + (-)	%	Actual	Budget	Prior Year	Var + (-)	%
Profit					-41.6 %					-10.1 %
Margin										
Bleau Bar										
Beverage Revenue					12.1 %					1.6 %
Other F&B Revenue					0.0 %					80.6 %
Total Revenue					**13.5 %**					**2.2 %**
Checks	18,553	18,785	15,579	($232)	-1.2 %	188,917	201,271	171,599	($12,354)	-6.1 %
Avg. Beverage Cover					13.5 %					8.2 %
Avg. Total Cover					14.9 %					8.9 %
Cost of Sales - Beverage					6.5 %					-3.5 %
Cost of Sales - Other					0.0 %					0.0 %
Cost of Sales					**6.5 %**					**-3.5 %**
Cost of Beverage %					-5.0 %					-5.0 %
Cost of Other %					0.0 %					0.0 %
Total Payroll, Taxes & Benefit					**25.5 %**					**1.1 %**
Other Operating Expenses					24.4 %					6.1 %
Total Expenses					**15.6 %**					**-0.1 %**
Profit					**12.4 %**					**3.4 %**
Margin										
Chez Bon Bon										
Food Revenue					8.7 %					-0.9 %
Other F&B Revenue					291.5 %					16.3 %
Total Revenue					**9.7 %**					**-0.9 %**
Checks	28,367	25,161	24,979	$3,206	12.7 %	277,249	275,546	265,288	$1,703	0.6 %
Avg. Food Cover					-3.6 %					-1.5 %
Avg. Total Cover					-2.7 %					-1.5 %
Cost of Sales - Food					1.3 %					-3.9 %
Cost of Sales - Other					-100.0					-29.6 %
Cost of Sales					**1.0 %**					**-3.8 %**
Cost of Food %					-6.8 %					-3.0 %
Cost of Other %					-100.0					-39.5 %
Total Payroll, Taxes & Benefit					**23.1 %**					**-19.9 %**
Other Operating Expenses					62.0 %					19.9 %
Total Expenses					**28.6 %**					**1.2 %**
Profit					**-16.3 %**					**-4.6 %**
Margin										
Michael Mina Pizza & Bu										
Food Revenue					47.5 %					1.1 %
Beverage Revenue					47.8 %					26.8 %
Other F&B Revenue					4363.5					22.7 %
Total Revenue					**50.3 %**					**13.5 %**
Checks	11,068	8,198	9,088	$2,870	35.0 %	120,234	113,972	106,024	$6,262	5.5 %
Avg. Food Cover					9.2 %					-4.2 %
Avg. Beverage Cover					9.5 %					20.2 %
Avg. Total Cover					11.3 %					7.6 %
Cost of Sales - Food					61.1 %					1.9 %

FONTAINEBLEAU MIAMI BEACH

F&B Summary 2018

Time: December

F&B BY OUTLET

	Month to Date					Year to Date				
	Actual	Budget	Prior Year	Var + (-)	%	Actual	Budget	Prior Year	Var + (-)	%
Cost of Sales - Beverage					44.5 %					19.5 %
Cost of Sales - Other					0.0 %					0.0 %
Cost of Sales					**64.4 %**					**9.3 %**
Cost of Food %					9.2 %					0.8 %
Cost of Beverage %					-2.2 %					-5.8 %
Cost of Other %					0.0 %					0.0 %
Total Payroll, Taxes & Benefit					**46.7 %**					**3.1 %**
Other Operating Expenses					51.9 %					26.3 %
Total Expenses					**52.4 %**					**11.8 %**
Profit					**18.5 %**					**19.9 %**
Margin										
Tresor Lounge										
Cost of Sales - Food					0.0 %					0.0 %
Cost of Sales - Beverage					0.0 %					0.0 %
Cost of Sales - Other					0.0 %					0.0 %
Cost of Sales					**0.0 %**					**0.0 %**
Total Payroll, Taxes & Benefit					**-57.7 %**					**10.4 %**
Other Operating Expenses					-2.3 %					5.2 %
Total Expenses					**-2814.6**					**-285.3**
Profit					**-2814.6**					**-285.3**
Sorrento Lounge										
Cost of Sales - Food					0.0 %					0.0 %
Cost of Sales - Beverage					0.0 %					0.0 %
Cost of Sales - Other					0.0 %					0.0 %
Cost of Sales					**0.0 %**					**0.0 %**
Total Payroll, Taxes & Benefit					**9.8 %**					**10.4 %**
Other Operating Expenses					11.0 %					6.1 %
Total Expenses					**929.4 %**					**-107.2**
Profit					**929.4 %**					**-107.2**
Liv										
Beverage Revenue					11.5 %					-5.3 %
Other F&B Revenue					-1.5 %					16.3 %
Total Revenue					**9.7 %**					**-2.1 %**
Checks	**17,577**	**22,468**	**17,606**	**($4,891)**	**-21.8 %**	**210,585**	**201,738**	**159,598**	**$8,847**	**4.4 %**
Avg. Beverage Cover					42.5 %					-9.3 %
Avg. Total Cover					40.2 %					-6.2 %
Cost of Sales - Beverage					15.6 %					5.9 %
Cost of Sales					**15.6 %**					**6.0 %**
Cost of Beverage %					3.7 %					11.9 %
Cost of Other %					0.0 %					0.0 %
Total Payroll, Taxes & Benefit					**41.1 %**					**6.1 %**
Other Operating Expenses					45.3 %					9.8 %
Total Expenses					**40.8 %**					**8.8 %**
Profit					**-34.5 %**					**-19.5 %**
Margin										

FONTAINEBLEAU MIAMI BEACH

F&B Summary 2018

Time: December

F&B BY OUTLET

	Month to Date					Year to Date				
	Actual	Budget	Prior Year	Var + (-)	%	Actual	Budget	Prior Year	Var + (-)	%
Banquets										
Food Revenue					70.6 %					-7.2 %
Food Revenue - Allowance					198.8 %					-16.6 %
Local Food Revenue					**200.4 %**					**84.4 %**
Food Rev - Coffee Local Bnq					307.0 %					-23.6 %
Food Rev - Reception Local B					492.9 %					-2.2 %
Food Rev - Cont Breakfast Loc					0.0 %					0.0 %
Food Rev - Breakfast Local Bn					210.5 %					129.0 %
Food Rev - Lunch Local Bnq					779.0 %					229.0 %
Food Rev - Dinner Local Bnq					110.5 %					145.9 %
Group Food Revenue					**60.3 %**					**-9.8 %**
Food Rev - Coffee Group Bnq					95.7 %					-0.3 %
Food Rev - Reception Group					125.3 %					-20.9 %
Food Rev - Cont Breakfast Gr					-100.0					-100.0
Food Rev - Breakfast Group B					67.6 %					-3.7 %
Food Rev - Lunch Group Bnq					39.7 %					-8.1 %
Food Rev - Dinner Group Bnq					10.1 %					-14.0 %
Beverage Revenue					**55.1 %**					**-26.5 %**
Local Beverage Revenue					**125.1 %**					**48.0 %**
Beverage Rev - Beer Local					0.0 %					267.9 %
Beverage Rev - Wine Local					-23.3 %					28.5 %
Beverage Rev - Liquor Local					262.8 %					50.4 %
Group Beverage Revenue					**44.1 %**					**-29.5 %**
Beverage Revenue - Allowanc					0.0 %					0.0 %
Beverage Rev - Beer Group					27.6 %					-19.4 %
Beverage Rev - Wine Group					884.9 %					-33.1 %
Beverage Rev - Liquor Group					-2.3 %					-29.5 %
Other Revenue					**48.5 %**					**-10.0 %**
Public Room Rental					0.0 %					0.0 %
Service Charge Revenue					535.3 %					79.1 %
Public Room Rental - Group					35.7 %					-30.6 %
Service Charge Rev - Group					81.3 %					-12.1 %
Service Charge Revenue					0.0 %					0.0 %
Other Revenue - F&B					-8.3 %					-11.7 %
Other Rev - F&B Group					0.0 %					0.0 %
Total Revenue					**64.6 %**					**-10.5 %**
1) Group					57.0 %					-13.2 %
2) Local					99.4 %					25.5 %
3) Allowance					198.8 %					-16.6 %
Covers	**13,269**	**9,685**	**7,069**	**3,584**	**37.0 %**	**291,910**	**309,347**	**225,300**	**-17,437**	**-5.6 %**
Local Covers	**748**	**598**	**1,395**	**150**	**25.1 %**	**8,324**	**5,180**	**7,219**	**3,144**	**60.7 %**
Covers - Cont. Breakfast	0	0	0	0	0.0 %	0	0	0	0	0.0 %
Covers - Breakfast	259	14	42	245	1750.0	1,211	498	635	713	143.2 %
Covers - Lunch	285	51	319	234	458.8 %	2,589	1,361	1,444	1,228	90.2 %
Covers - Dinner	204	533	1,034	-329	-61.7 %	4,524	3,321	5,140	1,203	36.2 %
Group Covers	**12,521**	**9,087**	**5,674**	**3,434**	**37.8 %**	**283,586**	**304,167**	**218,081**	**-20,581**	**-6.8 %**
Covers - Cont. Breakfast	0	0	0	0	0.0 %	0	0	0	0	0.0 %
Covers - Breakfast	4,753	3,086	2,946	1,667	54.0 %	120,259	130,117	81,895	-9,858	-7.6 %
Covers - Lunch	5,209	3,159	2,029	2,050	64.9 %	114,601	119,515	84,999	-4,914	-4.1 %
Covers - Dinner	2,559	2,842	699	-283	-9.9 %	48,726	54,535	51,187	-5,809	-10.7 %
Avg Food Check					**24.5 %**					**-1.6 %**
Avg. Local Cont. Bkfst Cover					0.0 %					0.0 %
Avg. Local Breakfast Cover					-83.2 %					-5.8 %
Avg. Local Lunch Cover					57.3 %					72.9 %

FONTAINEBLEAU MIAMI BEACH

F&B Summary 2018

Time: December

F&B BY OUTLET

	Month to Date					Year to Date				
	Actual	Budget	Prior Year	Var + (-)	%	Actual	Budget	Prior Year	Var + (-)	%
Avg. Local Dinner Cover					449.9 %					80.5 %
Avg. Group Cont. Bkfst Cover					0.0 %					0.0 %
Avg. Group Breakfast Cover					8.9 %					4.2 %
Avg. Group Lunch Cover					-15.3 %					-4.1 %
Avg. Group Dinner Cover					22.2 %					-3.7 %
Avg Beverage Check					**13.2 %**					**-22.1 %**
Avg. Total Check					**20.2 %**					**-5.2 %**
Cost of Sales - Food					29.4 %					-7.4 %
Cost of Sales - Beverage					32.8 %					-20.1 %
Cost of Sales - Other					-41.7 %					6.3 %
Cost of Sales					**12.7 %**					**-7.3 %**
Cost of Food %					-24.1 %					-0.3 %
Cost of Beverage %					-14.4 %					8.7 %
Cost of Other %					-60.7 %					18.0 %
Total Payroll, Taxes & Benefit					**57.4 %**					**0.4 %**
Other Operating Expenses					28.8 %					-8.2 %
Total Expenses					**39.5 %**					**-3.7 %**
Profit					**145.7 %**					**-16.4 %**
Margin										

MBCC VALET PARKING PLAN

MIAMIBEACH

MIAMIBEACH CONVENTION CENTER

MIAMIBEACH PARKING

MBCC VALET PARKING PLAN

Priorities:

- Expedited Vehicle Arrival and Departure.
- Accessible Valet Storage and Traffic Patterns.
- Streamline Convention Center Drive and Washington Avenue.
- Valet Parking "White Glove" Experience.

Strategies:

- Event Based - Identify Creative Solutions based on event intensity and transportation and parking needs
- Use of Expanded Vehicle Storage Capacity and Passenger Loading Areas
- Control of Traffic Circulation
- Weekly Meetings with MBCC Events staff to refine valet plan for current conditions

VALET VENUES – COMPARABLES

Venues:

- Loews
- Fontainebleau
- Mandarin Oriental Miami
- JW Marriott Marquis
- Trump National Doral

Events:

Gala
Corporate events
Weddings
Art Basel (2016)
MBSH Prom

Mode of Arrival (Galas):

Valet Parking:	40%
Shared-ride:	40%
Self-park:	20%
Total:	100%

GRAND BALLROOM – PEAK EVENT

Demand:

- Attendees: 3,600
- Vehicles (2 per vehicle): 1,800

Arrival Modes:

- Valet Vehicles: 720
- Self-park Vehicles: + 360
- Total parking spaces: 1,080
- Shared Ride/Black Car: + 720

Total Vehicles: 1,800

GRAND BALLROOM PEAK EVENT

Valet Vehicle Storage:

- MBCC Garage (4th & 5th Levels): 440 spaces = 551vehicles stacked.
- P-29 (CCD at 17th Street): 160 spaces = 200 vehicles stacked.
- Convention Center Drive: 24 spaces = 60 vehicles stacked.
- Total: 624 spaces = 811 vehicles stacked.

