

***CITY OF MIAMI BEACH  
COVID-19 SIDEWALK CAFÉ EXPANSION &  
OUTDOOR SOCIAL DISTANCING  
PILOT PROGRAM***



*Josiel Ferrer-Diaz*

5/18/2020

May 14, 2020

# Plan Description

The plan proposes partial or full closures of certain roadways to support expansion of sidewalk cafes to comply with social distancing rules:

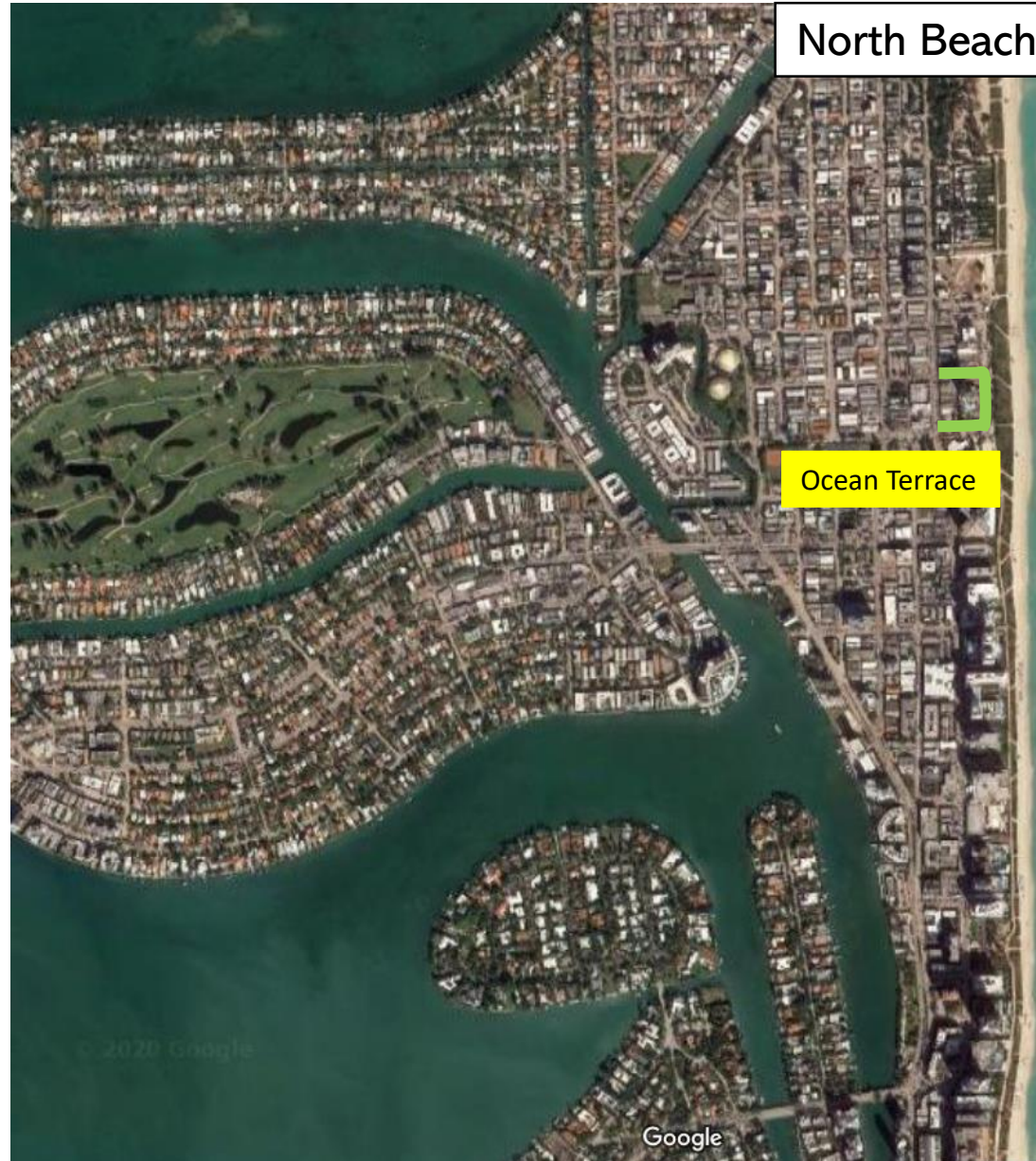
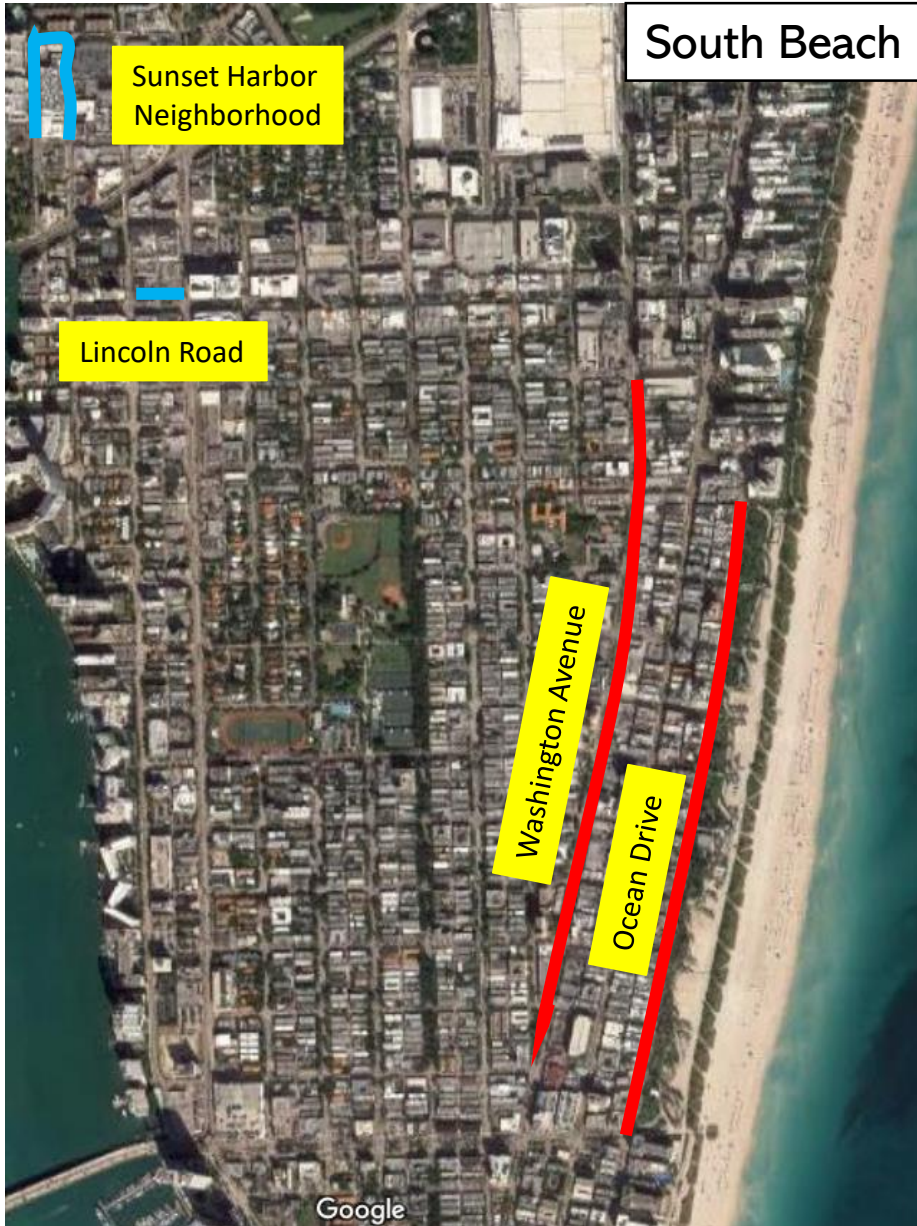
- **Bay Road from 18<sup>th</sup> Street to 20<sup>th</sup> Street** – *Closure of the west side parking lane and southbound travel lane to support restaurant expansion. Northbound traffic and access to businesses on the east side will be maintained.*
- **20<sup>th</sup> Street from Purdy Avenue to Bay Road** – *Closure of eastbound travel lane to support restaurant expansion. No accesses will be affected.*
- **Purdy Avenue from 18<sup>th</sup> Street to 20<sup>th</sup> Street**– *Closure of northbound travel lane to support restaurant expansion. Southbound traffic and access to residential properties on the west side of the street will be maintained at all times.*
- **73<sup>rd</sup> Street from Collins Avenue and Ocean Terrace** – *Closure of north sidewalk and parking lane to support restaurant expansion. Sidewalk will be reserved for business access only. Pedestrians not accessing the businesses will be detoured to the south sidewalk.*
- **Ocean Terrace from 73<sup>rd</sup> Street to 74<sup>th</sup> Street** – *Closure of west sidewalk to support restaurant expansion. Sidewalk will be reserved for business access only. Pedestrians not accessing the businesses will be detoured to the west sidewalk. access to residential properties will be maintained at all times.*

