

Citywide Traffic Calming



JANUARY 11, 2022

**CORAL
GABLES**
THE CITY BEAUTIFUL



PROJECT BACKGROUND

- ADVANCING THE CITY'S VISION

MULTIMODAL TRANSPORTATION PLAN

- PLANNING PROCESS LAUNCHED IN EARLY 2016
- OBJECTIVE: TO DEVELOP A 10-YEAR BLUEPRINT TO IMPROVE THE CITY'S TRANSPORTATION SYSTEM TO PROVIDE BETTER TRAVEL CHOICES.
 - TRANSIT
 - MULTIMODAL FACILITIES
 - TRAFFIC CALMING



PROJECT BACKGROUND

- ADVANCING THE CITY'S VISION

MULTIMODAL TRANSPORTATION PLAN

- PUBLIC INPUT / COMMUNITY MEETINGS

YEAR 2016

CORAL GABLES LIBRARY

ST. TERESA CATHOLIC SCHOOL

CORAL GABLES BRANCH LIBRARY

TEMPLE JUDEA

ST. THOMAS EPISCOPAL CHURCH & SCHOOL

SUNSET DRIVE PARK(ING) DAY

MIRACLE MILE PARK(ING) DAY

PROJECT BACKGROUND

- RESIDENT DRIVEN APPROACH

- THE CITY HAS BEEN COLLECTING DATA / INPUT FROM RESIDENTS FOR OVER 7 YEARS

- NEIGHBORHOOD CONCERNS

- COMPILED 150+ CITIZEN COMMENTS

- LOGGED, REVIEWED, MAPPED

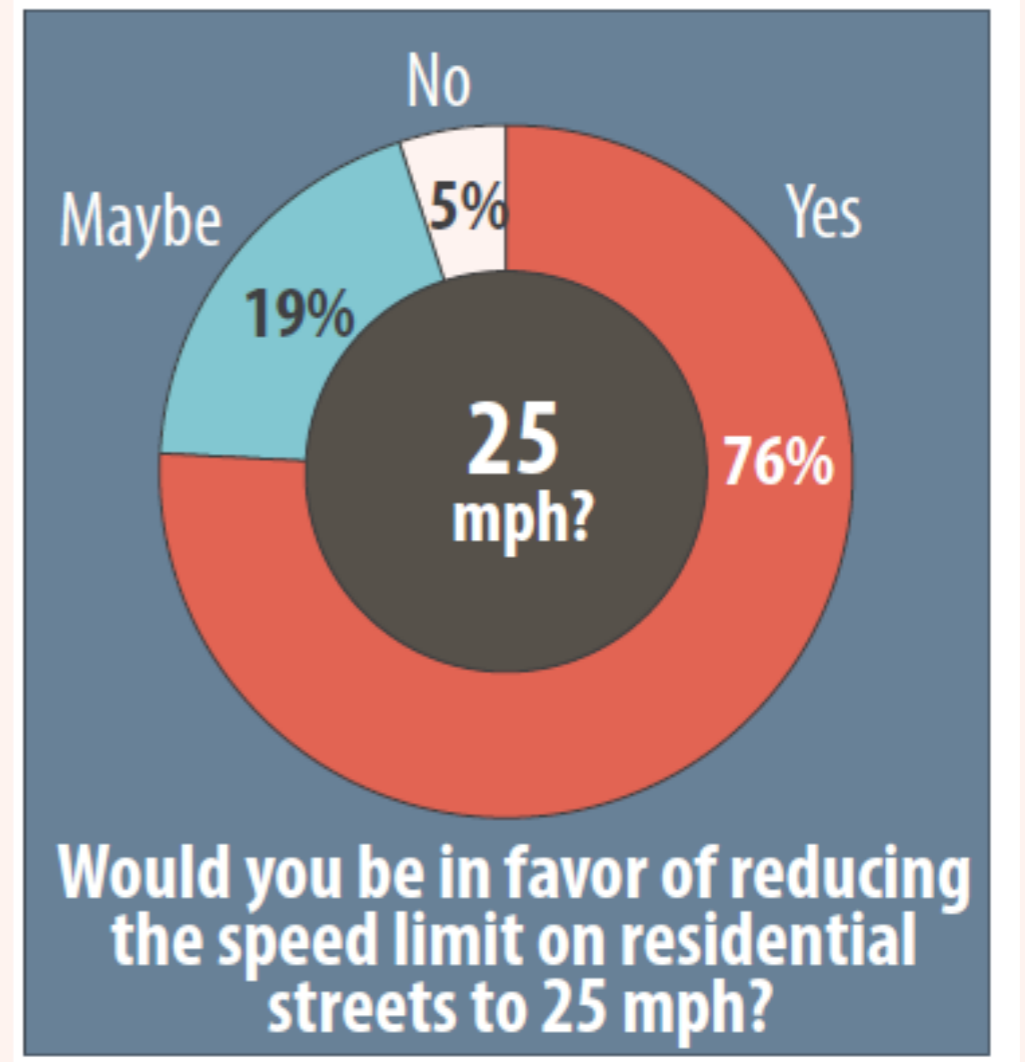
- MEASURES HAVE BEEN ANALYZED AND TESTED AT SPECIFIC LOCATIONS

Citizen Comment Log

#	Zor	Hot	Day	Month	Year	Street_1	Street_2	Name	Address	Comment_Type1	Comment_Type2	Notes	POINT_X	POINT_Y	
1	109	1	1	10	10	September	2016	Grande Boulevard	SW 18th Street	San-Brand	632 Grande	Grande Cross Court	Cut-through traffic	0.000000	0.000000
1	1	1	23	April	2015	Segonia Street	Alaczar Avenue	Heli Lechin	125 Alhambra Circle	Traffic	Traffic Calming/Circle	Patrol to remove traffic barricades on Segonia Circle. Traffic diverted to	40.260944	25.752062	
4	2	1	13	January	2014	Segonia Street	Grande Avenue	Petlin	Grande/Segonia Residents	Cut-Through Traffic	Speeding	Patrol to remove traffic barricades on Segonia Circle. Traffic diverted to	40.260944	25.752062	
5	1	1	13	January	2014	Segonia Street	Grande Avenue	Rosa-Hedy	508 Grande Avenue	Traffic Calming	Traffic Study	Quiet area (Segonia Ave. Grande) needs traffic calming	40.260750	25.750830	
5	4	1	8	May	2015	Argon Avenue	Grande Avenue	Hauke-Felix		Traffic Calming	Traffic Calming	Supports traffic research in neighborhood	40.260750	25.750830	
6	1	1	9	May	2015	Argon Avenue	Grande Avenue	Laura-Collins		Traffic Calming	Traffic Calming	Traffic calming requests against residential area	40.260750	25.750830	
6	1	1	12	May	2015	Argon Avenue	Leisure (SW 43rd)	Patricia-Faham	519 Argon Avenue	Traffic	Sidewalk Repair	Traffic calming (30 cars in AM at intersection, when all sidewalk is repa	40.262793	25.750439	
7	1	1	12	May	2015	Argon Avenue	Alhambra Circle	Rosa-Hedy	125 Alhambra Circle	Traffic	Traffic	Increased traffic on Argon and Grande due to a knock at this intersection	40.260944	25.752062	
8	1	1	14	May	2015	Argon Avenue	Herndon Street	Patricia-Faham	519 Argon Avenue	Traffic	Stop Sign	Could not cross street due to amount of cars running Herndon stop sign	40.264744	25.750429	
8	1	1	17	May	2015	Argon Avenue	Leisure (SW 43rd)	Rebecca-Faham	519 Argon Avenue	Traffic	Stop Sign	Street light changes causing traffic to speed through EIS	40.262892	25.750393	
10	1	1	25	May	2015	Argon Avenue	Leisure (SW 43rd)	Rebecca-Faham	519 Argon Avenue	Speeding	Speeding	Commuter and delivery trucks speeding down Argon	40.262892	25.750393	
11	1	1	23	August	2012	Herndon Street	San Miguel Avenue	Victor-Kath	517 Herndon Street	Dangerous Intersection	Traffic Calming	Reopening intersection evaluation for traffic calming	40.262793	25.750439	
12	1	1	2	October	2013	Grande Street	Veneta St BH	Mika-Sokal	912 Grande	Traffic	Speeding	Excessive traffic along Veneta road parallel speed limit street with no par	40.260682	25.750439	
15	1	1	2	October	2013	Herndon Avenue	Picasso Street	Elena-Martin	527 Herndon Avenue	Stop Sign Visibility	Speeding	Stop sign set up for backing up at north	40.272091	25.747448	
16	1	1	24	June	2014	Herndon Avenue (SW 43rd)	Leisure (SW 43rd)	Maria-Martino	438 Herndon Avenue	Traffic Calming/Circle	Speeding	Traffic 5:30AM and 5:30PM, requesting traffic circle	40.263070	25.750703	
17	1	1	12	January	2014	Herndon Avenue (SW 43rd)	Leisure (SW 43rd)	Ramon-Felix	536 Herndon Avenue	Traffic Calming	4-way Stop	Traffic calming request along Herndon. 4-way stop at Herndon/Castilla	40.262985	25.752355	
18	1	1	9	September	2015	Milan Avenue	Grande to Columbus	Carren-Fernandez	832 Milan Avenue	Traffic Calming	4-way Stop	Requesting traffic calming on this road segment	40.270094	25.750293	
19	1	1	17	June	2014	Milan Avenue	Catala Street	Henri-Martin	388 Milan Avenue	Speeding	Speeding	Requesting 'red speed bump' on Milan/Speeding complaints	40.272091	25.752355	
20	1	1	30	July	2014	Milan Avenue	Grande to Columbus	Carren-Fernandez	832 Milan Avenue	Speeding	Traffic Calming/Circle	Requesting 4-way stop sign in traffic circle	40.270094	25.750293	
21	1	1	17	June	2014	Milan Avenue	Grande to Columbus	Carren-Fernandez	832 Milan Avenue	Speeding	Speeding	Requesting 4-way stop sign in traffic circle	40.270094	25.750293	
22	20	1	4	September	2015	North Greenway Drive	South Greenway Drive	Nicole-Marian		Neon Flood	4-way	Requesting to make Greenway Drive road too narrow for 2-way. HI + run 9	40.263936	25.752504	