Self-Parking

- Entrance on Washington Avenue (East - Helix)
- MBCC Garage 5th Level: 360 Spaces Reserved.
- Shared-Ride Space- Convention Center Drive and Washington Avenue

GRAND BALLROOM – PEAK EVENT

Based on research, Galas typically offer Pre-Event Reception

Valet Arrivals (1 Hour Pre- Event):

- 1st 20 Mins: 144 Vehicles (20%)
- 2nd 20 Mins: 144 Vehicles (20%)
- 3rd 20 Mins: 216 Vehicles (30%)
- 20 Mins late: 216 Vehicles (30%)

Sarah Fiol

From: Dan Stevens <dstevens@fbdev.com>
Sent: Tuesday, October 15, 2019 2:53 PM
To: Kevin Bryant; Juan Espinosa
Cc: Alejandro Matos Fermin; Timothy J. Plummer
Subject: RE: Parking Survey - 2016
Attachments: Trip Gen Analysis.pdf

Juan,

Per 2016 survey, 36% employees used public transporation or carpooled. Can you please send updated trip gen analysis based on the information provided for review. For grand ballroom use 16 ,247 and jr use 9,038 s.f.

Thanks,

From: Dan Stevens
Sent: Tuesday, October 15, 2019 2:46 PM
To: Kevin Bryant <kbryant@fontainebleau.com>
Cc: Silvia Pereda <SPereda@fontainebleau.com>
Subject: RE: Parking Survey - 2016

Understood.

Based on call you indicated full time employees of approximately 2,400.
Per below that would work out to approx. 528 using public transporation (22%) and 336 carpooling (14%) = 36% or 864.

From: Kevin Bryant <kbryant@fontainebleau.com>
Sent: Tuesday, October 15, 2019 11:44 AM
To: Dan Stevens <dstevens@fbdev.com>
Cc: Silvia Pereda <SPereda@fontainebleau.com>
Subject: FW: Parking Survey - 2016

Dan,

See below. This is from an employee survey that was done a few years ago. Silvia has the backup data if needed. I would suggest we triple the numbers below to scale up to our full employee count. This would include all our third party vendors for departments that our outsourced (Beach operations, valet, overnight housekeeping).

Call me if you would like to discuss.

Kevin

KEVIN BRYANT | VICE PRESIDENT, SALES

Fontainebleau Miami Beach | 4441 Collins Avenue | Miami Beach FL 33140
O 305 535 3222 | F 305 675 8218 | kbryant@fontainebleau.com
fontainebleau.com | #fontainebleau | #bleaulive

Valet Operation

2013	January	February	March	April	May	June	July	August	September	October	November	December	2013 Total
Daily	10,130	8,855	9,113	6,203	9,611	10,610	8,849	19,721	8,853	9,512	8,568	9,340	119,365
Events	4,286	3,985	5,126	4,482	4,851	4,797	5,088	4,872	3,728	4,514	6,780	7,123	59,632
Overnight	9,406	8,896	9,869	8,740	10,975	12,775	15,435	18,603	13,364	12,881	11,750	11,609	144,303
Veh. Total	23,822	21,736	24,108	19,425	25,437	28,182	29,372	43,196	25,945	26,907	27,098	28,072	**323,300**
Revenue													
RPAS													

2014	January	February	March	April	May	June	July	August	September	October	November	December	Total
Daily	10,978	13,780	12,650	8,921	9,164	12,699	12,368	12,191	11,883	11,474	11,227	11,078	138,413
Events	6,600	4,774	4,855	4,297	3,782	2,658	2,009	1,555	1,325	1,681	1,651	1,186	36,373
Overnight	19,205	15,180	13,425	10,625	13,392	15,820	19,378	17,388	11,125	12,873	13,698	18,559	180,668
Veh. Total	36,783	33,734	30,930	23,843	26,338	31,177	33,755	31,134	24,333	26,028	26,576	30,823	**355,454**
Revenue													
RPAS													

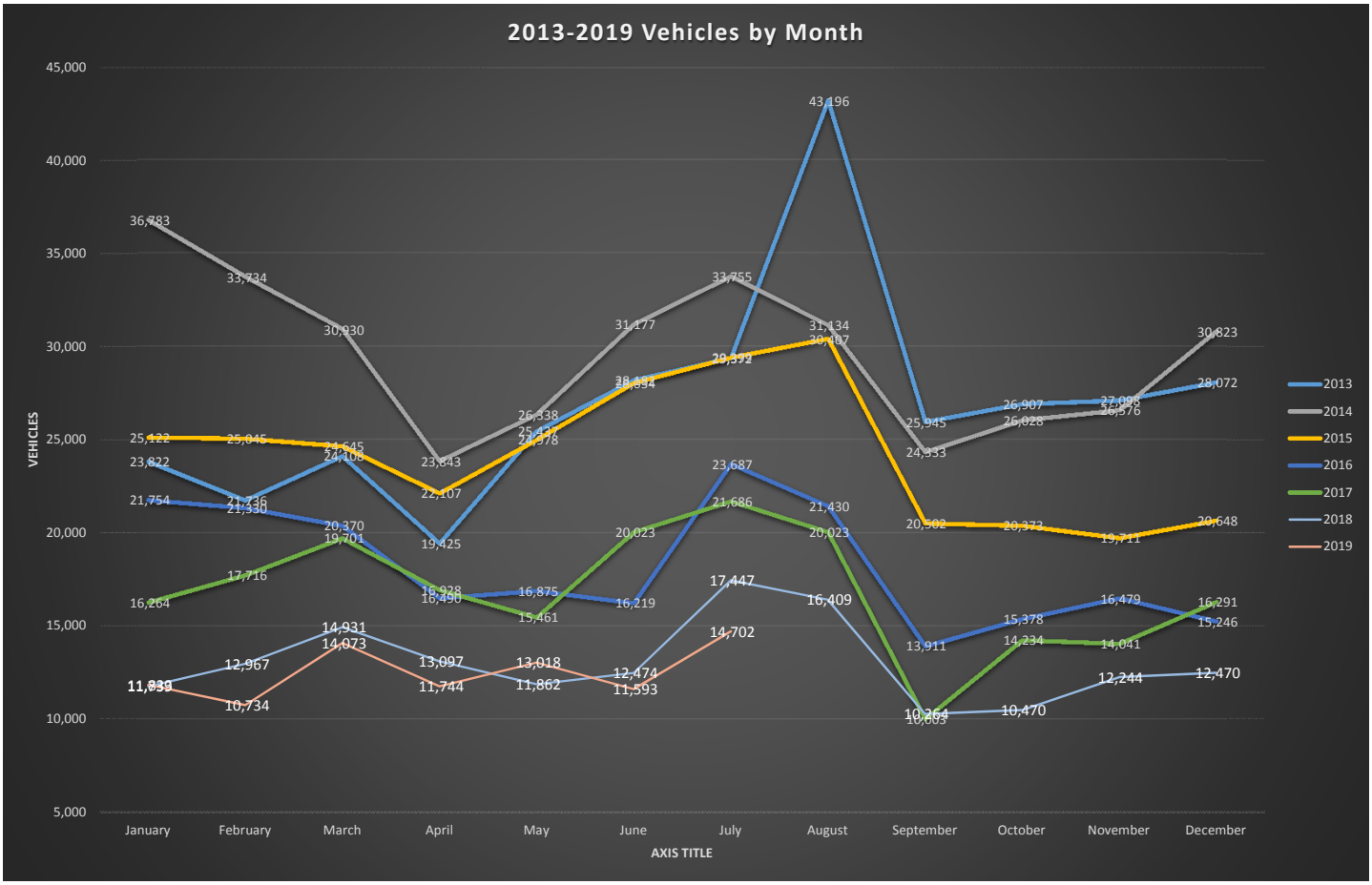
2015	January	February	March	April	May	June	July	August	September	October	November	December	Total
Daily	10,517	10,402	10,993	9,457	9,961	11,967	12,091	11,064	8,437	9,132	7,750	7,124	118,895
Events	2,373	1,985	1,242	1,102	820	737	374	32	123	706	514	242	10,250
Overnight	12,232	12,658	12,410	11,548	14,197	15,330	16,934	19,311	11,942	10,535	11,447	13,282	161,826
Veh. Total	25,122	25,045	24,645	22,107	24,978	28,034	29,399	30,407	20,502	20,373	19,711	20,648	**290,971**
Revenue													
RPAS													

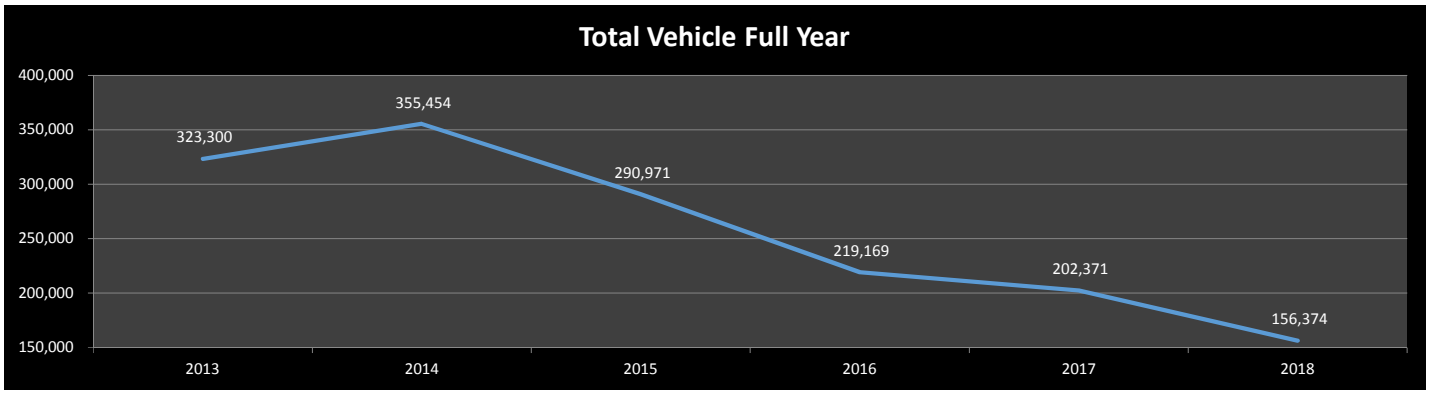
2016	January	February	March	April	May	June	July	August	September	October	November	December	Total
Daily	9,561	8,634	7,938	7,018	7,983	6,228	8,460	8,078	6,658	6,136	6,263	6,506	89,463
Events	577	922	288	188	283	389	57	218	263	281	865	232	4,563
Overnight	11,616	11,774	12,144	9,284	8,609	9,602	15,170	13,134	6,990	8,961	9,351	8,508	125,143
Veh. Total	21,754	21,330	20,370	16,490	16,875	16,219	23,687	21,430	13,911	15,378	16,479	15,246	**219,169**
Revenue													
RPAS													