# Plan Description

- **74<sup>th</sup> Street from Collins Avenue to Ocean Terrace** - *Closure of north sidewalk and parking lane to support restaurant expansion. Sidewalk will be reserved for business access only. Pedestrians not accessing the businesses will be detoured to the south sidewalk.*
- **Lincoln Road from West Avenue to Alton Road** – *Closure of north side parking lane and westbound lane to support restaurant expansion. Traffic will be detoured through 16<sup>th</sup> Street and 17<sup>th</sup> Street.*
- **Washington Avenue between 7<sup>th</sup> Street and 16<sup>th</sup> Street** – *Full closure of road to support restaurant expansion. Restaurants can expand using the existing sidewalks, parking lanes, and outside lanes (northbound and southbound). The inside lanes will be used for pedestrians and bikes. Emergency vehicle access will be maintained via the inside lane/fire lane. Delivery access will occur from each side street via dedicated loading zones. Delivery personnel will walk the goods using hand-dollies to the business through Collins Court (alleyway east of Washington Avenue) or the pedestrian path on the inside lane.*
- **Ocean Drive from 5<sup>th</sup> Street to 15<sup>th</sup> Street** – *Full closure of Ocean Drive to support restaurant expansion. Restaurants can expand using the existing west sidewalk, parking lanes, and southbound lane. The northbound lane and east side parking will be used for pedestrians and bikes. Emergency vehicle access will be maintained via northbound lane and parking lane to serve as a fire lane. Delivery access will occur from each side street via dedicated loading zones. Delivery personnel will walk the goods using hand-dollies to the business through Ocean Court (alleyway west of Ocean Drive) or the pedestrian path on the northbound lanes.*



# Road Closure Location Map

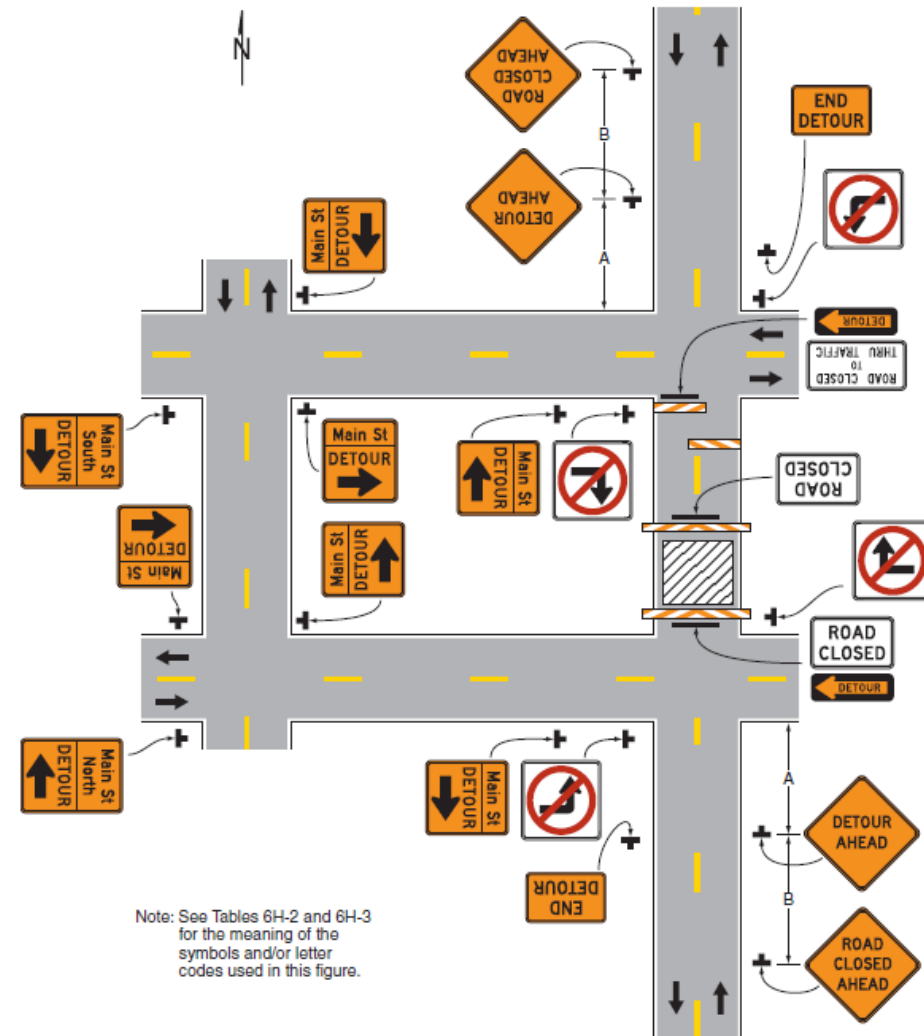


## Legend

- Full Closure 
- Partial Closure 
- Sidewalk Closure 

# Road Closure Standard Details

Figure 6H-20. Detour for a Closed Street (TA-20)