22	21	1	4	September	2015	South Greenway Drive	South Greenway Drive	Ernst-Dorffmuller		Neon Flood	4-way	Requesting lanes with bike lanes + 5mph speed limit for the school area	40.263936	25.752504	
23	1	1	9	February	2014	Obispo Avenue	Leisure (SW 43rd)	Paulo-Donato	637 Obispo Avenue	Speeding	Cut-through traffic circle	Traffic circle along Obispo to deter speeding	40.263475	25.755635	
23	1	1	9	February	2014	Obispo Avenue	Leisure (SW 43rd)	Kathleen-Martin	185 Grande Boulevard	Speeding	Cut-through traffic circle	Traffic circle along Obispo to deter speeding	40.263475	25.755635	
24	1	1	10	November	2015	Obispo Avenue	Picasso Street	Maria-Padin		Dangerous Intersection	Traffic Calming	Unsafe intersection for children, elderly, neighbors. Cut-through traffic	40.274794	25.752646	
25	1	1	11	March	2014	Obispo Avenue	Herndon Street	Maria-Padin		Traffic Calming	Traffic Calming	Traffic circle request near Herndon/Obispo intersection	40.266665	25.756482	
26	1	1	20	February	2014	Obispo Avenue	Fernandez Street	Celia-Garcia	800 Fernandez Street	Traffic	Traffic Calming	Heavy traffic at this intersection	40.262720	25.748762	
27	1	1	12	January	2014	Obispo Avenue	Herndon Street	Maria-Padin	637 Obispo Avenue	Dangerous Intersection	Traffic Calming	Cut-through to avoid oblique. Motorist killed at intersection. Stop sig	40.272642	25.752646	
28	1	1	26	November	2012	Grande Avenue	Corrao to Grande	Nick-Holmbeck	985 Grande Avenue	Dangerous Intersection	Traffic Calming	Requesting traffic study/Traffic Calming	40.272438	25.752646	
29	1	1	23	September	2014	Greenway Drive	Grande Avenue	Kyle-Correa	126 Greenway Drive	Traffic Calming/Circle	Speeding	Req. Traffic circle to prevent oblique. Motorist killed at intersection. Stop sig	40.272438	25.752646	
30	1	1	11	April	2014	North Greenway Drive	Central Way	Henri-Martin	126 Greenway Drive	Speeding	Traffic Calming/Speed Bump	speed bump installed but speeding	40.263463	25.749334	
31	1	1	11	April	2014	North Greenway Drive	Central Way	Henri-Martin	126 Greenway Drive	Speeding	Traffic Calming/Speed Bump	speed bump installed but speeding	40.263463	25.749334	
34	1	1	7	December	2015	Castilla Avenue	Castilla Avenue	Resendiz	Castilla Avenue	Speeding	Speeding	Requesting through Castilla corridor	40.273456	25.749799	
35	1	1	7	December	2015	Castilla Avenue	Castilla Avenue	Resendiz	Castilla Avenue	Speeding	Speeding	Requesting through Castilla corridor	40.264674	25.749799	
36	1	1	7	December	2015	Herndon Avenue (SW 43rd)	Leisure (SW 43rd)	Milly-Klay	1300 Castilla Avenue	Speeding	Traffic Calming/Speed Bump	Cut-through traffic, requesting speed bump	40.263988	25.751924	
37	1	1	27	March	2016	Herndon Avenue (SW 43rd)	Leisure (SW 43rd)	David-Frost	438 Herndon Avenue	Traffic Study	Stop Sign Visibility	Variable Message W of Leisure to be included in traffic study	40.263070	25.747549	
38	1	1	24	June	2016	Obispo Avenue	Picasso Street	José-Felix	607 Obispo Avenue	Dangerous Intersection	Stop Sign	Loss of traffic at intersection due to limited visibility of stop sign on	40.272091	25.752355	
39	1	1	24	June	2016	Obispo Avenue	Picasso Street	Carla-Correa	607 Obispo Avenue	Dangerous Intersection	Speeding	Driver's speed of 90mph/Requesting removal of intersection	40.267976	25.752406	
40	1	1	9	February	2014	Grande Boulevard	Central Way	Paulo-Donato and K-Frost	Obispo/985 Grande	Dangerous Intersection	Speeding	Careless left-turner	40.272726	25.750877	
41	1	1	12	September	2016	Grande Boulevard	Obispo Avenue	Mk-Alvarez		Dangerous Intersection	Safety	Numerous crashes at this intersection - requesting study	40.270370	25.750877	
42	1	1	18	November	2016	Grande Boulevard	Picasso Street	José-Felix		Dangerous Intersection	Safety	Crashes at intersection, request for 4-way stop	0.000000	0.000000	
43	1	1	6	December	2016	La-Juane Avenue (SW 43rd)	Merceda Avenue	Maria-Castellanos	414 Merceda Avenue	Dangerous Intersection	Safety	Crashes at intersection, request for traffic control measures	0.000000	0.000000	
44	1	1	6	December	2016	Herndon Street	Merceda Avenue (SW 18th Street)	Maria-Castellanos	414 Merceda Avenue	Dangerous Intersection	Safety	Crashes at intersection, request for traffic control measures	0.000000	0.000000	
45	1	1	12	December	2016	Grande Boulevard	Obispo Avenue	Mk-Alvarez		Dangerous Intersection	Speeding	Crashes at intersection, should perform study to remedy problem	0.000000	0.000000	
46	1	1	27	December	2016	Grande Boulevard	S-Correa	Don-Serna		Dangerous Intersection	Speeding	Requesting lowering speed limit not enough on these streets. Requesting	0.000000	0.000000	
47	1	1	26	December	2016	Herndon Street	Astoria Avenue	Milly-Gal-Kelly	1300 Astoria Avenue	Speeding	Stop Sign	Not a support of lowering speed limit. Have not observed drivers driving	0.000000	0.000000	
48	1	1	26	December	2016	Obispo Street	Herndon	Luis-Cabrera	400 Block of Herndon	Speeding	Traffic Calming/Circle	Redesign and realign driving on Herndon. Requesting traffic study. Traffic	0.000000	0.000000	
49	1	1	3	March	2016	Obispo Street	Alameda Avenue	Carolina-Hobbs		Traffic	Traffic	Traffic circle request - lots of traffic at this intersection including left-turn	40.272624	25.752624	