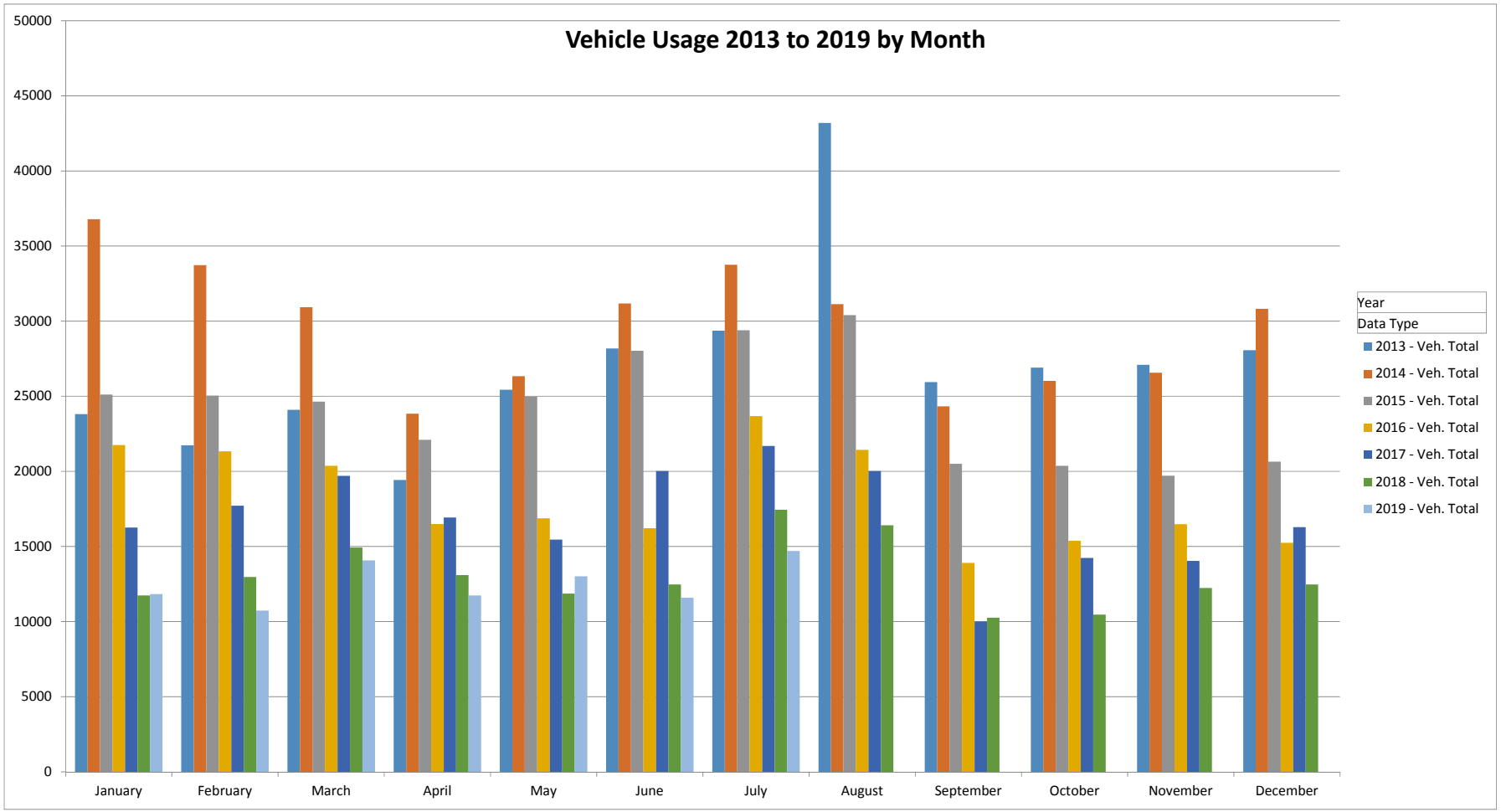
2017	January	February	March	April	May	June	July	August	September	October	November	December	Total
Daily	7,346	6,740	6,775	6,388	6,160	5,171	5,853	5,566	3,225	5,502	5,630	6,332	70,688
Events	273	553	368	311	159	569	205	174	127	487	447	263	3,936
Overnight	8,645	10,423	12,558	10,229	9,142	14,283	15,628	14,283	6,651	8,245	7,964	9,696	127,747
Veh. Total	16,264	17,716	19,701	16,928	15,461	20,023	21,686	20,023	10,003	14,234	14,041	16,291	**202,371**
Revenue													
RPAS													

2018	January	February	March	April	May	June	July	August	September	October	November	December	Total
Daily	5,760	5,833	6,047	5,323	4,324	4,805	5,097	5,658	4,237	4,378	4,719	5,282	61,463
Events	799	912	1,000	847	994	871	912	978	794	831	914	924	10,776
Overnight	5,180	6,222	7,884	6,927	6,544	6,798	11,438	9,773	5,233	5,261	6,611	6,264	84,135
Veh. Total	11,739	12,967	14,931	13,097	11,862	12,474	17,447	16,409	10,264	10,470	12,244	12,470	**156,374**
Revenue													
RPAS													

2019	January	February	March	April	May	June	July	August	September	October	November	December	Total
Daily	4,810	4,316	5,651	4,425	5,326	3,893	5,126	5,445	3,784	3,914	4,971	4,785	56,446
Events	1,029	887	1,059	884	982	1,006	939	945	706	808	841	721	10,807
Overnight	5,994	5,531	7,363	6,435	6,710	6,694	8,637	8,146	4,018	5,210	6,470	5,825	77,033
Veh. Total	11,833	10,734	14,073	11,744	13,018	11,593	14,702	14,536	8,508	9,932	12,282	11,331	144,286
Revenue													
RPAS													

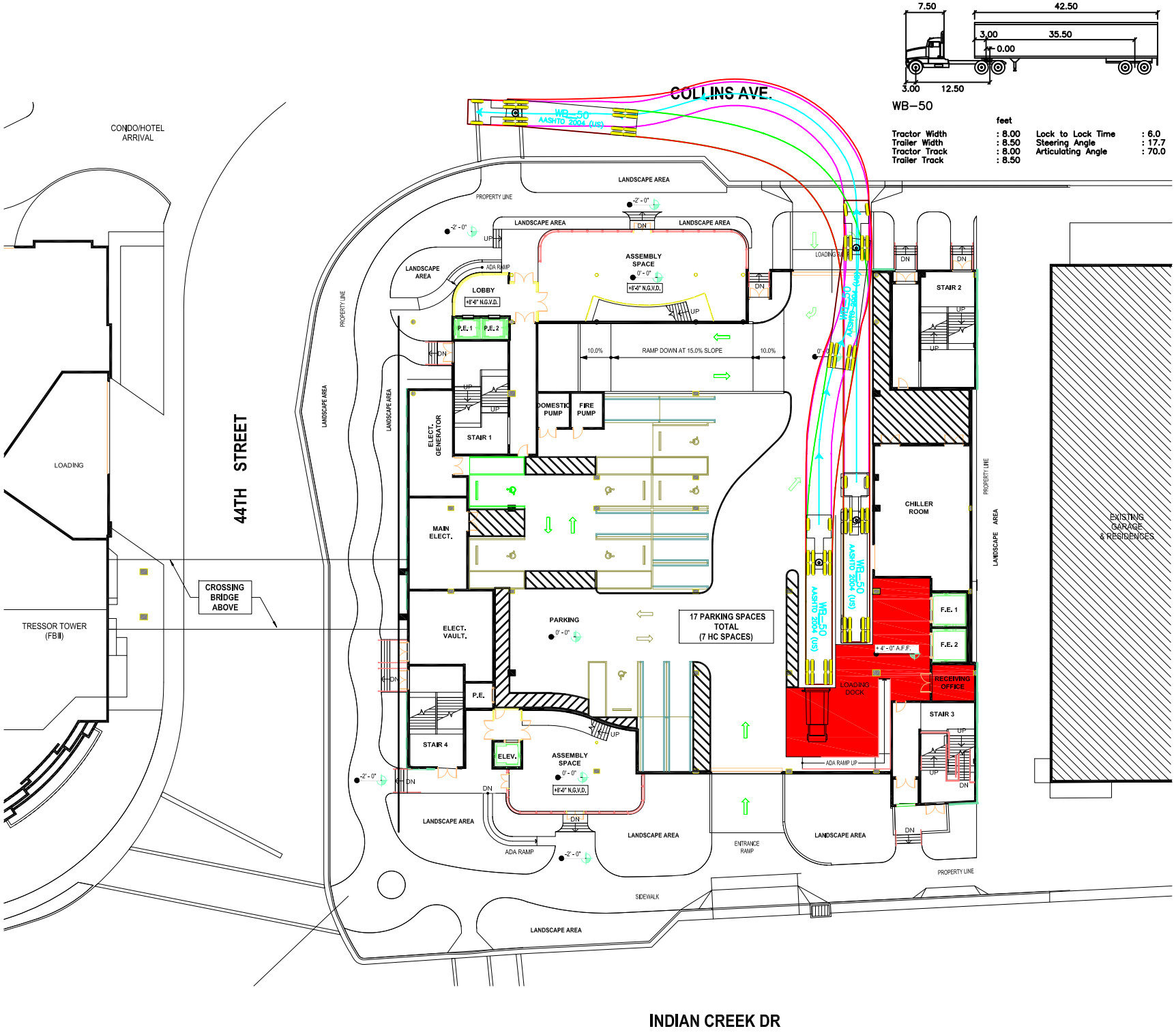

2013-2019 Vehicles by Month
VEHICLES
AXIS TITLE
January
February
March
April
May
June
July
August
September
October
November
December
2013
2014
2015
2016
2017
2018
2019

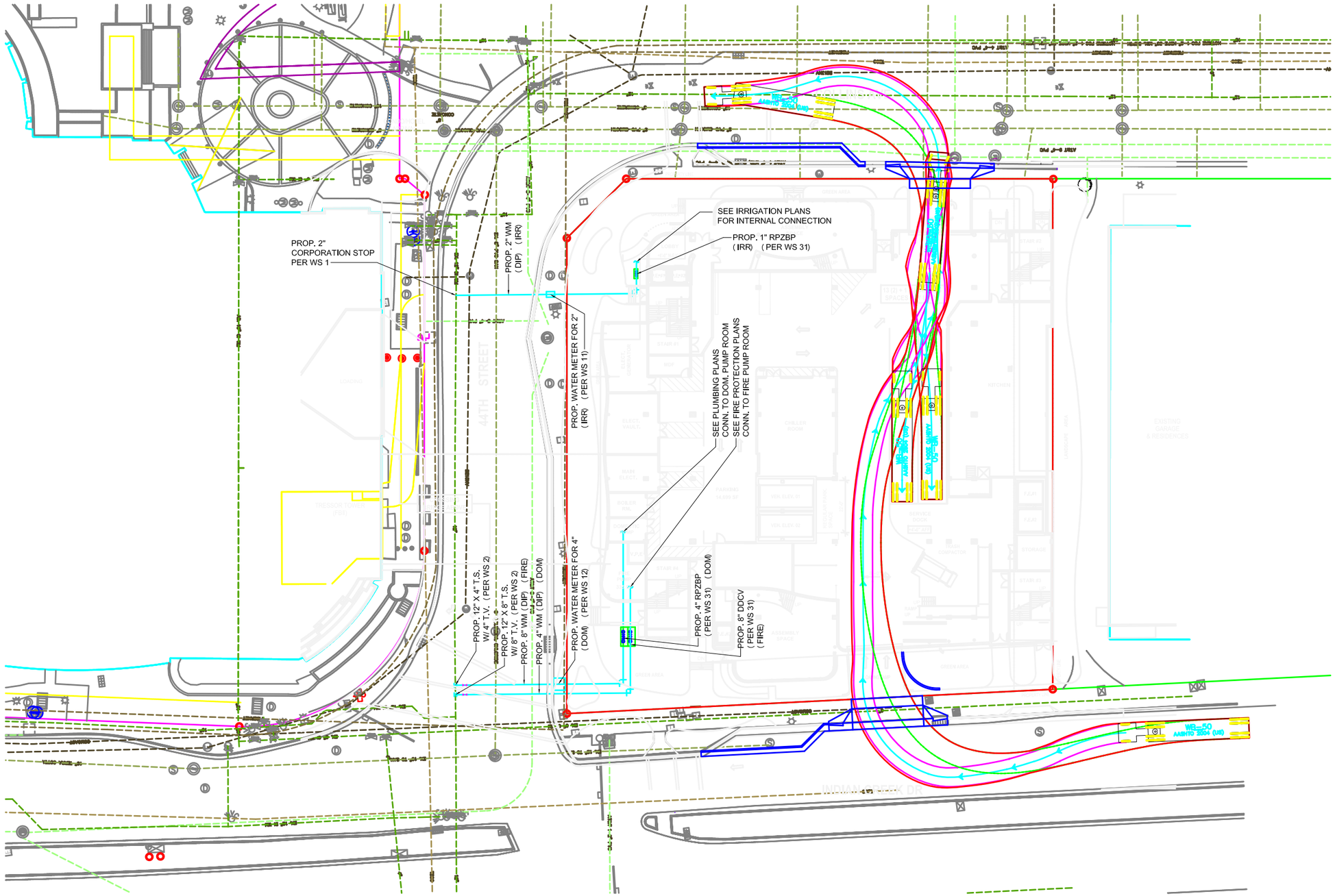

Total Vehicle Full Year
323,300
355,454
290,971
219,169
202,371
156,374
2013
2014
2015
2016
2017
2018


Vehicle Usage 2013 to 2019 by Month
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
January
February
March
April
May
June
July
August
September
October
November
December
Year
Data Type
2013 - Veh. Total
2014 - Veh. Total
2015 - Veh. Total
2016 - Veh. Total
2017 - Veh. Total
2018 - Veh. Total
2019 - Veh. Total