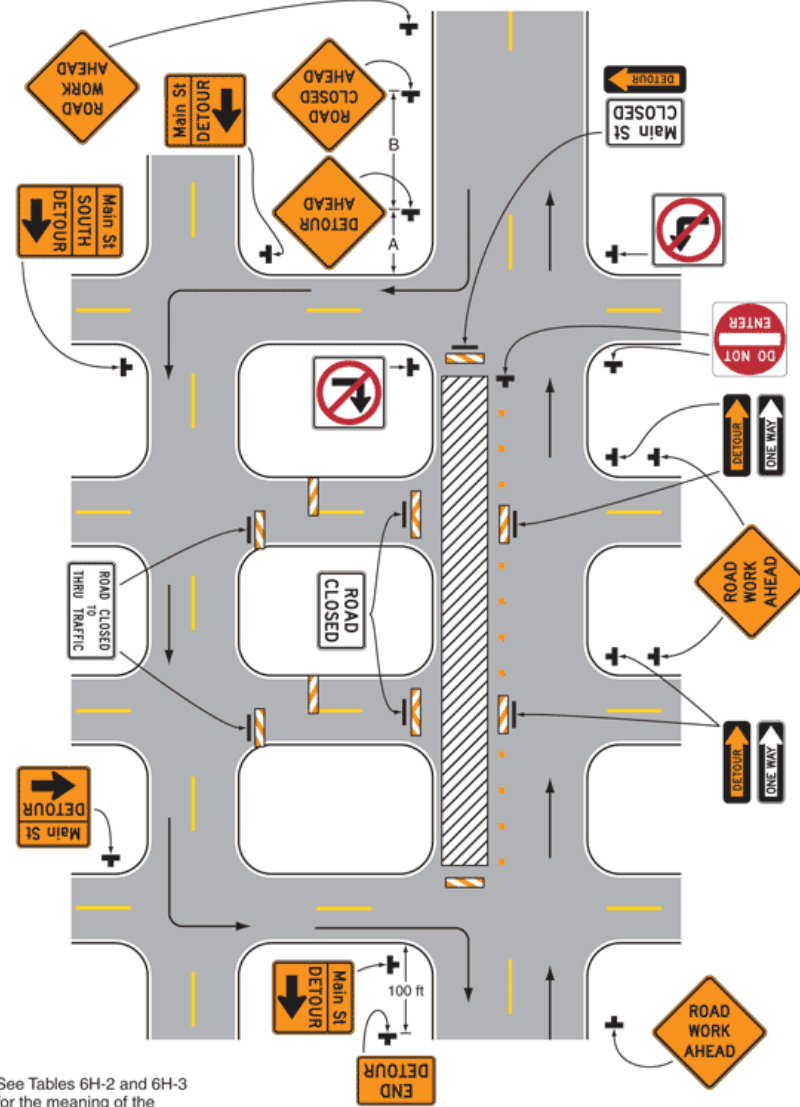


Typical Application 20

Source: Manual on Uniform Traffic Control Devices 2009 Edition

# Road Closure Standard Details

Figure 6H-19. Detour for One Travel Direction (TA-19)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

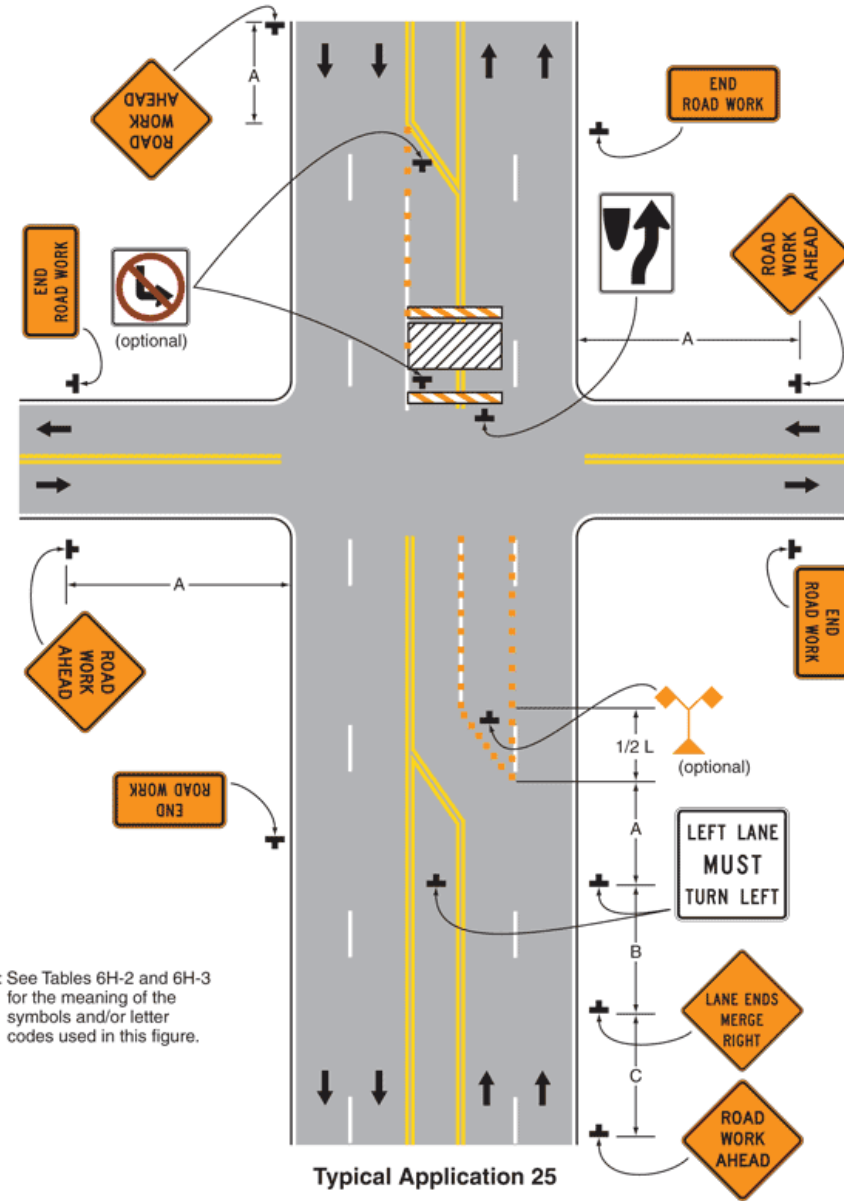
Typical Application 19

Source: Manual on Uniform Traffic Control Devices 2009 Edition



# Road Closure Standard Details

Figure 6H-25. Multiple Lane Closures at an Intersection (TA-25)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Source: Manual on Uniform Traffic Control Devices 2009 Edition

# Road Closure Standard Details

**DISTANCE BETWEEN SIGNS**

Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350
50 mph	500	500	500
*55 mph or greater	2640	1640	1000

\* The ROAD WORK 1 MILE sign may be used as an alternate to the ROAD WORK AHEAD sign and the RIGHT LANE CLOSED 1/2 MILE sign may be used as an alternate to the RIGHT LANE CLOSED AHEAD sign.

\*\* 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

**SYMBOLS**

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Advance Warning Arrow Board

**GENERAL NOTES**

- Work operations shall be confined to one traffic lane, leaving the adjacent lane open to traffic.
- On undivided highways the median signs as shown are to be omitted.
- When work is performed in the median lane on divided highways, the channelizing device plan is inverted and left lane closed and lane ends signs substituted for the right lane closed and lane end signs.