PROJECT BACKGROUND

- IN 2018 THE SPEED LIMIT ON ALL CORAL GABLES' LOCAL RESIDENTIAL STREETS WAS LOWERED FROM 30MPH TO 25MPH. THIS IS AN IMPORTANT STEP IN MEETING OUR TRAFFIC CALMING GOALS AND CREATING SAFER, MORE LIVABLE NEIGHBORHOODS.



*SUMMARY OF OUTREACH EFFORTS
– MULTIMODAL TRANSPORTATION
PLAN*

PROJECT BACKGROUND

- INTERLOCAL AGREEMENT BETWEEN MIAMI DADE COUNTY AND CITY OF CORAL GABLES
 - ENTERED ON AUGUST 30TH, 2018
 - ALLOWS THE CITY TO INSTALL AND MAINTAIN CERTAIN TRAFFIC CALMING DEVICES ON LOCAL MUNICIPAL STREETS THAT ARE OPERATED AND MAINTAINED BY THE CITY.
 - NO ADDITIONAL APPROVAL FROM THE COUNTY IS REQUIRED

WHAT IS TRAFFIC CALMING

- CRITERIA FOR TRAFFIC CALMING IMPLEMENTATION



Daily Traffic Volumes

(IS THE SPEED AT OR BELOW WHICH 85 PERCENT OF THE MOTORISTS DRIVE ON A GIVEN ROAD UNDER NORMAL CONDITIONS)



85th Percentile Speeds

(ONE SIDE/BOTH SIDES)



Sidewalks

(SCHOOLS/PARKS/TRANSIT STOPS)



Pedestrian Generators

(> 10 DRIVEWAYS)