ATTACHMENT E

AutoTURN Analysis


7.50
42.50
3.00
35.50
0.00
3.00
12.50
WB-50
feet
Tractor Width : 8.00
Trailer Width : 8.50
Tractor Track : 8.00
Trailer Track : 8.50
Lock to Lock Time : 6.0
Steering Angle : 17.7
Articulating Angle : 70.0
COLLINS AVE.
WB-50 AASHTO 2004 (US)
CONDO/HOTEL ARRIVAL
LOADING
TRESSOR TOWER (FBII)
44TH STREET
CROSSING BRIDGE ABOVE
PROPERTY LINE
LANDSCAPE AREA
ADA RAMP
LOBBY
+8'-0" N.G.V.D.
P.E. 1
P.E. 2
ASSEMBLY SPACE
0' - 0"
+8'-0" N.G.V.D.
RAMP DOWN AT 15.0% SLOPE
10.0%
10.0%
DOMESTIC PUMP
FIRE PUMP
ELECT. GENERATOR
STAIR 1
MAIN ELECT.
ELECT. VAULT.
PARKING
17 PARKING SPACES TOTAL (7 HC SPACES)
P.E.
STAIR 4
ELEV.
ASSEMBLY SPACE
+8'-0" N.G.V.D.
ENTRANCE RAMP
SIDEWALK
LOADING DOCK
+ 4' - 0" A.F.F.
ADA RAMP UP
STAIR 2
CHILLER ROOM
F.E. 1
F.E. 2
RECEIVING OFFICE
STAIR 3
EXISTING GARAGE & RESIDENCES
INDIAN CREEK DR



1 A-701 WATER DISTRIBUTION PLAN
1" = 20'-0"

C:\Users\amatosfermin\Documents\PARKING & BALLROOM
11/13/2019 5:25:27 PM @nbww.com.rvt

NICHOLS BROSCH WURST WOLFE & ASSOCIATES, INC.
Architecture & Planning
161 Almeria Avenue
Coral Gables, FL 33134
(305) 443-5200
(305) 443-3168
AAC 000680

Todd Seymour
P.E. No. 52098

FONTAINEBLEAU GARAGE & BALLROOM EXPANSION
4441 COLLINS AVE, MIAMI BEACH, FLORIDA
DEVELOPED BY: FONTAINEBLEAU DEVELOPMENT

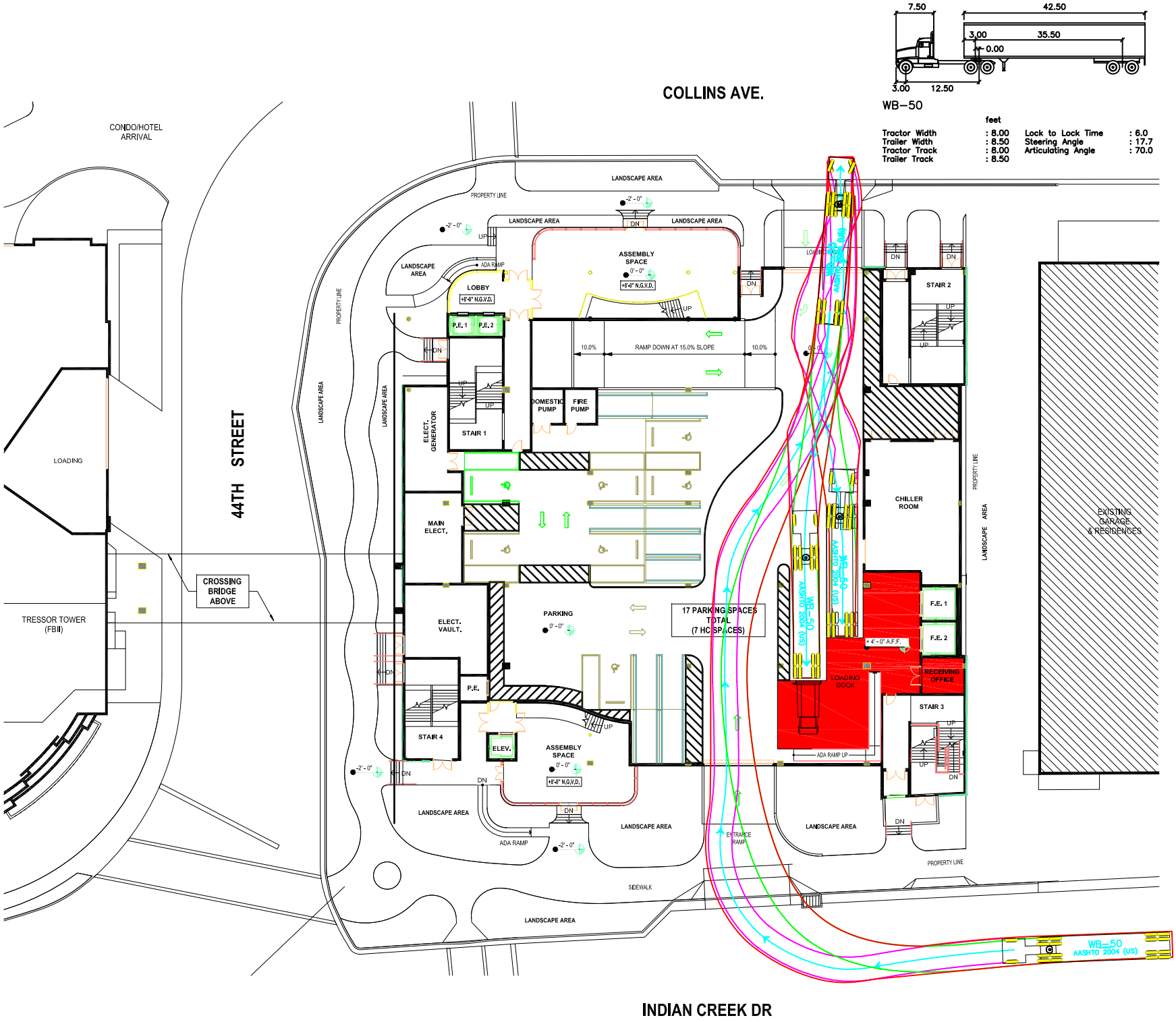
Revisions

#	Description	Date

DAVID PLUMMER & ASSOCIATES
1750 PONCE DE LEON
CORAL GABLES, FL 33134
(305) 447-0990
http://www.dplummer.com
CERTIFICATE
EB 2690

19012

C-701


COLLINS AVE.
WB-50
feet
Tractor Width : 8.00
Trailer Width : 8.50
Tractor Track : 8.00
Trailer Track : 8.50
Lock to Lock Time : 6.0
Steering Angle : 17.7
Articulating Angle : 70.0
7.50
42.50
3.00
35.50
0.00
3.00
12.50
CONDO/HOTEL ARRIVAL
LOADING
TRESSOR TOWER (FBII)
CROSSING BRIDGE ABOVE
44TH STREET
PROPERTY LINE
LANDSCAPE AREA
LOBBY
+8'-0" N.G.V.D.
ADA RAMP
ASSEMBLY SPACE
0' - 0"
+8'-0" N.G.V.D.
P.E. 1
P.E. 2
RAMP DOWN AT 15.0% SLOPE
10.0%
ELECT. GENERATOR
STAIR 1
DOMESTIC PUMP
FIRE PUMP
MAIN ELECT.
ELECT. VAULT.
PARKING
17 PARKING SPACES TOTAL (7 HC SPACES)
P.E.
STAIR 4
ELEV.
ASSEMBLY SPACE
+8'-0" N.G.V.D.
ADA RAMP
ENTRANCE RAMP
SIDEWALK
STAIR 2
CHILLER ROOM
F.E. 1
F.E. 2
+ 4' - 0" A.F.F.
RECEIVING OFFICE
LOADING DOCK
STAIR 3
ADA RAMP UP
EXISTING GARAGE & RESIDENCES
WB-50 AASHTO 2004 (US)
INDIAN CREEK DR

ATTACHMENT F

Transit

103 Route C
- Weekday (Northbound)

Map

COLLINS AV 43 ST

6:37 AM
Dest: C- Mt Sinai

7:08 AM
Dest: C- Mt Sinai

7:39 AM
Dest: C- Mt Sinai

8:10 AM
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8:40 AM
Dest: C- Mt Sinai

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10:13 AM
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11:13 AM
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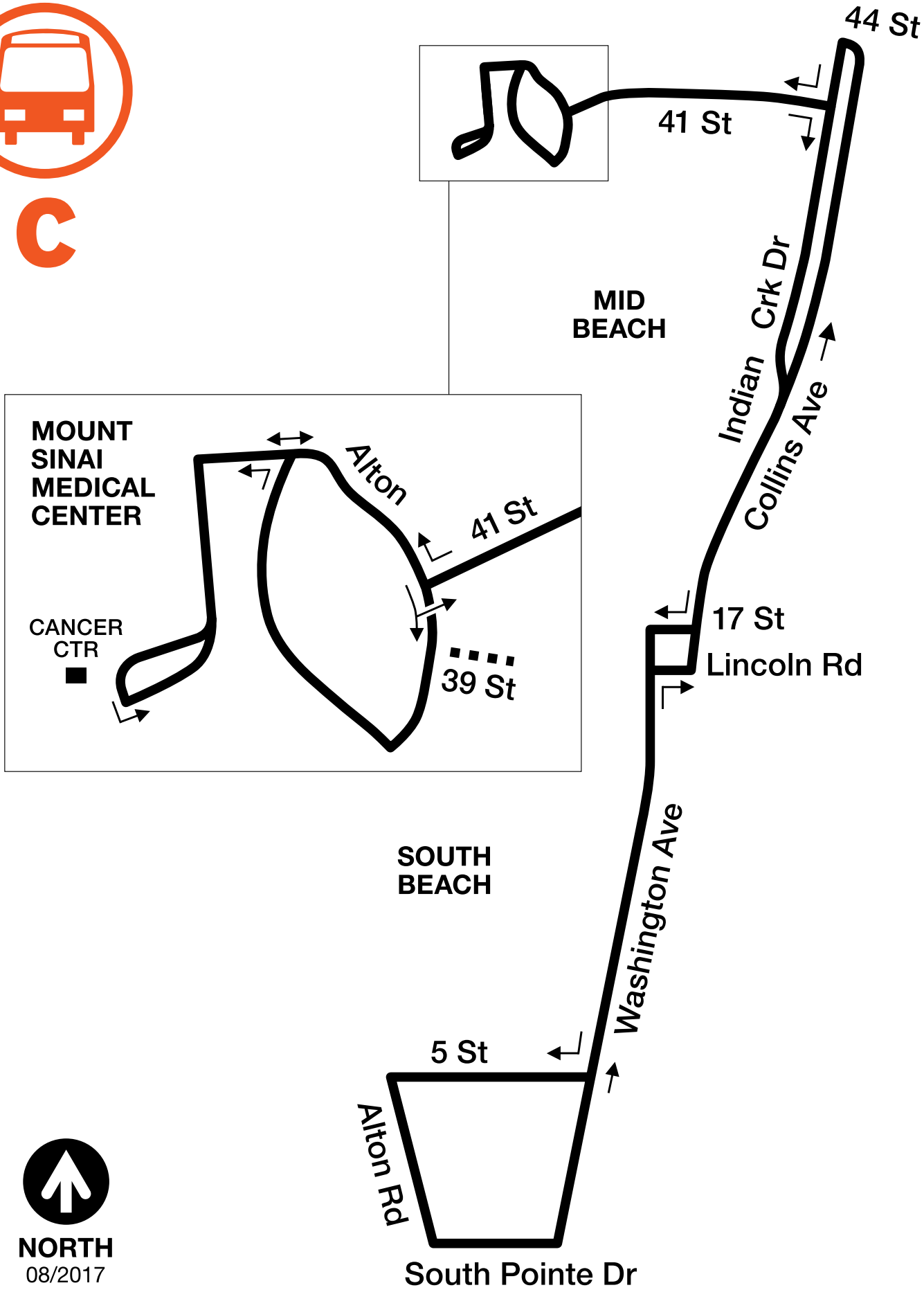
10:24 PM
Dest: C- Mt Sinai

MIAMI-DADE COUNTY

view full web site

C


44 St
41 St
MID
BEACH
Indian Crk Dr
Collins Ave
MOUNT
SINAI
MEDICAL
CENTER
Alton
41 St
CANCER
CTR
39 St
17 St
Lincoln Rd
SOUTH
BEACH
Washington Ave
5 St
Alton Rd
South Pointe Dr
NORTH
08/2017