The same applies to undivided highways with the following exceptions:

- Work shall be confined within one median lane.
- Additional barricades, cones, or drums shall be placed along the centerline abutting the work area and across the trailing end of the work area.

When work on undivided highways occurs across the centerline so as to encroach on both median lanes, the inverted plan is applied to the approach of both roadways.

- Signs and traffic control devices are to be modified in accordance with INTERMITTENT WORK STOPPAGE details (sheet 2 of 2) when no work is being performed and the highway is open to traffic.
- The two channelizing devices directly in front of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
- When paved shoulders having a width of 8 ft. or more are closed, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the travel way. See Index 102-612 for shoulder taper formulas.
- When a side road intersects the highway within the TTC Zone, additional TTC devices shall be placed in accordance with other applicable TCZ indexes.
- This TCZ plan does not apply when work is being performed in the middle lane(s) of a six or more lane highway. See Index 102-614.
- For general TCZ requirements and additional information, refer to Index 102-600.

**Table I  
Device Spacing**

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

**Table II  
Buffer Space and Taper Length**

Speed (mph)	Buffer Space (ft.)	Taper Length (L) (ft.)		Notes (Merge)
		L	Notes (Merge)	
25	155	125	L = WS <sup>2</sup> / 60	
30	200	180		
35	250	245		
40	305	320	L = WS	
45	360	400		
50	425	500		
55	495	600		
60	570	720		
65	645	780		
70	730	840		

When Buffer Space cannot be attained due to geometric constraints, the greatest attainable length shall be used, but not less than 200 ft.

For lateral transitions other than 12°, use formula for L shown in notes column. Where:

L = Length of taper in feet  
W = Width of lateral transition in feet  
S = Posted speed limit (mph)

**DURATION NOTES**

- Temporary white edgeline may be omitted for work operations less than 3 consecutive calendar days.
- For work operations up to approximately 15 minutes, signs, channelizing devices, arrow board, and buffer space may be omitted if all of the following conditions are met:
  - Speed limit is 45 mph or less.
  - No sight obstructions to vehicles approaching the work area for a distance equal to the buffer space and the taper length combined.
  - Volume and complexity of the roadway has been considered.
  - The closed lane is occupied by a class 5 or larger, medium duty truck(s) with a minimum gross weight vehicle rating (GVWR) of 16,000 lb with high-intensity, rotating, flashing, oscillating, or strobe lights mounted above the cab height and operating.
- For work operations up to 60 minutes, arrow board and buffer space may be omitted if conditions a, b, and c in DURATION NOTE 2 are met, and vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRDACH ON THE LANE ADJACENT TO EITHER SHOULDER AND THE AREA 2' OUTSIDE THE EDGE OF TRAVEL WAY.

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LAST REVISION 11/01/17	DESCRIPTION:	FY 2020-21 STANDARD PLANS	MULTILANE, WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE	INDEX 102-613	SHEET 1 of 2
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Source: FDOT Design Manual (FDM)