Driveway Density

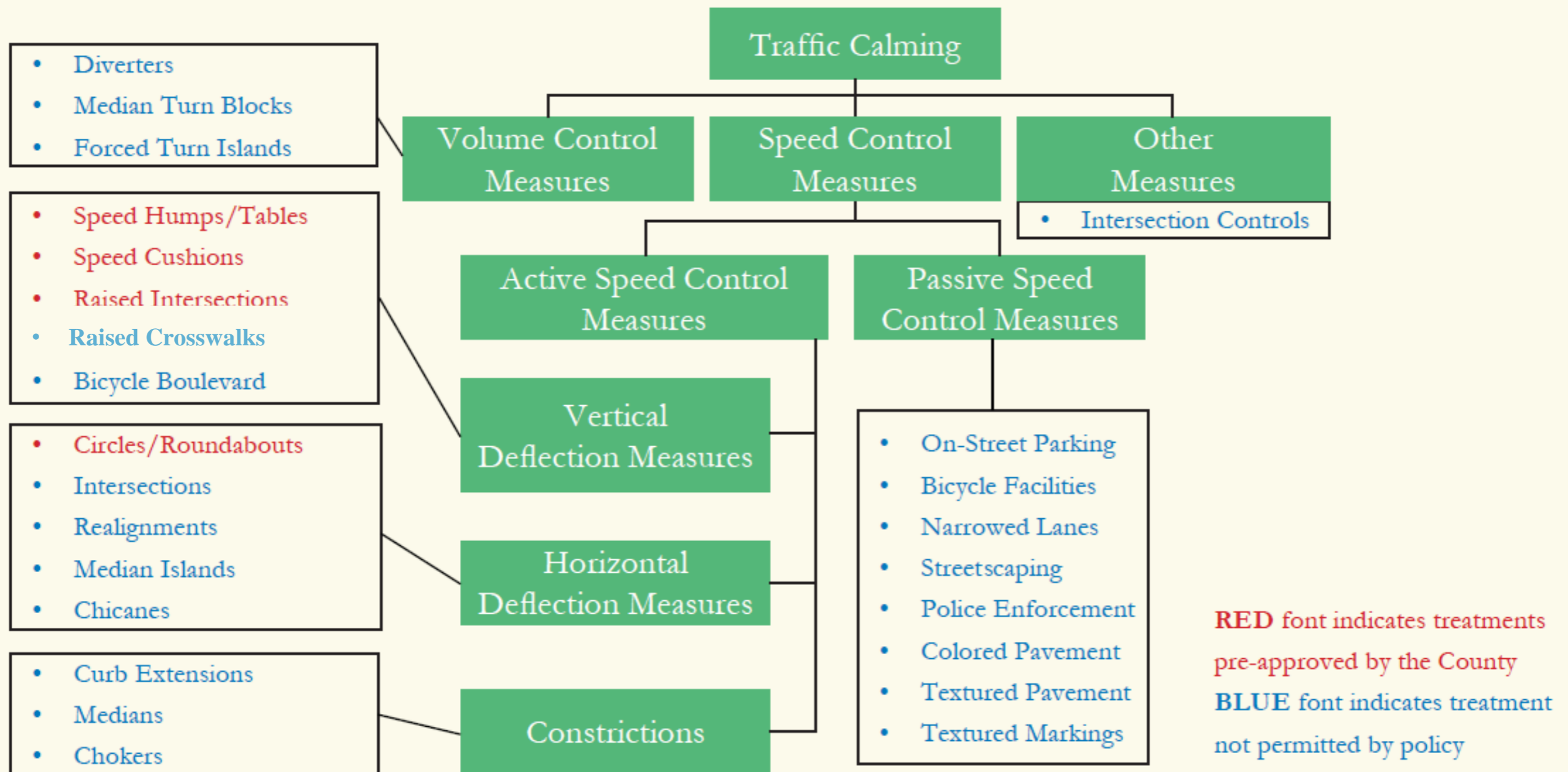
of Crashes



of Crashes

TRAFFIC CALMING TOOLKIT

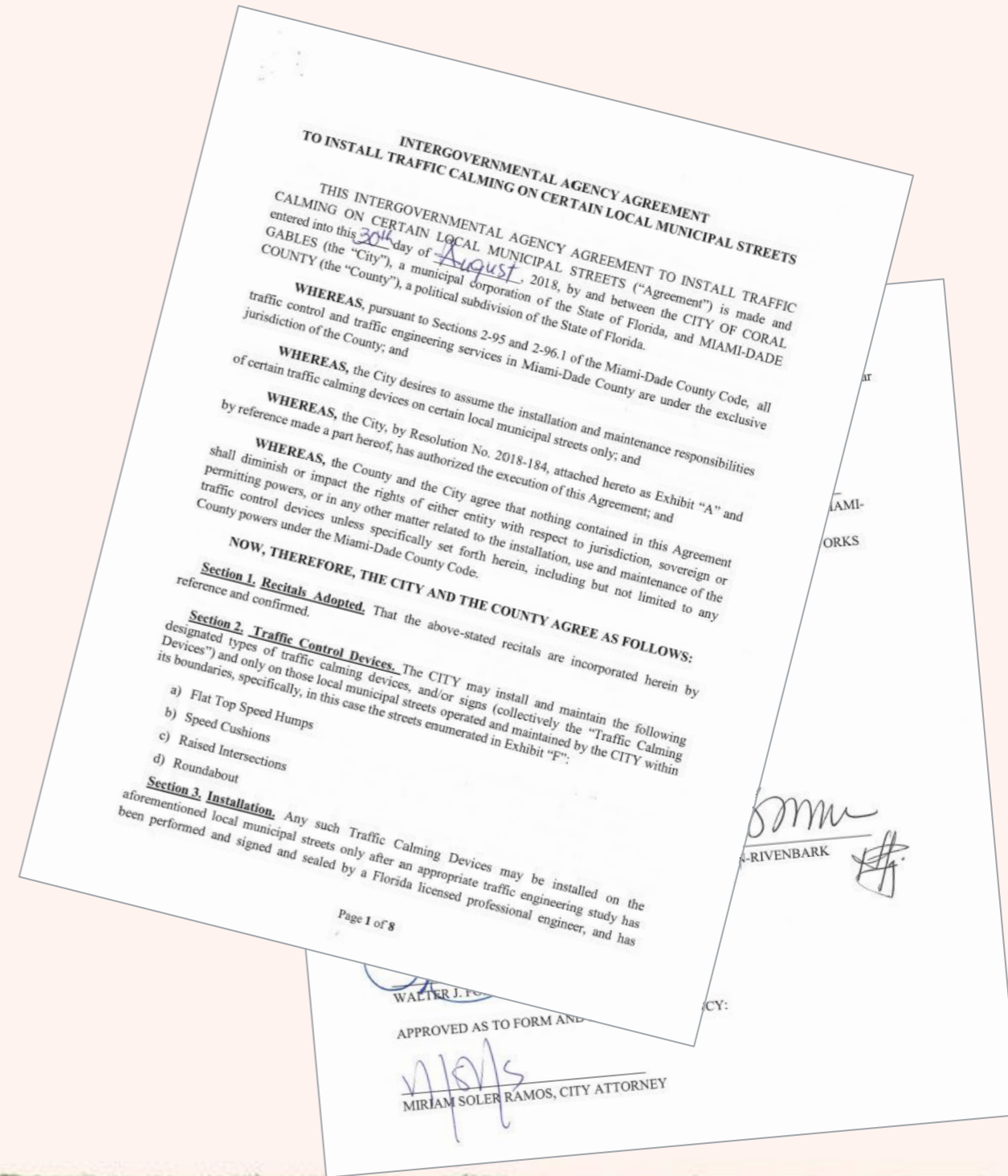
- SYSTEM APPROACH



TRAFFIC CALMING TOOLKIT

- COUNTY APPROVED MEASURES INCLUDE:

- SPEED TABLES
- SPEED CUSHIONS
- RAISED INTERSECTIONS
- CIRCLES/ROUNDBABOUTS



TRAFFIC CALMING TOOLKIT

- SPEED TABLES



TRAFFIC CALMING TOOLKIT

- SPEED CUSHIONS



TRAFFIC CALMING TOOLKIT

- RAISED INTERSECTIONS



TRAFFIC CALMING TOOLKIT

- CIRCLES/ROUNDBABOUTS

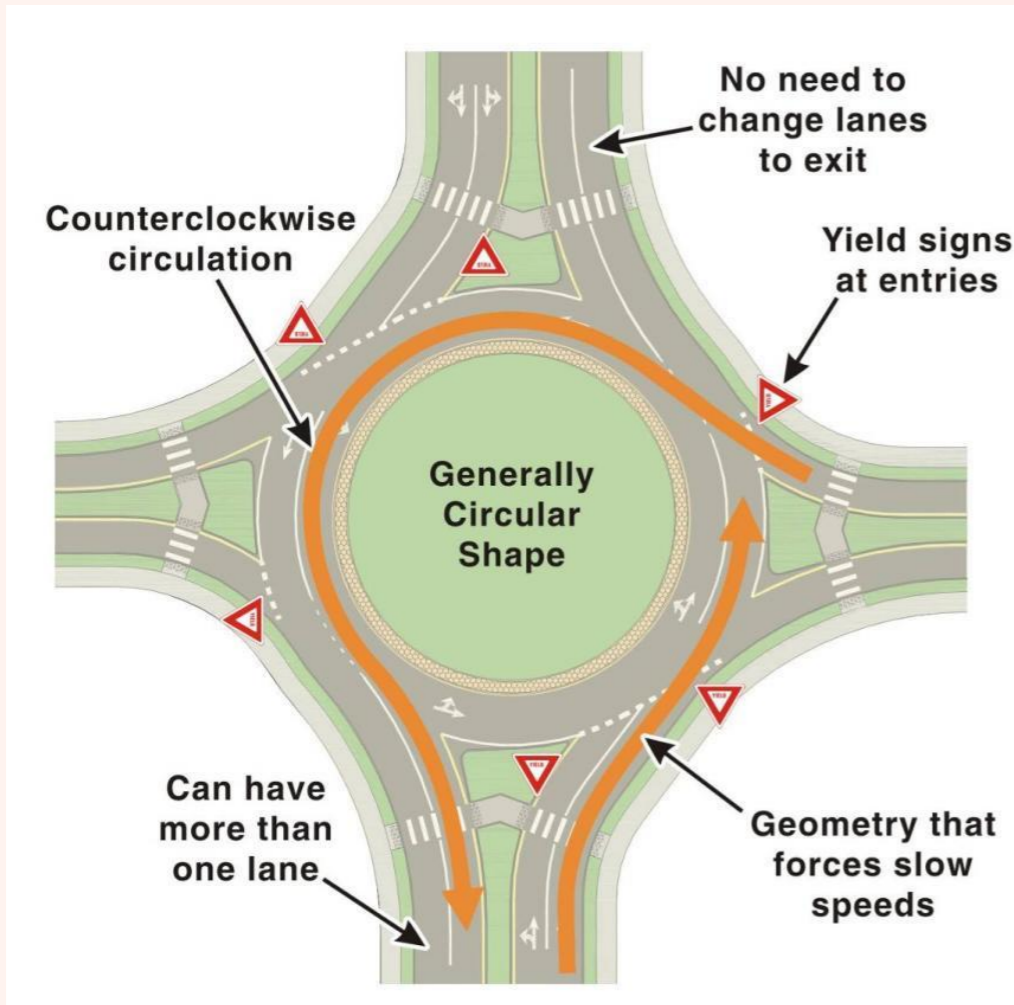
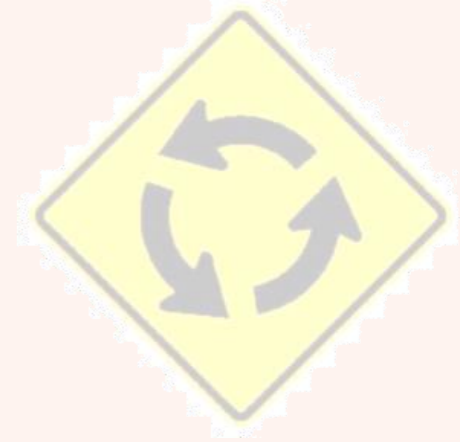