110 Route J
- Weekday (Eastbound)
COLLINS AV 43 ST

Map

5:02 AM
Dest: J - Beach / 41 St

5:53 AM
Dest: J - Beach / 41 St

6:33 AM
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6:55 AM
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7:14 AM
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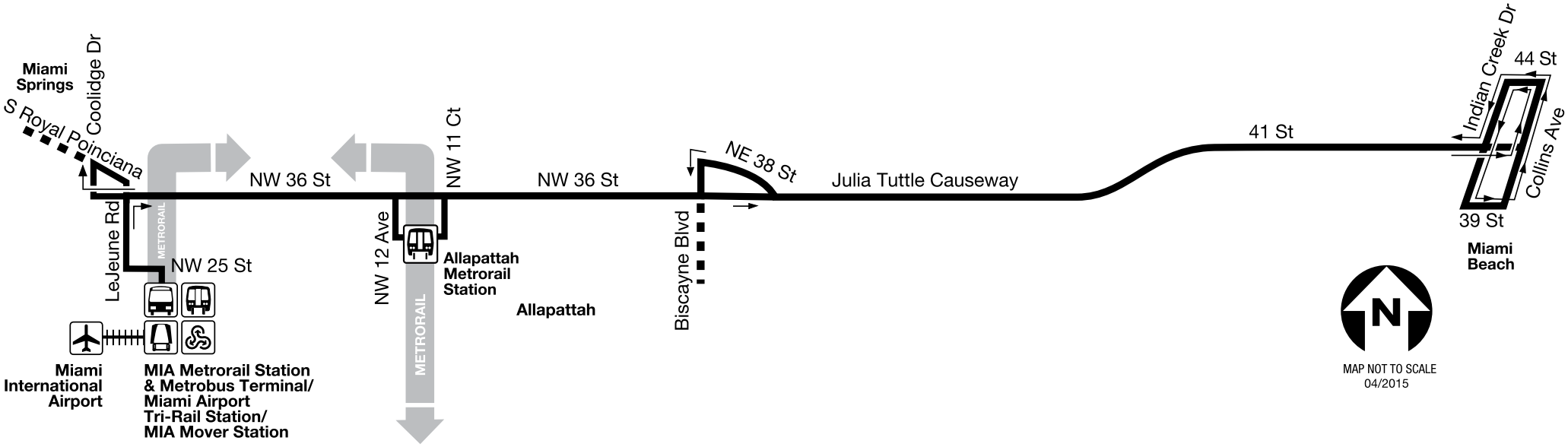
12:48 AM
Dest: J - Beach / 41 St

MIAMI-DADE COUNTY

view full web site

Route J


Miami Springs
Coolidge Dr
S Royal Poinciana
LeJeune Rd
METRORAIL
NW 25 St
Miami International Airport
MIA Metrorail Station & Metrobus Terminal/ Miami Airport Tri-Rail Station/ MIA Mover Station
NW 36 St
NW 11 Ct
NW 12 Ave
METRORAIL
Allapattah Metrorail Station
Allapattah
NW 36 St
NE 38 St
Biscayne Blvd
Julia Tuttle Causeway
41 St
Indian Creek Dr
44 St
Collins Ave
39 St
Miami Beach
N
MAP NOT TO SCALE
04/2015

112 Route L
- Weekday (Eastbound)
COLLINS AV 4500 BLK

Map

5:36 AM
Dest: L - Lincoln Road

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12:02 AM
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1:14 AM
Dest: L - Lincoln Road

2:14 AM
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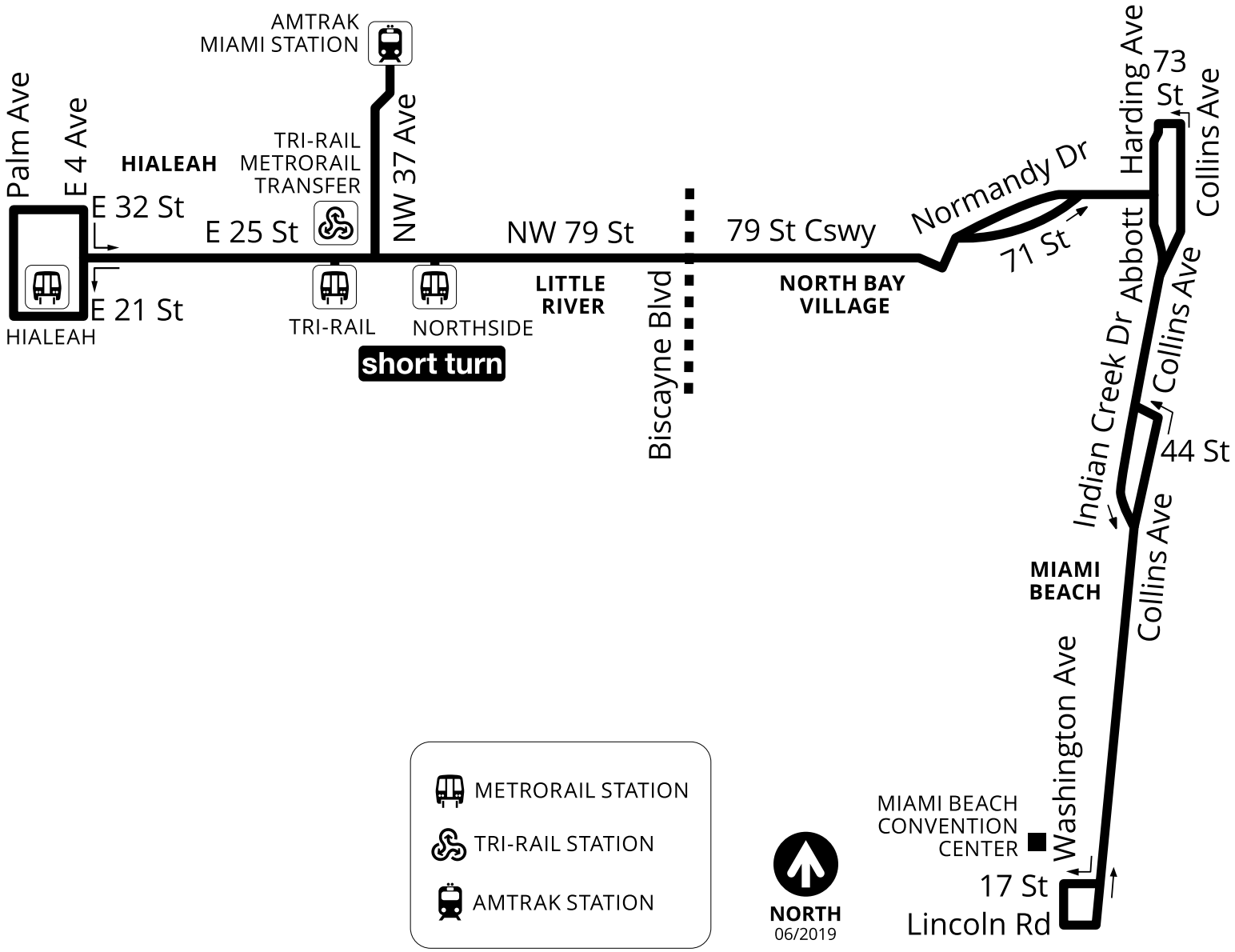
AMTRAK
MIAMI STATION
Palm Ave
E 4 Ave
HIALEAH
TRI-RAIL
METRORAIL
TRANSFER
NW 37 Ave
E 32 St
E 25 St
NW 79 St
79 St Cswy
Normandy Dr
Harding Ave
73 St
Collins Ave
71 St
Abbott
E 21 St
HIALEAH
TRI-RAIL
NORTHSIDE
short turn
LITTLE
RIVER
Biscayne Blvd
NORTH BAY
VILLAGE
Indian Creek Dr
Collins Ave
44 St
MIAMI
BEACH
Collins Ave
Washington Ave
MIAMI BEACH
CONVENTION
CENTER
17 St
Lincoln Rd
METRORAIL STATION
TRI-RAIL STATION
AMTRAK STATION
NORTH
06/2019

113 Route M
- Weekday (Eastbound)

Map

COLLINS AV 43 ST

6:34 AM
Dest: M - Mt Sinai Hospital

7:19 AM
Dest: M - Mt Sinai Hospital

7:58 AM
Dest: M - Mt Sinai Hospital

8:50 AM
Dest: M - Mt Sinai Hospital

9:36 AM
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10:22 AM
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11:02 AM
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12:02 PM (27 min)
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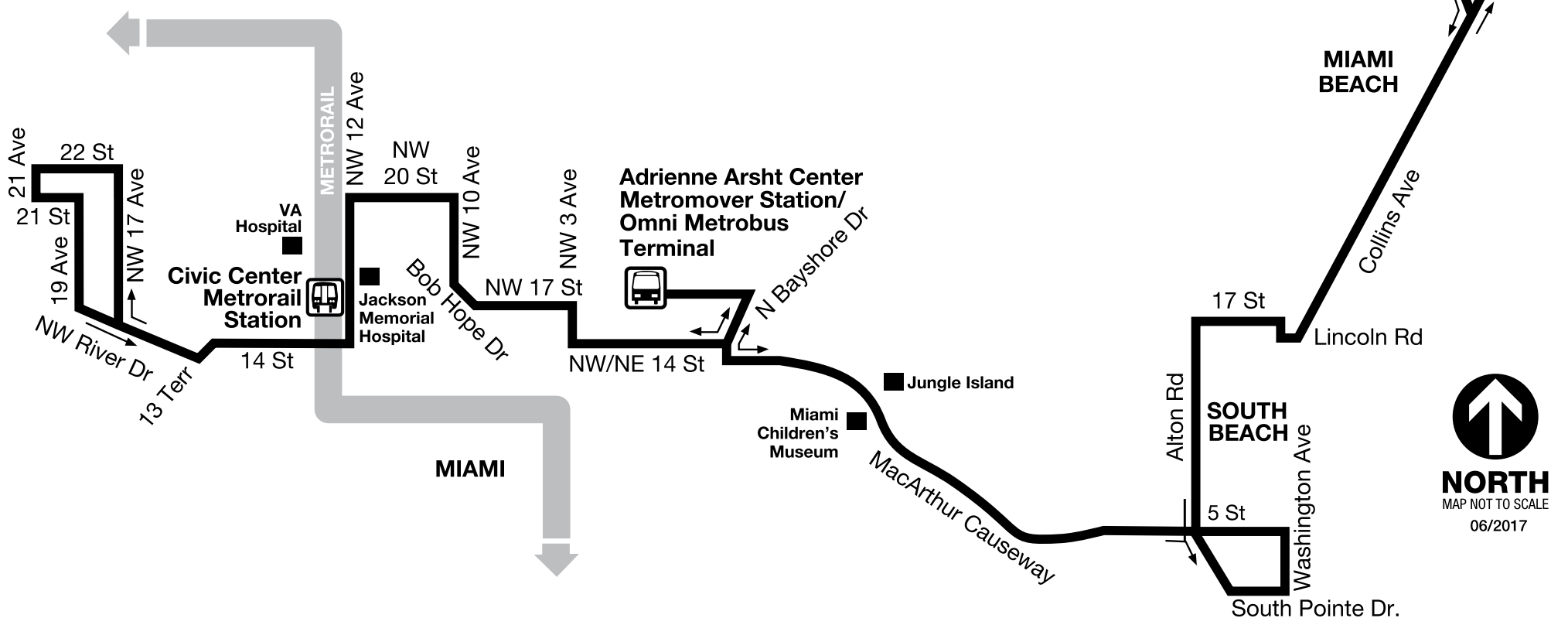
Dest: M - Mt Sinai Hospital

M



www.miamidade.gov/transit DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

@GoMiamiDade MDT TRACKER | EASY PAY MIAMI | MDT TRANSIT WATCH

INFORMATION:INFORMACION:ENFOMASYON
311 OR 305.468.5900 (TDD: 305.468.5402)

MIAMI-DADE COUNTY

19 Route S
- Weekday (Northbound)
COLLINS AV # 4441(FONTAINEBLEAU)

Map

5:34 AM
Dest: S - Aventura Mall

5:58 AM
Dest: S - Aventura Mall

6:13 AM
Dest: S - Aventura Mall

6:27 AM
Dest: S - Aventura Mall

6:42 AM
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9:08 AM
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10:13 AM
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10:28 AM
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10:43 AM
Dest: S - Aventura Mall

10:58 AM
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11:13 AM
Dest: S - Aventura Mall

11:28 AM
Dest: S - Aventura Mall

11:43 AM (5 min)
Dest: S - Aventura Mall

11:58 AM
Dest: S - Aventura Mall

12:13 PM
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12:22 AM
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12:50 AM
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1:20 AM
Dest: S - Aventura Mall