# Washington Avenue Delivery and Emergency Access Detail



## Legend



Restaurant Expansion Area



Designated Delivery Zone



Pedestrian/Bike Zone



Delivery Personnel Walking Route



Emergency Vehicle Lane/Access

# Ocean Drive Delivery and Emergency Access Detail



## Legend



Restaurant Expansion Area



Designated Delivery Zone



Pedestrian/Bike Zone



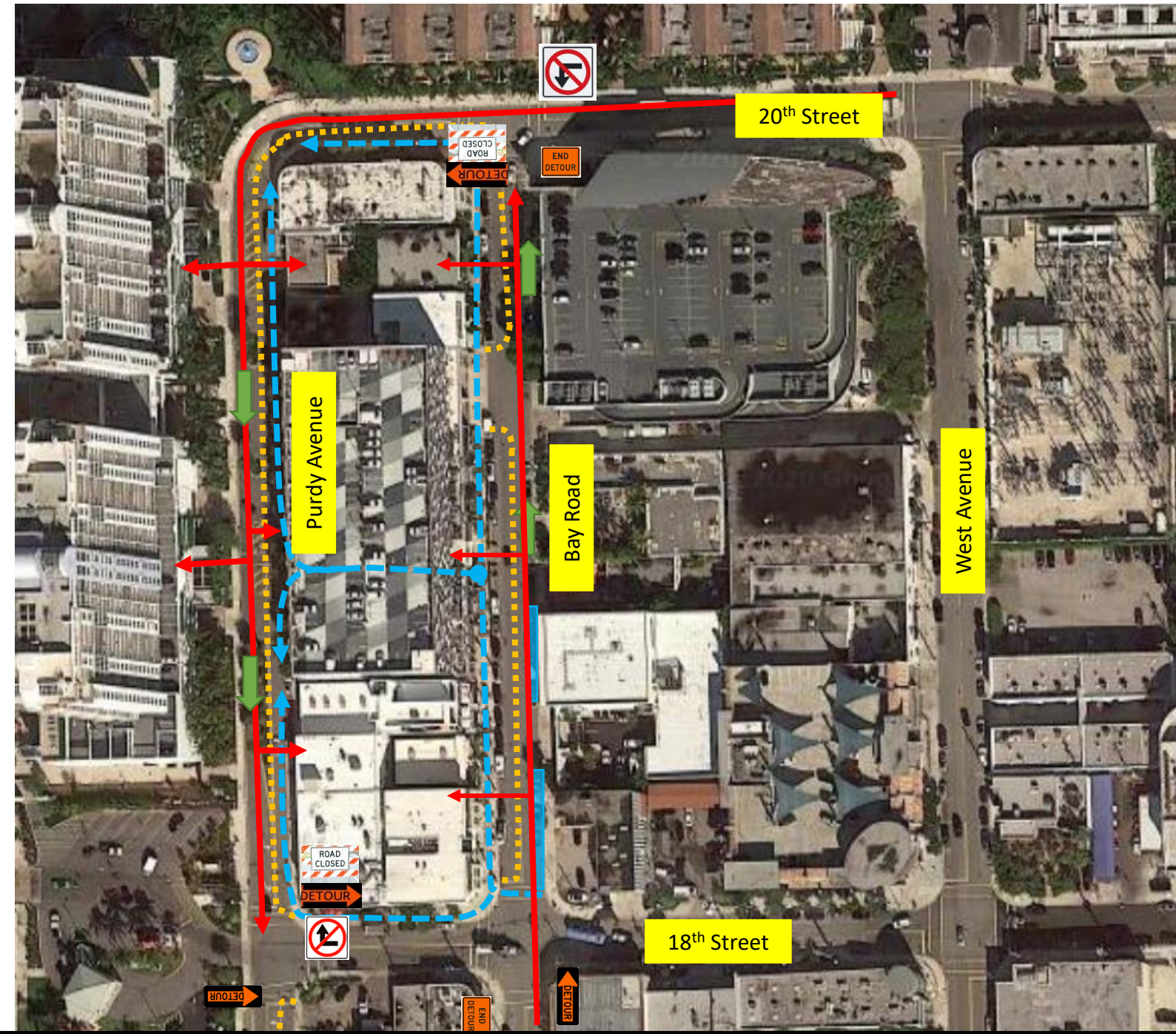
Delivery Personnel Walking Route



Emergency Vehicle Lane/Access

Bay Road and Purdy Avenue  
Parking and Lane Closure Plan



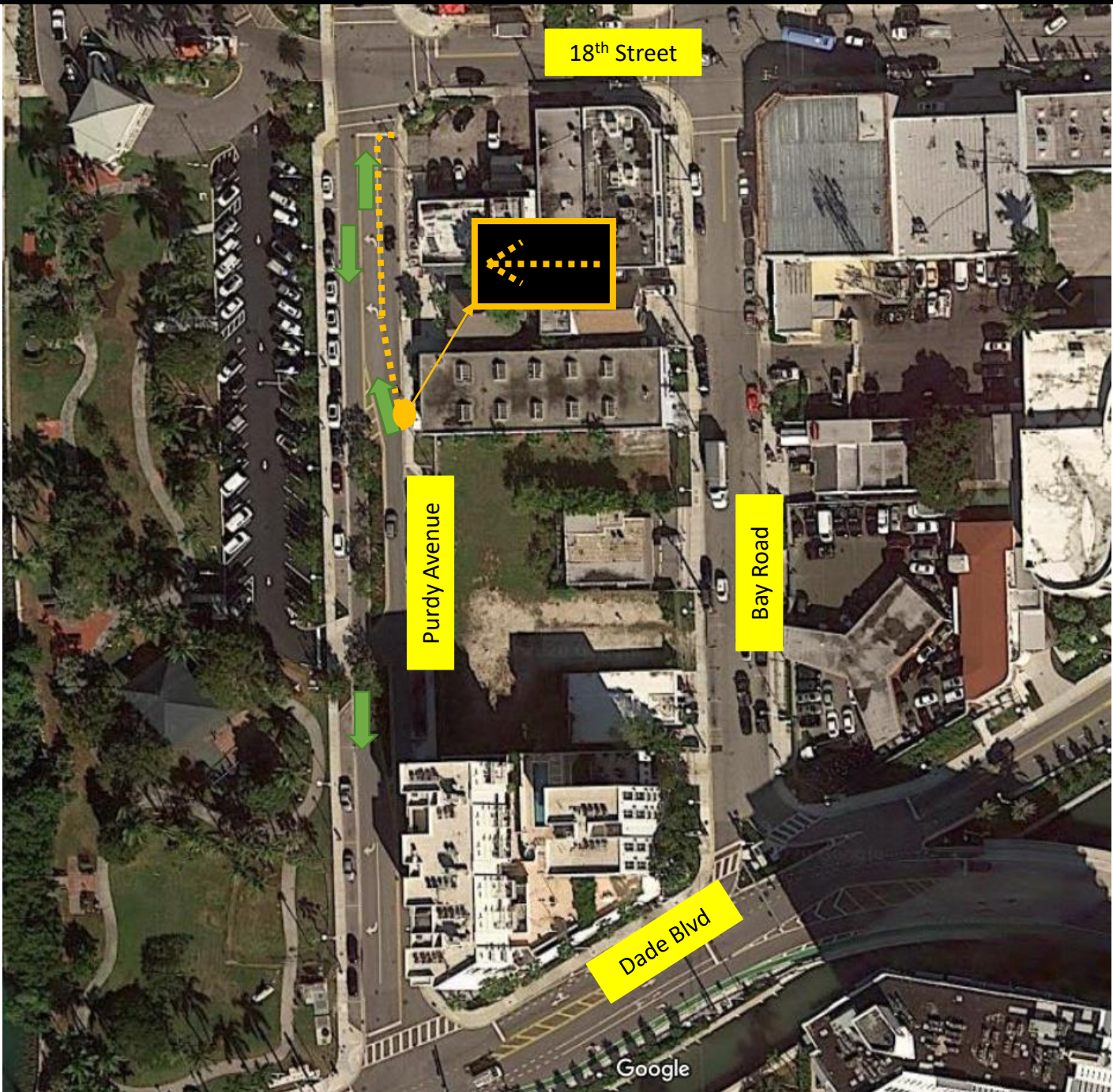


Legend

Emergency Route	<span style="color: red;">—</span>
Delivery Route	<span style="color: blue;">—</span>
Delivery Zone	<span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
Water-filled Barriers	<span style="color: orange;">- - - -</span>