MINI-ROUNDBABOUTS



TRAFFIC CALMING TOOLKIT

- CIRCLES/ROUNDBABOUTS



TRAFFIC CALMING TOOLKIT

- PEDESTRIAN CROSSINGS / RAISED PEDESTRIAN CROSSINGS



❖ *REQUIRE MIAMI-DADE COUNTY APPROVAL*

TRAFFIC CALMING TOOLKIT

- MEDIANS / CHICANES / CHOKER



Medians

- Calls for driver attention to geometry change
- Used at mid-block and intersection



Chicanes

- Requires speed change to negotiate



Choker

- Significant change to roadway negotiation

❖ *REQUIRE MIAMI-DADE COUNTY APPROVAL*

TRAFFIC CALMING TOOLKIT

- MEDIANS



❖ *REQUIRE MIAMI-DADE COUNTY APPROVAL*

TRAFFIC CALMING TOOLKIT

- TRAFFIC SEPARATOR



❖ *REQUIRE MIAMI-DADE COUNTY APPROVAL*

TRAFFIC CALMING TOOLKIT

- **INTERSECTION CONTROLS**
 - RELOCATING STOP SIGNS TO LIMIT UNRESTRICTED TRAFFIC FLOW (STOP SIGNS / YIELD SIGNS)
- ❖ *REQUIRE MIAMI-DADE COUNTY APPROVAL*



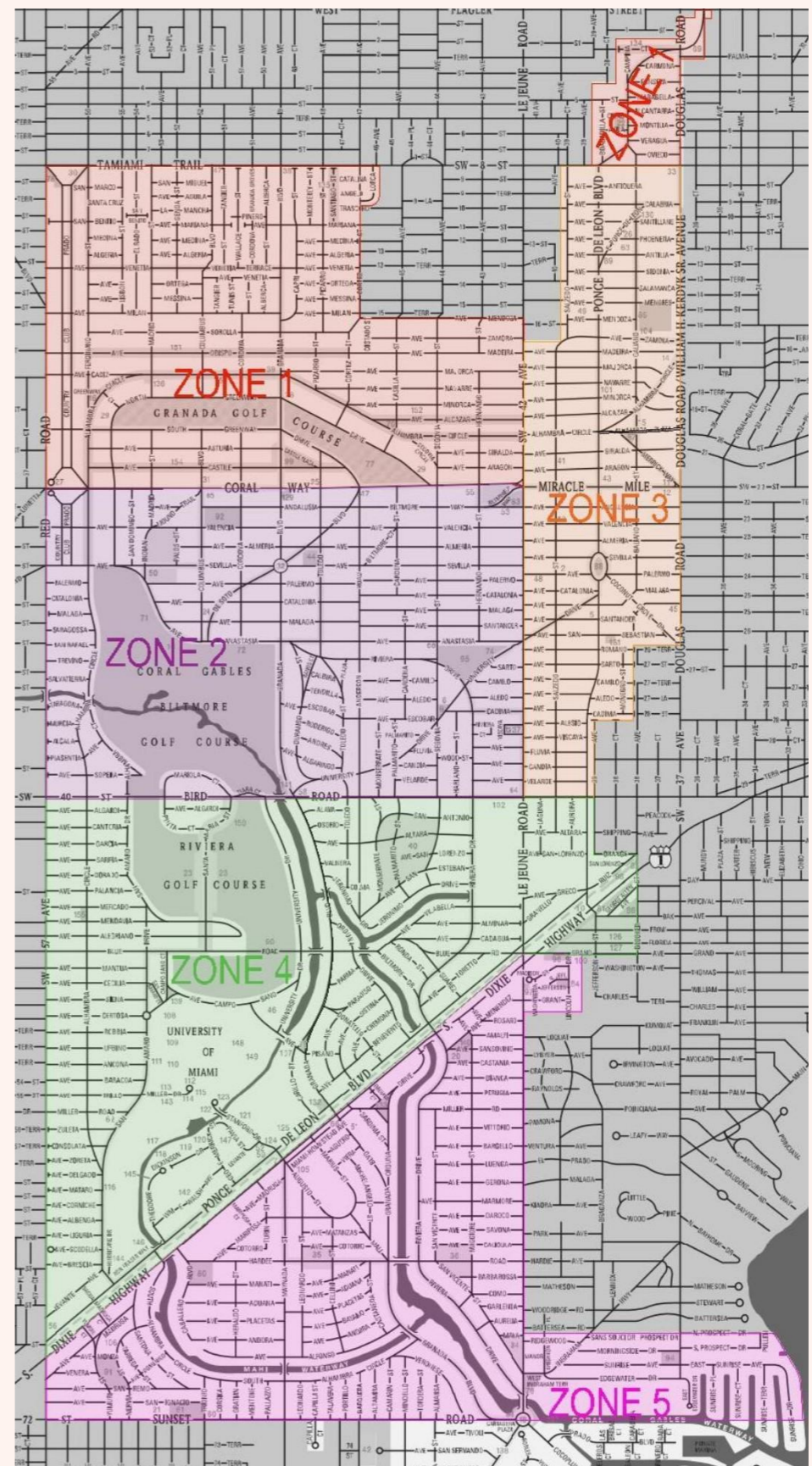
TRAFFIC CALMING TOOLKIT

- INTERSECTION IMPROVEMENTS
 - BULBOUTS (AT CORNERS)
 - REFINE INTERSECTION GEOMETRY/REALIGNMENT
 - REMOVING CONFUSING PAVED AREAS
- ❖ *REQUIRE MIAMI-DADE COUNTY APPROVAL*