1:50 AM
Dest: S - Aventura Mall

2:50 AM
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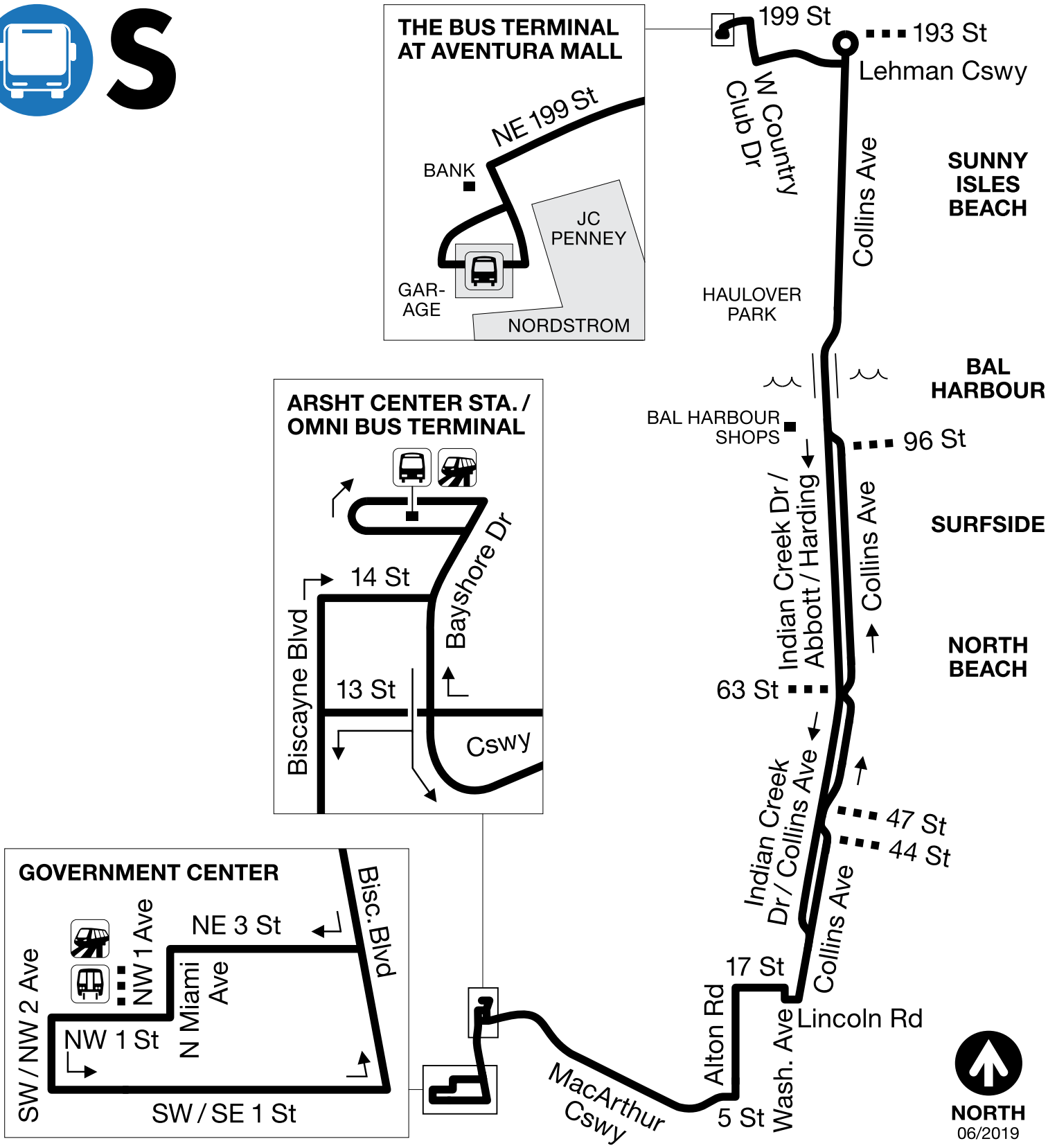
3:50 AM
Dest: S - Aventura Mall

4:50 AM
Dest: S - Aventura Mall

S



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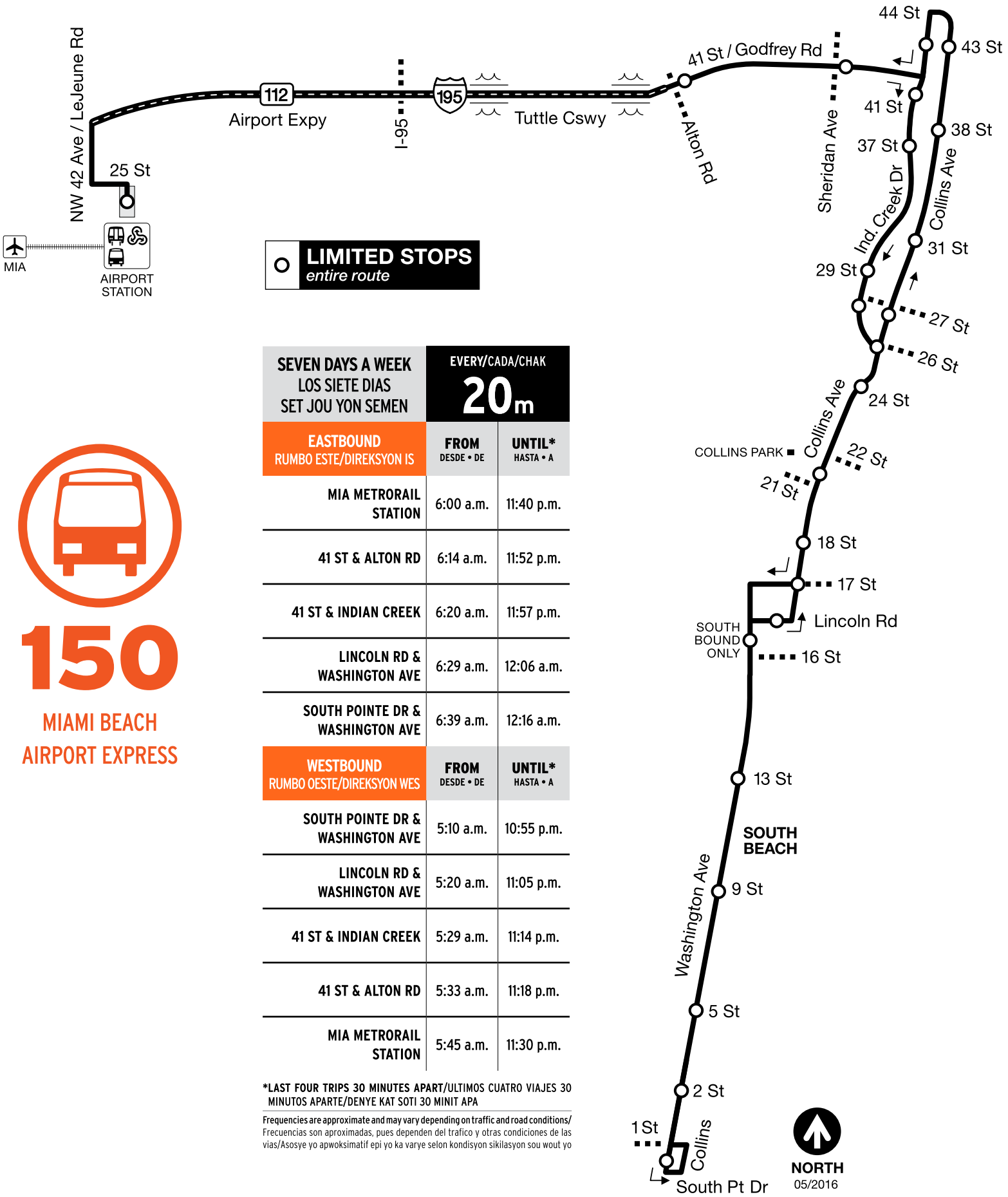
www.miamidade.gov/transit | 311 or 305.468.5900 TTY/Fla Relay: 711

MIAMI-DADE COUNTY



LIMITED STOPS
entire route

150

MIAMI BEACH AIRPORT EXPRESS

SEVEN DAYS A WEEK LOS SIETE DIAS SET JOU YON SEMEN	EVERY/CADA/CHAK 20m	
EASTBOUND RUMBO ESTE/DIREKSYON IS	**FROM** DESDE • DE	**UNTIL*** HASTA • A
MIA METRORAIL STATION	6:00 a.m.	11:40 p.m.
41 ST & ALTON RD	6:14 a.m.	11:52 p.m.
41 ST & INDIAN CREEK	6:20 a.m.	11:57 p.m.
LINCOLN RD & WASHINGTON AVE	6:29 a.m.	12:06 a.m.
SOUTH POINTE DR & WASHINGTON AVE	6:39 a.m.	12:16 a.m.
WESTBOUND RUMBO OESTE/DIREKSYON WES	**FROM** DESDE • DE	**UNTIL*** HASTA • A
SOUTH POINTE DR & WASHINGTON AVE	5:10 a.m.	10:55 p.m.
LINCOLN RD & WASHINGTON AVE	5:20 a.m.	11:05 p.m.
41 ST & INDIAN CREEK	5:29 a.m.	11:14 p.m.
41 ST & ALTON RD	5:33 a.m.	11:18 p.m.
MIA METRORAIL STATION	5:45 a.m.	11:30 p.m.

***LAST FOUR TRIPS 30 MINUTES APART**/ULTIMOS CUATRO VIAJES 30 MINUTOS APARTE/DENYE KAT SOTI 30 MINIT APA

Frequencies are approximate and may vary depending on traffic and road conditions/ Frecuencias son aproximadas, pues dependen del trafico y otras condiciones de las vias/Asosye yo apwoksimatif epi yo ka varye selon kondisyon sikilasyon sou wout yo

COLLINS EXPRESS

MIDDLE BEACH LOOP

MIAMIBEACH TROLLEY

LEGEND

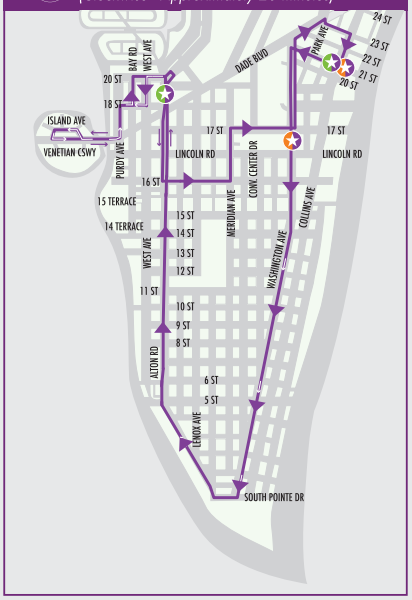
- NORTH BEACH LOOP
- COLLINS EXPRESS
- MIDDLE BEACH LOOP
- SOUTH BEACH LOOPS

TRANSFER POINTS

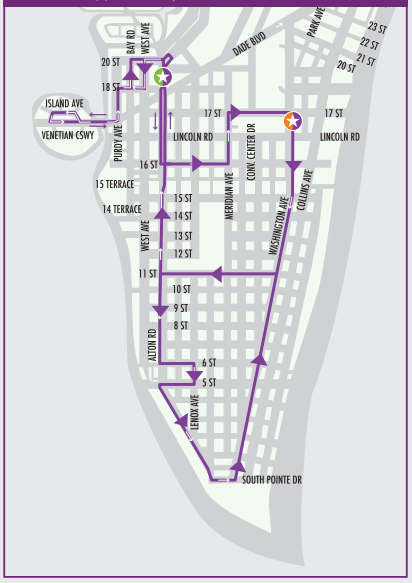
- NORTH BEACH LOOP ★ COLLINS EXPRESS
- COLLINS EXPRESS ★ MIDDLE BEACH LOOP
- MIDDLE BEACH LOOP ★ SOUTH BEACH LOOPS
- COLLINS EXPRESS ★ SOUTH BEACH LOOPS

See detailed route maps for South Beach Loops ▶

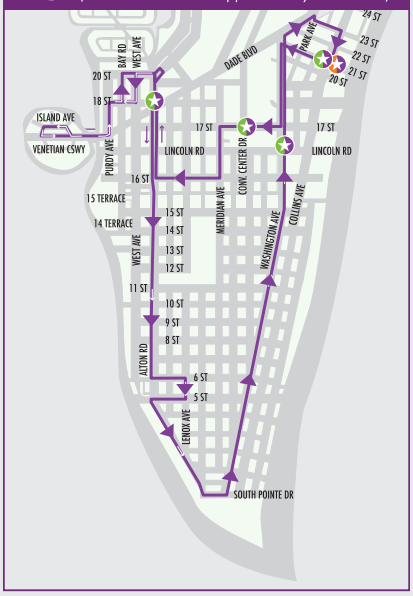
SOUTH BEACH LOOP - A
(Clockwise - Approximately 20 minutes)



SOUTH BEACH LOOP - VIA 11 ST
(Approximately 40 minutes)



SOUTH BEACH LOOP - B
(Counter Clockwise - Approximately 20 minutes)



ATTACHMENT G

Queuing

Grand Beach Hotel

Date: July 20,2011
Observer: J. Espinosa (DPA)