Match Line A-A





Match Line A-A



73 Street, Ocean Terrace, and 74 Street  
Parking and Lane Closure Plan





**Legend**

- Emergency Route —
- Delivery Route —
- Delivery Zone
- Water-filled Barriers

SIDEWALK CLOSED  
CROSS HERE →  
Business Accesses Only

SIDEWALK CLOSED  
← CROSS HERE  
Business Accesses Only

SIDEWALK CLOSED  
Business Accesses Only

SIDEWALK CLOSED  
↔ USE OTHER SIDE  
Business Accesses Only

SIDEWALK CLOSED  
CROSS HERE →  
Business Accesses Only

SIDEWALK CLOSED  
Business Accesses Only

SIDEWALK CLOSED  
↔ USE OTHER SIDE  
Business Accesses Only

SIDEWALK CLOSED  
↔ USE OTHER SIDE







Lincoln Road  
Parking and Lane Closure Plan





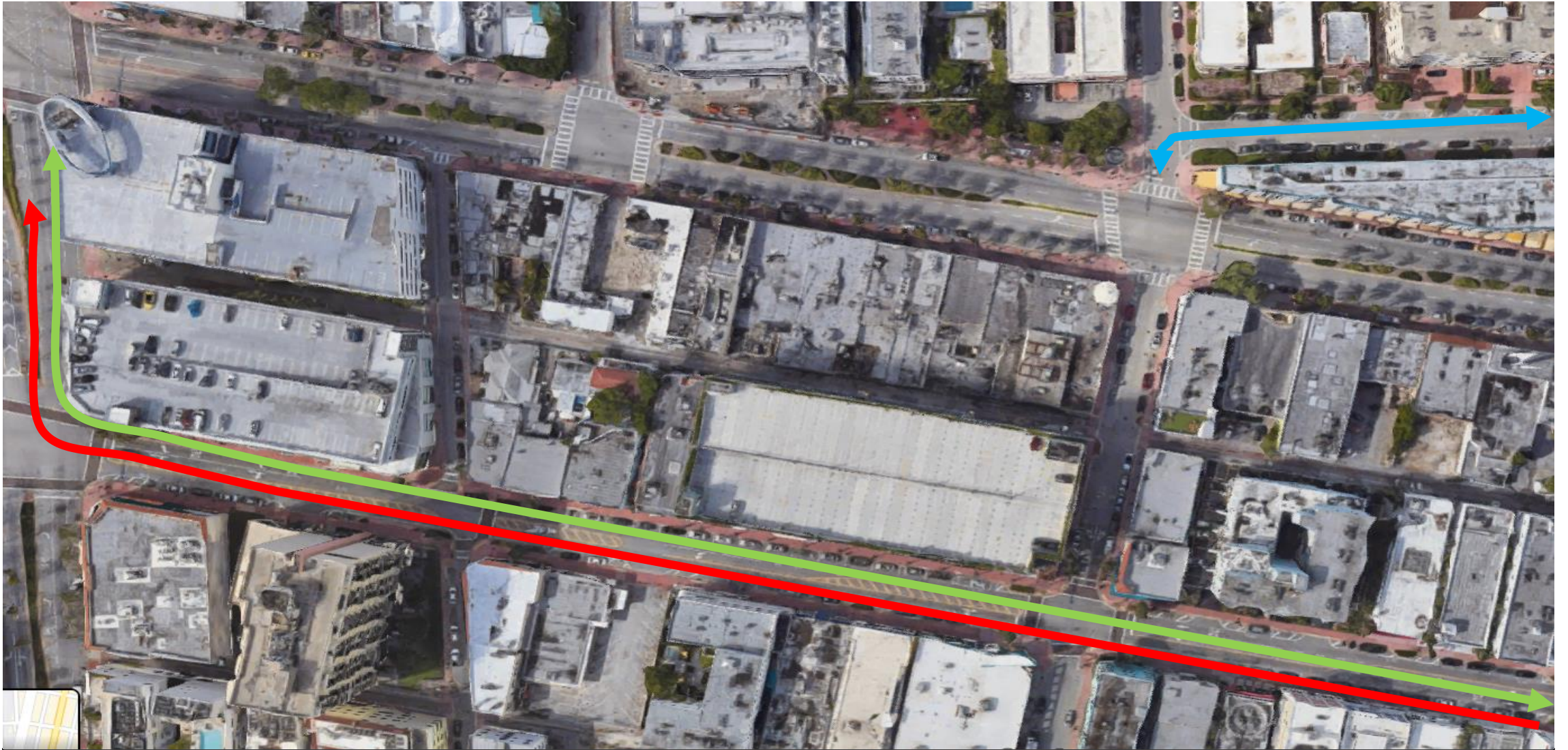
### Legend

- Emergency Route 
- Delivery Route 
- Delivery Walking Route 
- Pedestrian Zone 

Operational change for left turn skip will be submitted as part of a supplemental memorandum