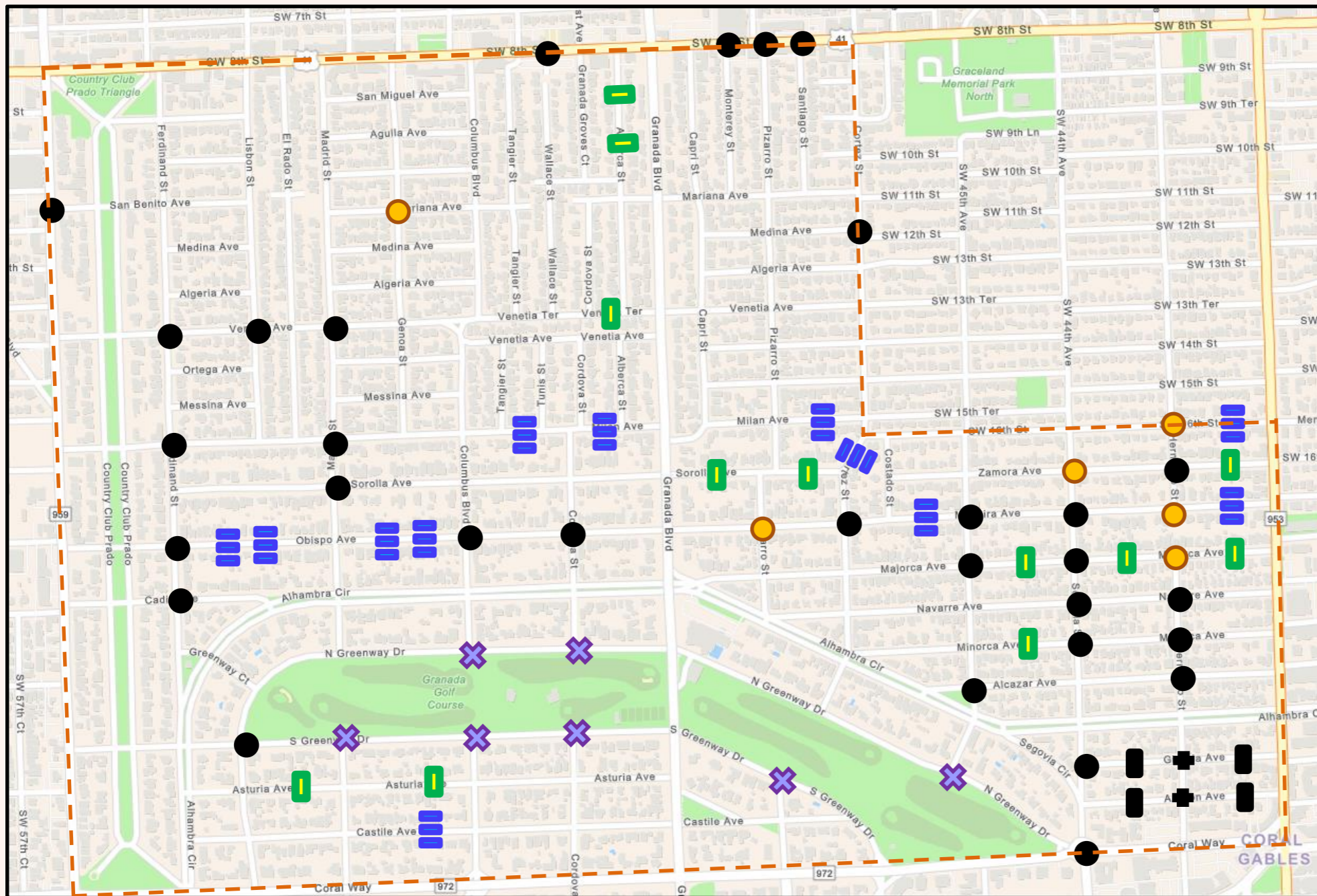
IMPLEMENTATION

- OVERALL MAP
- DIVIDED INTO 5 ZONES
 - INCREMENTAL APPROACH BEGINNING IN ZONE 1
 - TOTAL OF 123 DEVICES
 - PROJECT IS FUNDED FOR FIVE YEARS



RECOMMENDED IMPROVEMENTS FOR ZONE 1

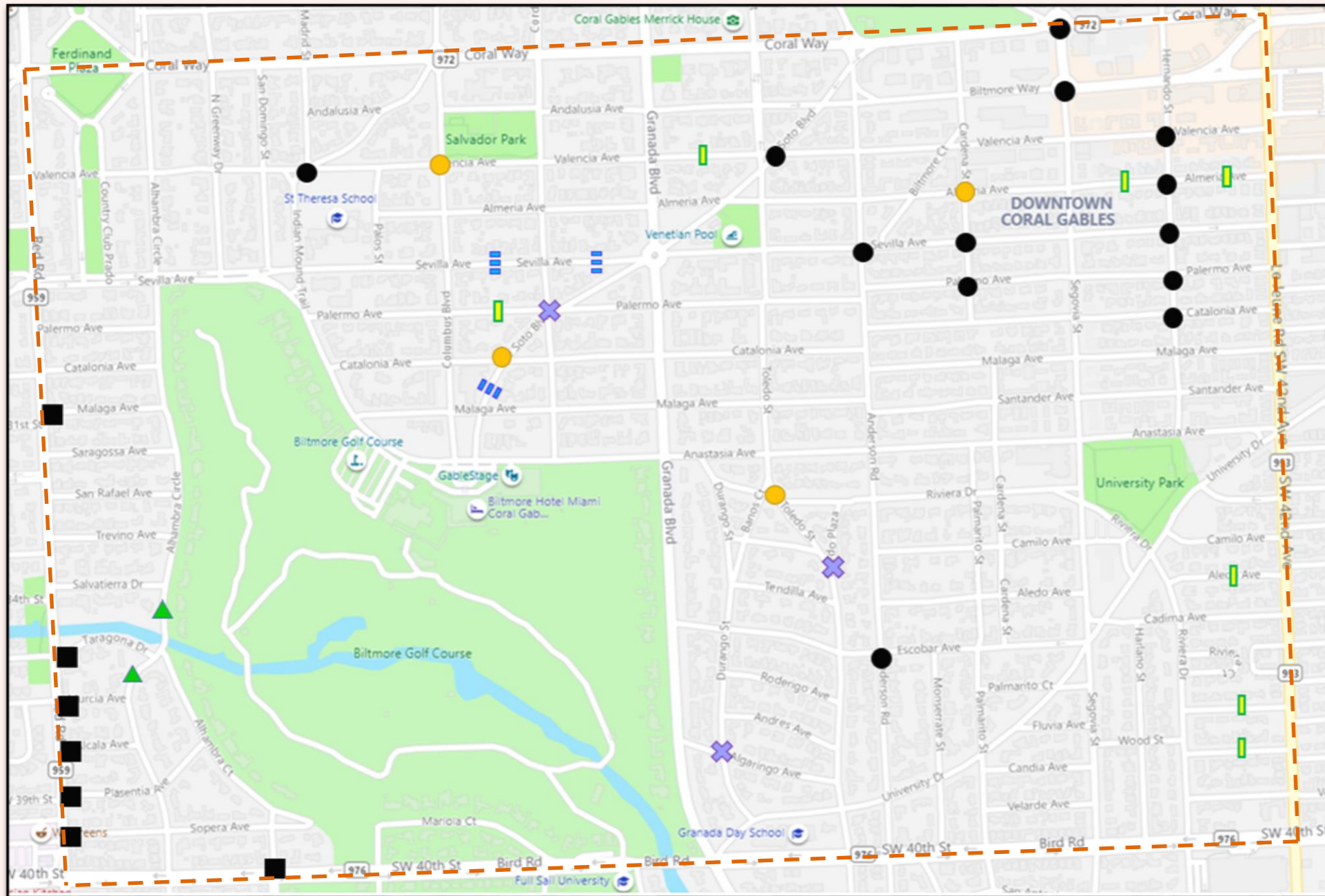
• OVERALL MAP – ALL 37 RECOMMENDATIONS COMBINED