Vehicle	In	Out	Type	Arrival Time	Processing Time	Notes
1		X	Car	8:34 AM	0:00:37	Valet Return
2		X	Car	8:35 AM	0:01:06	Valet Return
3		X	Car	8:36 AM	0:00:25	Valet Return
4		X	Car	8:36 AM	0:00:38	Pick Up (Personal)
5	X		Car	8:41 AM	0:00:18	Guest In
6		X	Car	8:45 AM	0:00:30	Valet Return
7	X		Car	8:52 AM	0:01:17	Check In
8		X	Car	9:02 AM	0:01:46	Check Out
9	X		Car	9:04 AM	0:01:01	Check In
10	X		Car	9:05 AM	0:00:51	Check In
11		X	Van	9:06 AM	0:00:32	Tour
12		X	Taxi	9:09 AM	0:00:26	Guest Out
13	X		Car	9:09 AM	0:02:34	Check In
14		X	Car	9:10 AM	0:00:26	Valet Return
15		X	Car	9:11 AM	0:00:37	Valet Return
16	X		Car	9:14 AM	0:00:28	Guest In
17		X	Car	9:14 AM	0:00:22	Valet Return
18	X		Car	9:18 AM	0:01:02	Check In
19		X	Car	9:18 AM	0:00:36	Valet Return
20		X	Taxi	9:21 AM	0:00:22	Guest Out
21		X	Car	9:21 AM	0:01:26	Check Out
22		X	Car	9:22 AM	0:00:44	Valet Return
23	X		Car	9:25 AM	0:01:21	Check In
24		X	Car	9:25 AM	0:01:06	Valet Return
25		X	Car	9:26 AM	0:00:23	Valet Return
26		X	Car	9:28 AM	0:00:25	Valet Return
27		X	Car	9:29 AM	0:00:22	Valet Return
28		X	Car	9:29 AM	0:00:21	Valet Return
29		X	Car	9:34 AM	0:00:46	Valet Return
30	X		Car	9:38 AM	0:01:04	Check In
31		X	Car	9:38 AM	0:00:36	Valet Return
32		X	Car	9:39 AM	0:00:21	Valet Return
33		X	Car	9:41 AM	0:00:34	Guest Out
34		X	Car	9:43 AM	0:00:14	Valet Return
35		X	Car	9:45 AM	0:02:04	Check Out
36	X		Car	9:45 AM	0:01:20	Check In
37		X	Taxi	9:48 AM	0:00:48	Check Out
38		X	Car	9:49 AM	0:00:26	Guest Out
39		X	Car	9:49 AM	0:00:48	Valet Return
40	X		Car	9:51 AM	0:00:37	Check In
41		X	Car	9:51 AM	0:00:30	Valet Return
42		X	Car	9:57 AM	0:00:28	Valet Return
43		X	Car	9:58 AM	0:01:22	Check Out
44		X	Car	10:02 AM	0:00:32	Valet Return
45		X	Car	10:03 AM	0:00:35	Valet Return
46		X	Van	10:04 AM	0:00:46	Valet Return
47	X		Car	10:06 AM	0:00:39	Check In
48		X	Car	10:08 AM	0:01:58	Check Out
49		X	Taxi	10:08 AM	0:01:48	Check Out
50		X	Car	10:09 AM	0:00:41	Valet Return
51		X	Car	10:10 AM	0:00:44	Valet Return
52		X	Car	10:12 AM	0:00:26	Valet Return
53	X		Taxi	10:13 AM	0:00:42	Check In
54		X	Taxi	10:14 AM	0:02:21	Check Out
55			Taxi	10:16 AM	0:01:48	Check Out
56		X	Car	10:18 AM	0:00:37	Valet Return
57		X	Car	10:18 AM	0:00:56	Valet Return
58	X		Car	10:20 AM	0:00:40	Guest In
59		X	Car	10:24 AM	0:00:57	Valet Return

Total Processing Time: **0:50:10**
Average Processing Time: **0:00:51**

Shops at Merrick Park
Aurora Parking Garage

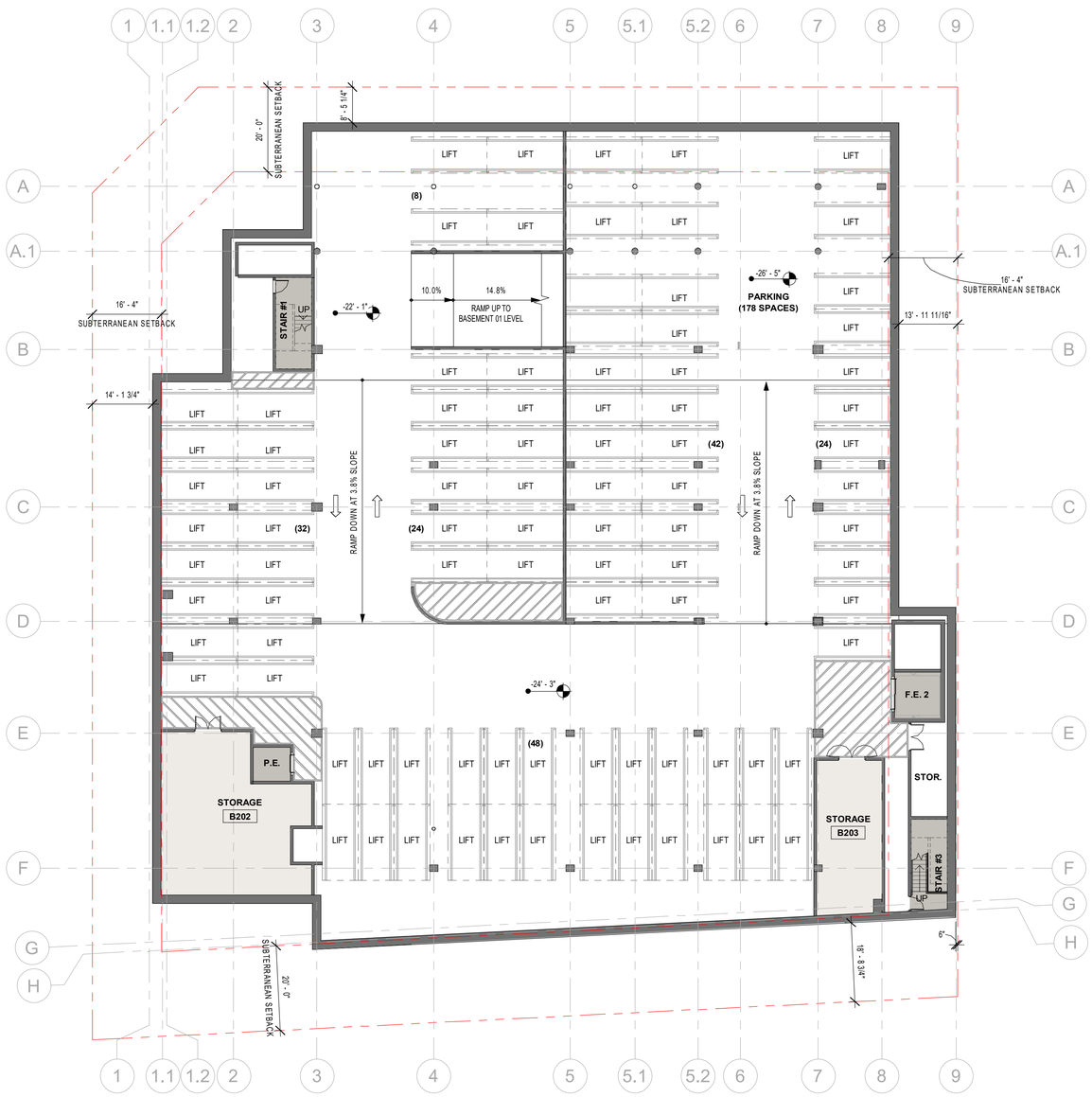
Garage Entrance Processing Time

Date: 2-May-17
Time: 5 - 6 pm

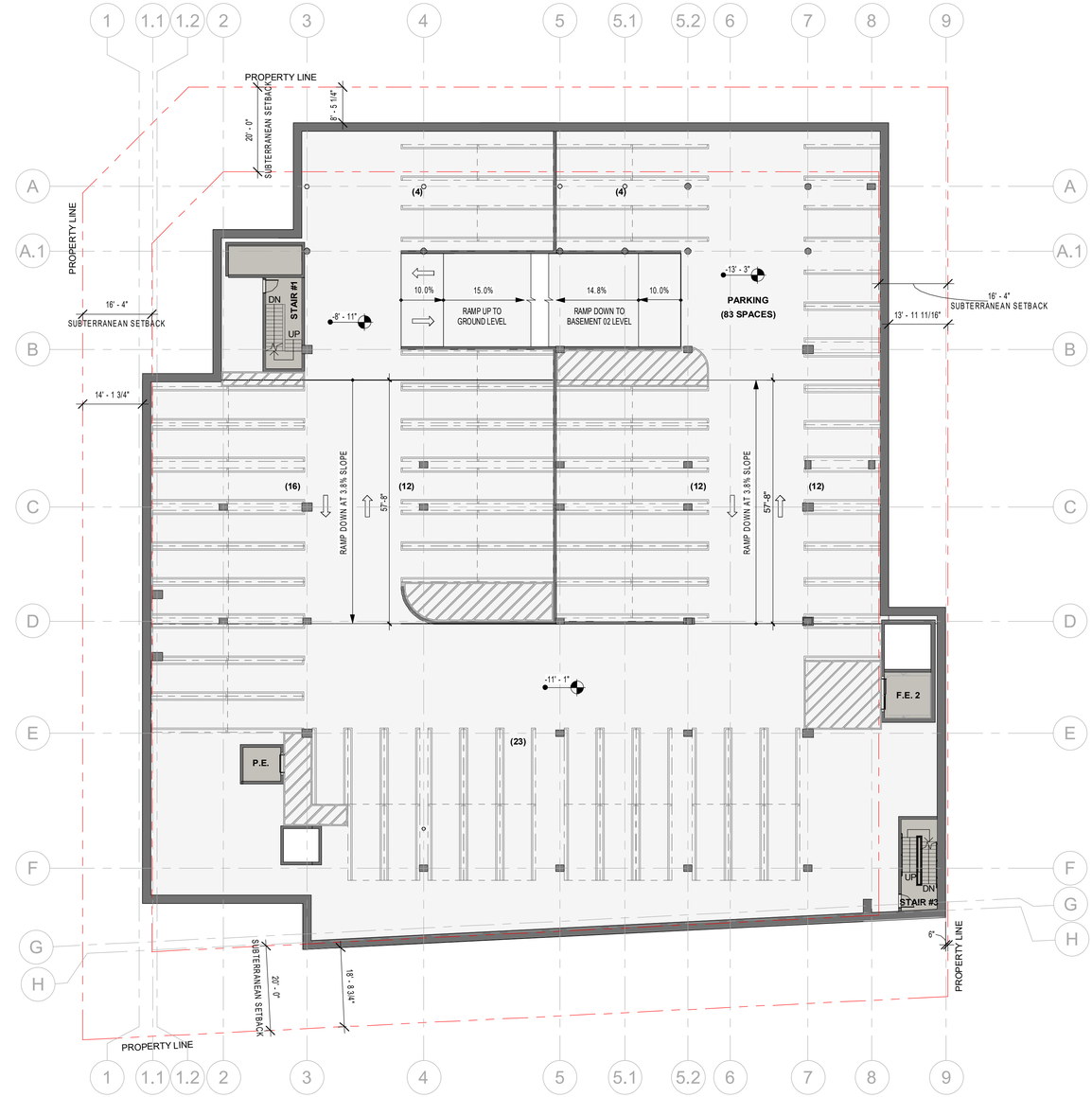
Car	Processing Time (sec)	Transaction Type	Car	Processing Time (sec)	Transaction Type
1	6.32	T	21	6.92	T
2	9.57	T	22	6.27	T
3	7.47	T	23	6.58	T
4	6.18	T	24	6.16	T
5	8.54	T	25	4.64	C
6	6.61	C	26	3.84	C
7	4.2	C	27	3.43	C
8	6.6	T	28	7.18	C
9	10.66	T	29	3.74	C
10	9.94	T	30	7.23	T
11	4.77	C	31	3.2	C
12	6.51	T	32	3.11	C
13	6.33	T	33	7.17	T
14	5.4	T	34	9.4	T
15	6.28	T	35	5.84	C
16	3.24	C	36	3.57	C
17	3.37	C			
18	7.97	T			
19	3.04	C			
20	6.07	T			

T= Ticket Dispenser
C= Card Reader

Ticket Dispenser Average	7.31	sec
Card Reader Average	4.25	sec
Combined Average	6.04	sec



1 A1.00 BASEMENT LEVEL 2 - FLOOR PLAN
1/16" = 1'-0"



2 A1.00 BASEMENT LEVEL 1 - FLOOR PLAN
1/16" = 1'-0"

0 8'-0" 16'-0" 32'-0"
SCALE: 1/16" = 1'-0"

NICHOLS BROSCH WURST WOLFE & ASSOCIATES, INC.