# Washington Avenue Road Closure Plans





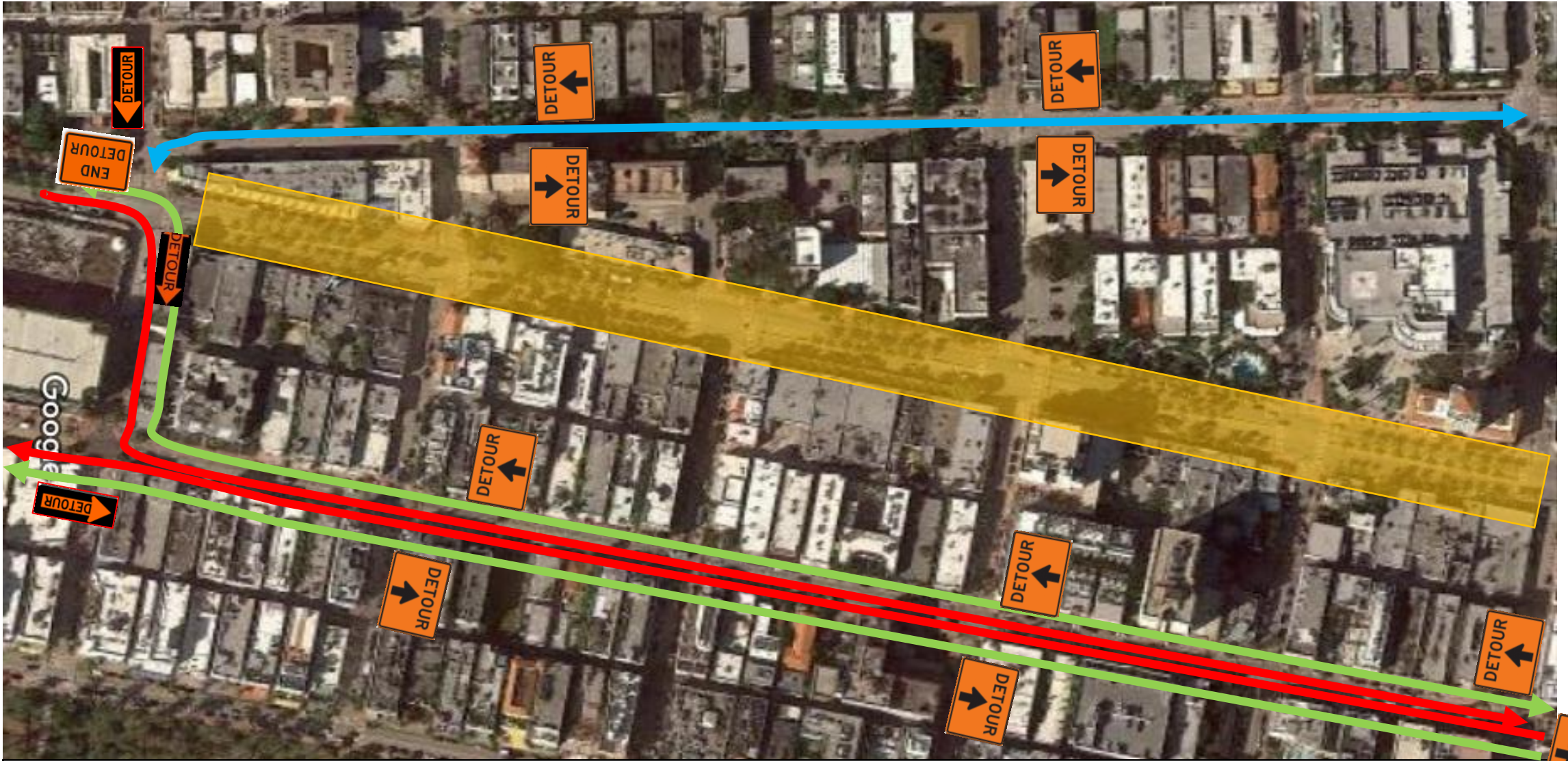
Legend

Vehicular Detour Route 

Vehicular Detour Route 

Transit Detour Route 

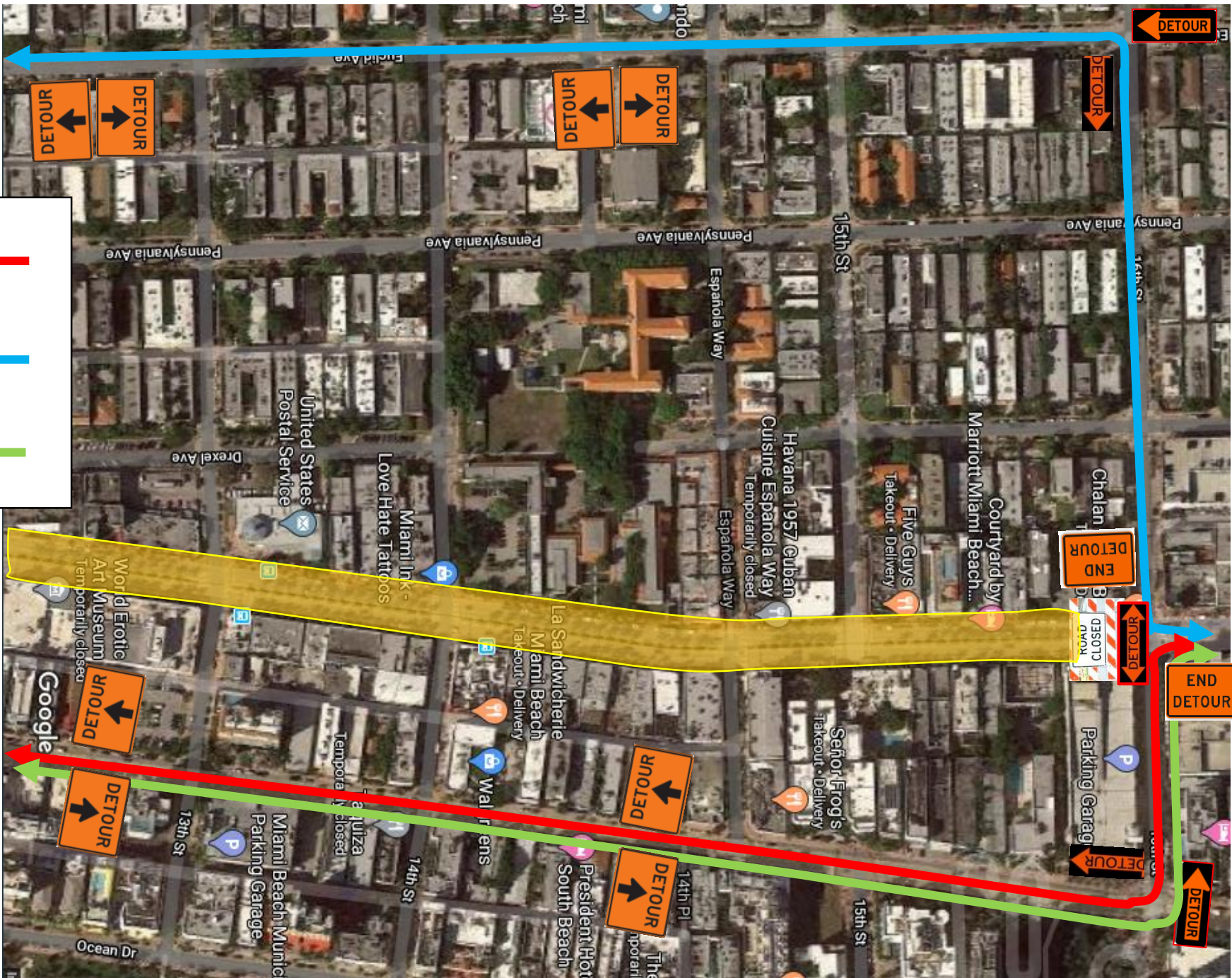




**Legend**

Vehicular Detour Route		Vehicular Detour Route		Transit Detour Route	
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**Legend**