- ■ ■ ■ ■ Existing Device
- ✕ Intersection Improvement
- Roundabout
- ▬ Speed Table
- ▬▬▬ Speed Cushion

RECOMMENDED IMPROVEMENTS FOR ZONE 2

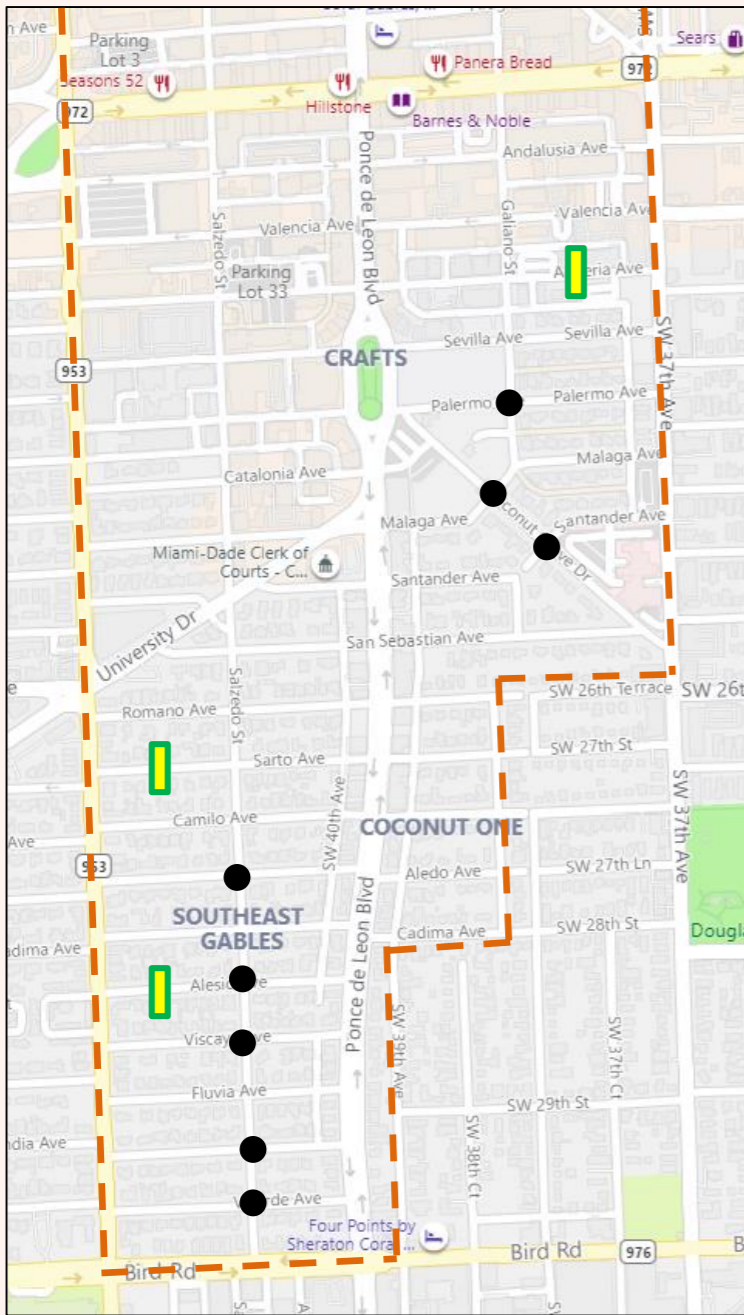
• OVERALL MAP – ALL 19 RECOMMENDATIONS COMBINED



- Existing Device
- ✕ Intersection Improvements
- Roundabout
- ▭ Speed Table
- ▭ Speed Cushion
- ▲ Median Island