DON WOLFE
ARCHTIECT
AR000000

FB GARAGE & BALLROOM EXPANSION

4441 COLLINS AVE. MIAMI BEACH, FLORIDA

A1.00

Issue Date

location, a 5% probability of back-up onto the adjacent street is judged to be acceptable. Demand on the system for design is expected to be 110 vehicles in a 45-minute period. Average service time was expected to be 2.2 minutes. Is the queue storage adequate?

Such problems can be quickly solved using Equation (8–9b) given in Table 8-10 and repeated below for convenience.

$$M = \left[\frac{\ln P(x > M) - \ln Q_M}{\ln \rho}\right] - 1$$

where:

M = queue length which is exceeded p percent of the time

N = number of service channels (drive-in positions)

Q = service rate per channel (vehicles per hour)

$\rho = \dfrac{\text{demand rate}}{\text{service rate}} = \dfrac{q}{NQ}$ = utilization factor

q = demand rate on the system (vehicles per hour)

Q_M = tabled values of the relationship between queue length, number of channels, and utilization factor (see Table 8.11)

TABLE 8-11

Table of Q_M Values

ρ	$N = 1$	2	3	4	6	8	10
0.0	0.0000	0.0000	0.0000	0.0000			
0.1	.1000	.0182	.0037	.0008	.0000	0.0000	0.0000
.2	.2000	.0666	.0247	.0096	.0015	.0002	.0000
.3	.3000	.1385	.0700	.0370	.0111	.0036	.0011
.4	.4000	.2286	.1411	.0907	.0400	.0185	.0088
.5	.5000	.3333	.2368	.1739	.0991	.0591	.0360
.6	.6000	.4501	.3548	.2870	.1965	.1395	.1013
.7	.7000	.5766	.4923	.4286	.3359	.2706	.2218
.8	.8000	.7111	.6472	.5964	.5178	.4576	.4093
.9	.9000	.8526	.8172	.7878	.7401	.7014	.6687
1.0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

$\rho = \dfrac{q}{NQ} = \dfrac{\text{arrival rate, total}}{\text{(number of channels)(service rate per channel)}}$

N = number of channels (service positions)

Solution

Step 1: $Q = \dfrac{60 \text{ min/hr}}{2.2 \text{ min/service}} = 27.3$ services per hour

Step 2: $q = (110 \text{ veh}/45 \text{ min}) \times (60 \text{ min/hr}) = 146.7$ vehicles per hour

Step 3: $\rho = \dfrac{q}{NQ} = \dfrac{146.7}{(6)(27.3)} = 0.8956$

Step 4: $Q_M = 0.7303$ by interpolation between 0.8 and 0.9 for $N = 6$ from the table of Q_M values (see Table 8-11).

Step 5: The acceptable probability of the queue, M, being longer than the storage, 18 spaces in this example, was stated to be 5%. $P(x > M) = 0.05$, and:

$$M = \left[\frac{\ln 0.05 - \ln 0.7303}{\ln 0.8956}\right] - 1 = \left[\frac{-2.996 - (-0.314)}{-0.110}\right] - 1$$

$$= 24.38 - 1 = 23.38, \text{ say 23 vehicles.}$$

Ground Level	17	self park temp short term/non-shift						
B1	83	self park - attendant/valet assist						
B2 (employee)	133	valet park (90 surface spaces + 45 stacker)						
B2 (long term guest)	45							
	278							
			South Lot Current (spaces under current use)			Post Construction (below grade employee)		
			148			216	1.46	68
AM/PM Shifts (6am - 10pm)								
	Condo		5			7		
	Bleau Bar		3			4		
	Banquets		45			66		
	Concierge		1			1		
	Engineering		11			16		
	Finance		8			12		
	Bell Services		11			16		
	Pool		8			12		
	Restaurant		31			45		
	Housekeeping		47			69		
	Room Services		12			18		
	Internal Maint.		2			3		
	Reservations		2			3		
	Retail		3			4		
	Sales		1			1		
	Salon		2			3		
	Security		1			1		
	Spa		3			4		
	PBX		1			1		
	Warehouse		3			4		
			200	1.35		292	1.35	92
Shift Breakdown			Current			Post		
	7am - 3:30pm		38			55		
	8am - 4:30pm		58			85		
	9am - 5:30pm		25			36		
	10am - 6:30pm		15			22		
	11am - 7:30pm		13			19		
	3pm - 11:30pm		32			47		
	4pm - 12:30am		14			20		
	5pm - 1:30am		5			7		
			200			292		92

DRAFT

Queuing Analysis

19185	Fontainebleau Hotel Ballroom & Parking Garage	2/14/2020

Existing Fontainebleau Hotel Arrival (AM)

1		LookUp		
Veh/hr	8	N	RHO	
%	100%	2		
time (min)	3.69			0
N	2		{ 0 - 0.1 }	
Qm	0.0994	Qm		0.1
Lanes	1		{ 0.1 - 0.2 }	
				0.2
Q	16.25616	0.09939	{ 0.2 - 0.3 }	0.2461
				0.3
q	8		{ 0.3 - 0.4 }	
				0.4
rho	0.246061		{ 0.4 - 0.5 }	
				0.5
M	-0.51		{ 0.5 - 0.6 }	
				0.6
			{ 0.6 - 0.7 }	
				0.7
			{ 0.7 - 0.8 }	
				0.8
			{ 0.8 - 0.9 }	
				0.9
			{ 0.9 - 1.0 }	
				1

Existing Fontainebleau Hotel Deparure (AM)

2		LookUp		
Veh/hr	18	N	RHO	
%	100%	2		
time (min)	2.98			0
N	2		{ 0 - 0.1 }	
Qm	0.2779	Qm		0.1
Lanes	1		{ 0.1 - 0.2 }	
				0.2
Q	20.12962		{ 0.2 - 0.3 }	
				0.3
q	18		{ 0.3 - 0.4 }	
				0.4
rho	0.447102	0.27792	{ 0.4 - 0.5 }	0.4471
				0.5
M	1.13089		{ 0.5 - 0.6 }	
				0.6
			{ 0.6 - 0.7 }	
				0.7
			{ 0.7 - 0.8 }	
				0.8
			{ 0.8 - 0.9 }	
				0.9
			{ 0.9 - 1.0 }	
				1

Future Fontainebleau Hotel Arrival (AM)

1		LookUp		
Veh/hr	13	N	RHO	
%	100%	2		
time (min)	3.69			0
N	2		{ 0 - 0.1 }	
Qm	0.2285	Qm		0.1
Lanes	1		{ 0.1 - 0.2 }	
				0.2
Q	16.25616		{ 0.2 - 0.3 }	
				0.3
q	13	0.22846	{ 0.3 - 0.4 }	0.39985
				0.4
rho	0.399848		{ 0.4 - 0.5 }	
				0.5
M	0.65747		{ 0.5 - 0.6 }	
				0.6
			{ 0.6 - 0.7 }	
				0.7
			{ 0.7 - 0.8 }	
				0.8
			{ 0.8 - 0.9 }	
				0.9
			{ 0.9 - 1.0 }	
				1

Future Fontainebleau Hotel Deparure (AM)

2		LookUp		
Veh/hr	19	N	RHO	
%	100%	2		
time (min)	2.98			0
N	2		{ 0 - 0.1 }	
Qm	0.3039	Qm		0.1
Lanes	1		{ 0.1 - 0.2 }	
				0.2
Q	20.12962		{ 0.2 - 0.3 }	
				0.3
q	19		{ 0.3 - 0.4 }	
				0.4
rho	0.471941	0.30392	{ 0.4 - 0.5 }	0.47194
				0.5
M	1.40345		{ 0.5 - 0.6 }	
				0.6
			{ 0.6 - 0.7 }	
				0.7
			{ 0.7 - 0.8 }	
				0.8
			{ 0.8 - 0.9 }	
				0.9
			{ 0.9 - 1.0 }	
				1

Existing Fontainebleau Hotel Arrival (PM)

1		LookUp		
Veh/hr	33	N	RHO	
%	100%	4		
time (min)	3.69			0
N	4		{ 0 - 0.1 }	
Qm	0.1824	Qm		0.1
Lanes	1		{ 0.1 - 0.2 }	
				0.2
Q	16.25616		{ 0.2 - 0.3 }	
				0.3
q	33		{ 0.3 - 0.4 }	
				0.4
rho	0.5075		{ 0.4 - 0.5 }	
				0.5
M	0.90795	0.18238	{ 0.5 - 0.6 }	0.5075
				0.6
			{ 0.6 - 0.7 }	
				0.7
			{ 0.7 - 0.8 }	
				0.8
			{ 0.8 - 0.9 }	
				0.9
			{ 0.9 - 1.0 }	
				1

Existing Fontainebleau Hotel Deparure (PM)

1		LookUp		
Veh/hr	35	N	RHO	
%	100%	4		
time (min)	2.98			0
N	4		{ 0 - 0.1 }	
Qm	0.1196	Qm		0.1
Lanes	1		{ 0.1 - 0.2 }	
				0.2
Q	20.12962		{ 0.2 - 0.3 }	
				0.3
q	35		{ 0.3 - 0.4 }	
				0.4
rho	0.434683	0.11956	{ 0.4 - 0.5 }	0.43468
				0.5
M	0.04636		{ 0.5 - 0.6 }	
				0.6
			{ 0.6 - 0.7 }	
				0.7
			{ 0.7 - 0.8 }	
				0.8
			{ 0.8 - 0.9 }	
				0.9
			{ 0.9 - 1.0 }	
				1

Future Fontainebleau Hotel Arrival (PM)

3		LookUp		
Veh/hr	35	N	RHO	
%	100%	4		
time (min)	3.69			0
N	4		{ 0 - 0.1 }	
Qm	0.2172	Qm		0.1
Lanes	1		{ 0.1 - 0.2 }	
				0.2
Q	16.25616		{ 0.2 - 0.3 }	
				0.3
q	35		{ 0.3 - 0.4 }	
				0.4
rho	0.538258		{ 0.4 - 0.5 }	
				0.5
M	1.37102	0.21717	{ 0.5 - 0.6 }	0.53826
				0.6
			{ 0.6 - 0.7 }	
				0.7
			{ 0.7 - 0.8 }	
				0.8
			{ 0.8 - 0.9 }	
				0.9
			{ 0.9 - 1.0 }	
				1

Future Fontainebleau Hotel Deparure (PM)

4		LookUp		
Veh/hr	39	N	RHO	
%	100%	4		
time (min)	2.98			0
N	4		{ 0 - 0.1 }	
Qm	0.1609	Qm		0.1
Lanes	1		{ 0.1 - 0.2 }	
				0.2
Q	20.12962		{ 0.2 - 0.3 }	
				0.3
q	39		{ 0.3 - 0.4 }	
				0.4
rho	0.484361	0.16089	{ 0.4 - 0.5 }	0.48436
				0.5
M	0.61215		{ 0.5 - 0.6 }	
				0.6
			{ 0.6 - 0.7 }	
				0.7
			{ 0.7 - 0.8 }	
				0.8
			{ 0.8 - 0.9 }	
				0.9
			{ 0.9 - 1.0 }	
				1

Valet Time Main Fontainebleau Hotel (Arrival) Garage Parking Space

					Minutes
Processing time **:**	51 seconds	0.0167 min/ seconds			0.85
Driving time (most distant space) **:**	1000 Feet	0.00019 miles/ feet	0.06666667 hr / miles	60 min / hr	0.76
Mechanical Lift Processing Time:	30 sec/ lift	0.0167 min/ seconds	0 # lifts		0
Park Processing Time **:**			0 movement	0.15	0
Mechanical Arm Lift Time:	4.25 sec/arm	0 gates	0.0167 min/ sec		0.00
Walking time:	1000 feet	0.125 seconds/ feet	0.0167 min/ sec		2.08
Total					**3.69**

Valet Time Main Fontainebleau Hotel (Departure) Garage Parking Space

					Minutes
Processing time **:**	51 seconds	0.0167 min/ seconds			0.85
Driving time (most distant space) **:**	750 Feet	0.000189394 miles/ feet	0.06666667 hr / miles	60 min / hr	0.57
Mechanical Lift Processing Time:	30 sec/ lift	0.0167 min/ seconds	0 # lifts		0
Park Processing Time **:**			0 movement	0.15	0
Mechanical Arm Lift Time:	4.25 sec/arm	0 gates	0.0167 min/ sec		0.00
Walking time:	750 feet	0.125 seconds/ feet	0.0167 min/ sec		1.56
Total					**2.98**