- Vehicular Detour Route —
- Vehicular Detour Route —
- Transit Detour Route —



# Advanced Signage





Beginning of Closure



Match Line A-A

**Legend**

Type II Barricades	— — — — —
Water-filled Barriers	— — — — —

Match Line A-A



Match Line B-B





8th Street

Match Line B-B



Washington Avenue



9th Street

Match Line C-C



9th Street

Match Line C-C



Washington Avenue



10th Street

Match Line D-D







Match Line D-D

10th Street

11th Street

Match Line E-E



Match Line E-E

11th Street

Washington Avenue

12th Street

Match Line F-F





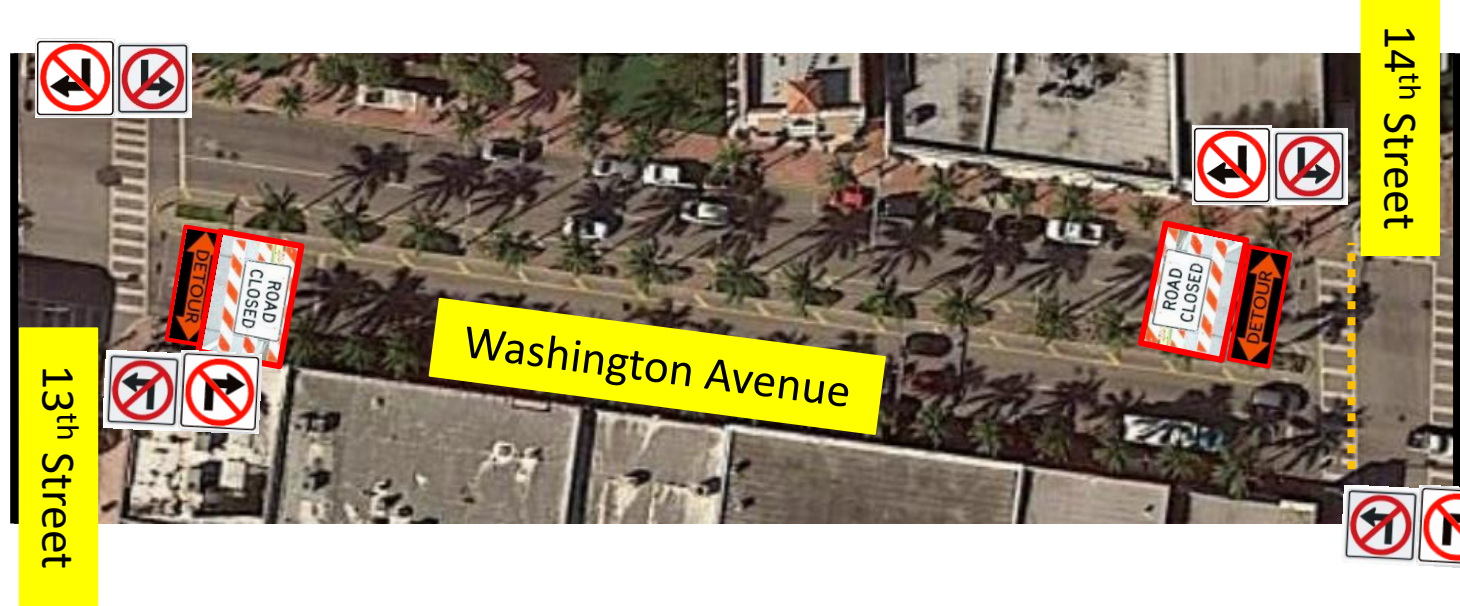
Match Line F-F



Match Line G-G



Match Line G-G



Match Line H-H



Match Line I-I



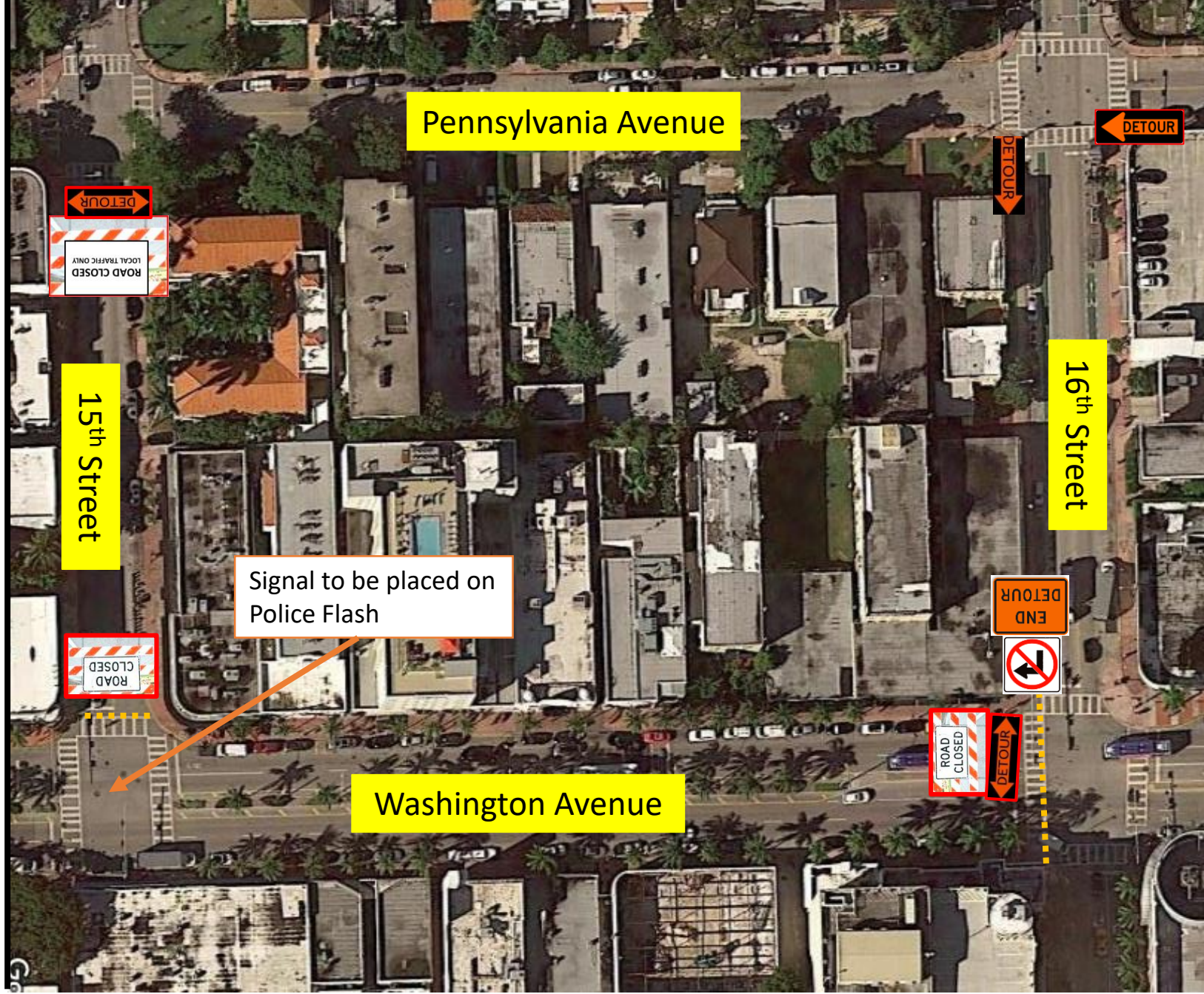
Imagery ©2020 Maxar Technologies, Sanborn, U.S. Geo

Match Line J-J





Match Line B-B

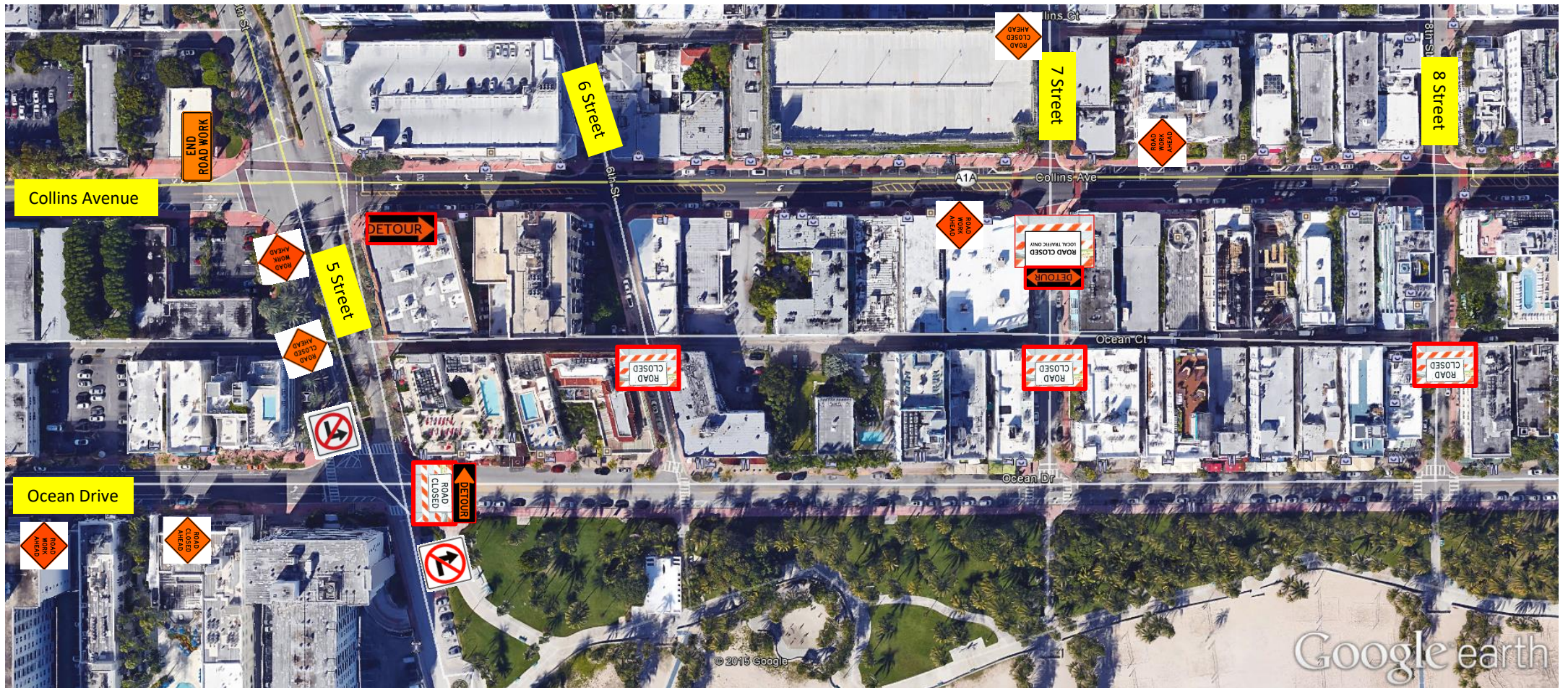


Match Line B-B



Ocean Drive  
Road Closure Plan









As per Police Department instruction, an officer has been added to the intersection of Ocean Drive and 10<sup>th</sup> Street