RECOMMENDED IMPROVEMENTS FOR ZONE 3

- OVERALL MAP – ALL 10 RECOMMENDATIONS COMBINED



South End

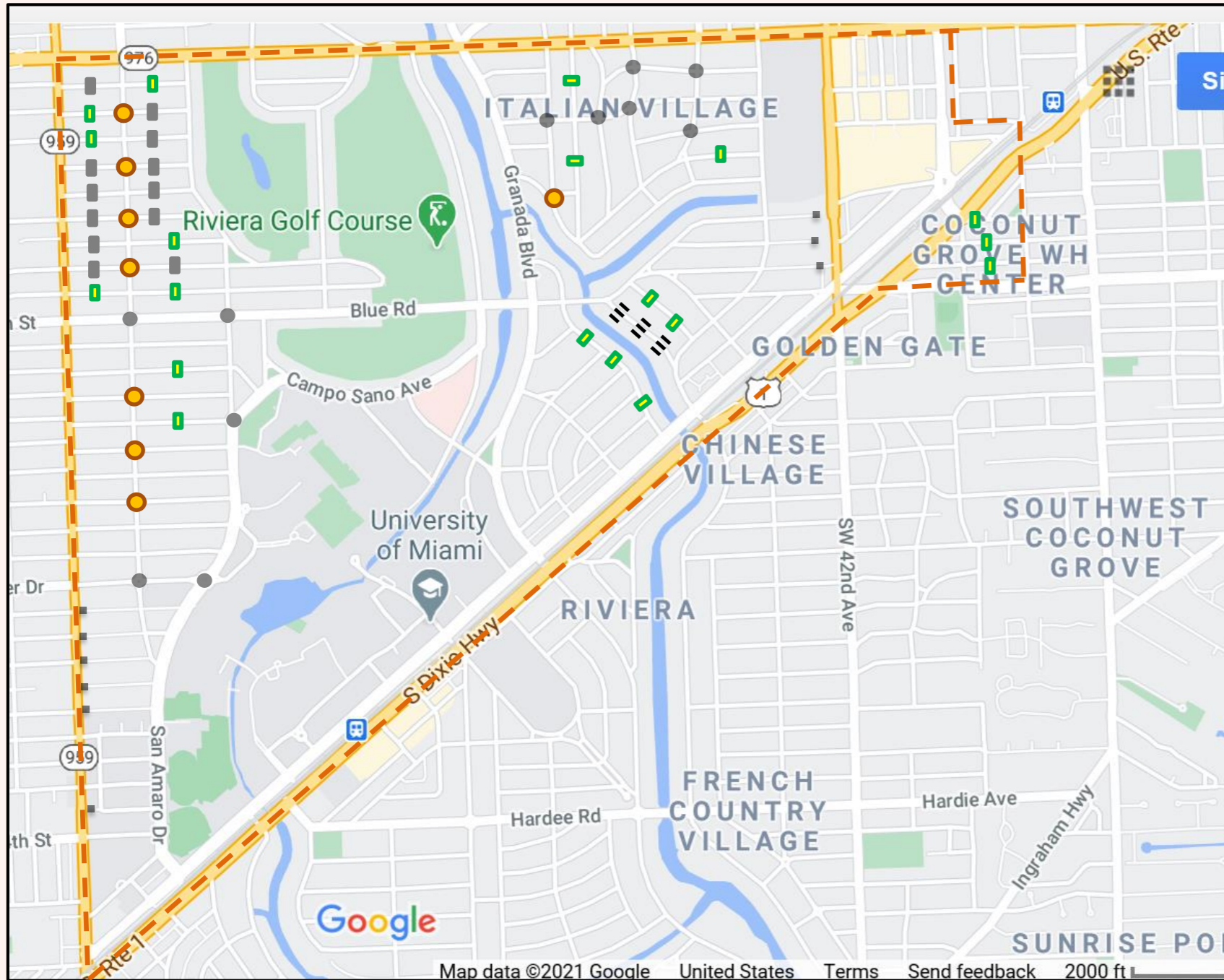


North End

- ■ ■ ■ ■ Existing Device
- Stop Control
- ▭ Speed Table
- ▭ ▭ ▭ ▭ Speed Cushion

RECOMMENDED IMPROVEMENTS FOR ZONE 4

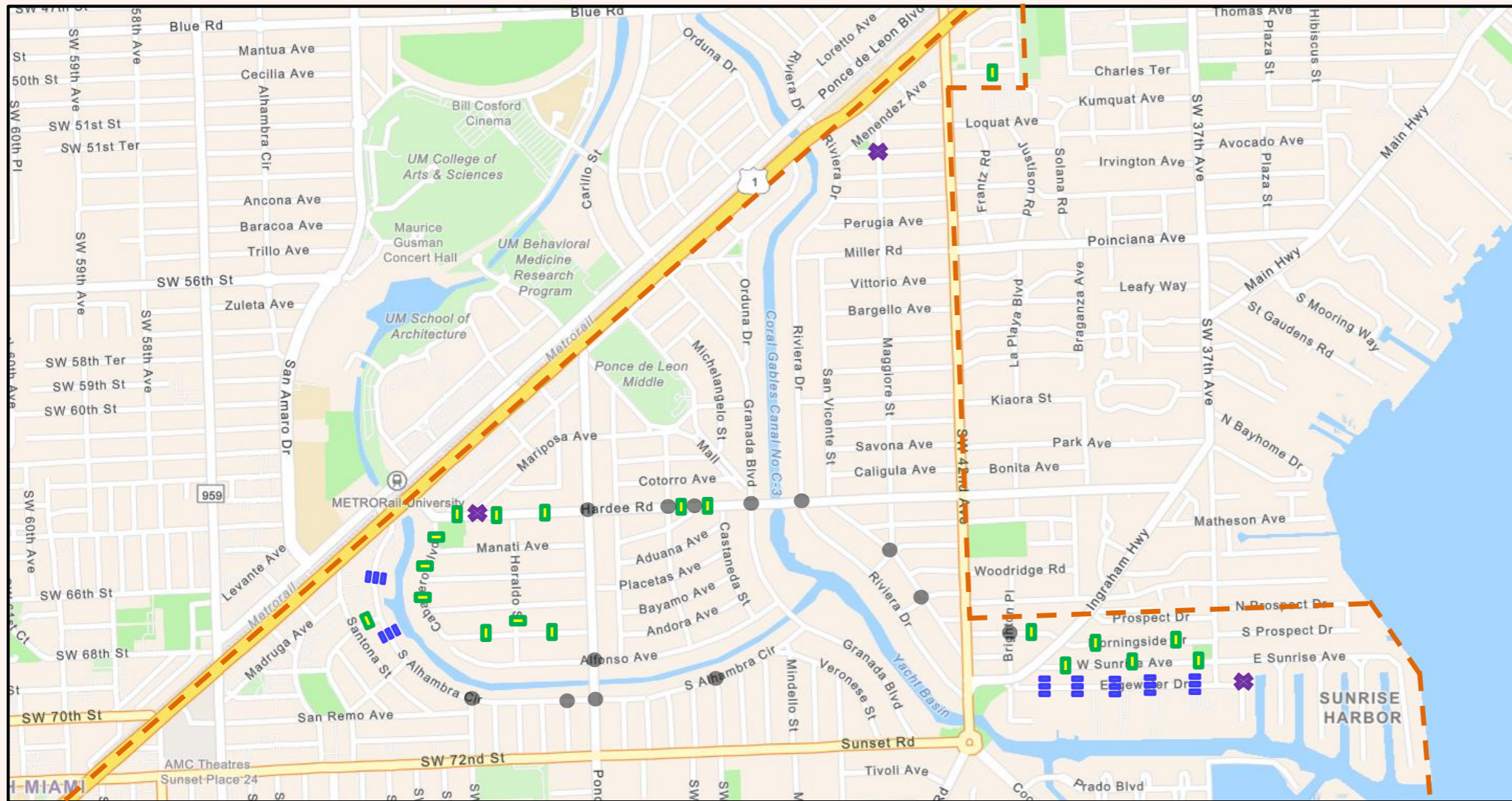
• OVERALL MAP – ALL 27 RECOMMENDATIONS COMBINED



- ■ ■ ■ ■ Existing Device
- Roundabout
- ▭ ▭ Speed Table
- ✕ Intersection Improvements

RECOMMENDED IMPROVEMENTS FOR ZONE 5

- OVERALL MAP – ALL 29 RECOMMENDATIONS COMBINED



NEXT STEPS

- CONSTRUCTION BEGINS FEBRUARY 2022
- ANTICIPATED CONSTRUCTION COMPLETION PER ZONE
 - ZONE 1 – LATE 2023
 - ZONE 2 – FALL 2024
 - ZONE 3 – EARLY 2025
 - ZONE 4 – FALL 2026
 - ZONE 5 – FALL 2027

SUMMARY

- TOTAL OF 123 RECOMMENDED DEVICES
- ALL CURRENT RECOMMENDATIONS ARE FULLY FUNDED
- BALLOT MAILINGS FOR UPCOMING ZONES WILL BE MAILED OUT CLOSER TO ANTICIPATED CONSTRUCTION DATES
- ZONES 1, 2, 3, AND 4 HAVE HAD COMMUNITY MEETINGS
- ZONE 5 COMMUNITY MEETING TO BE SCHEDULED IN 2026

Thank You!

CORAL
GABLES
THE CITY BEAUTIFUL