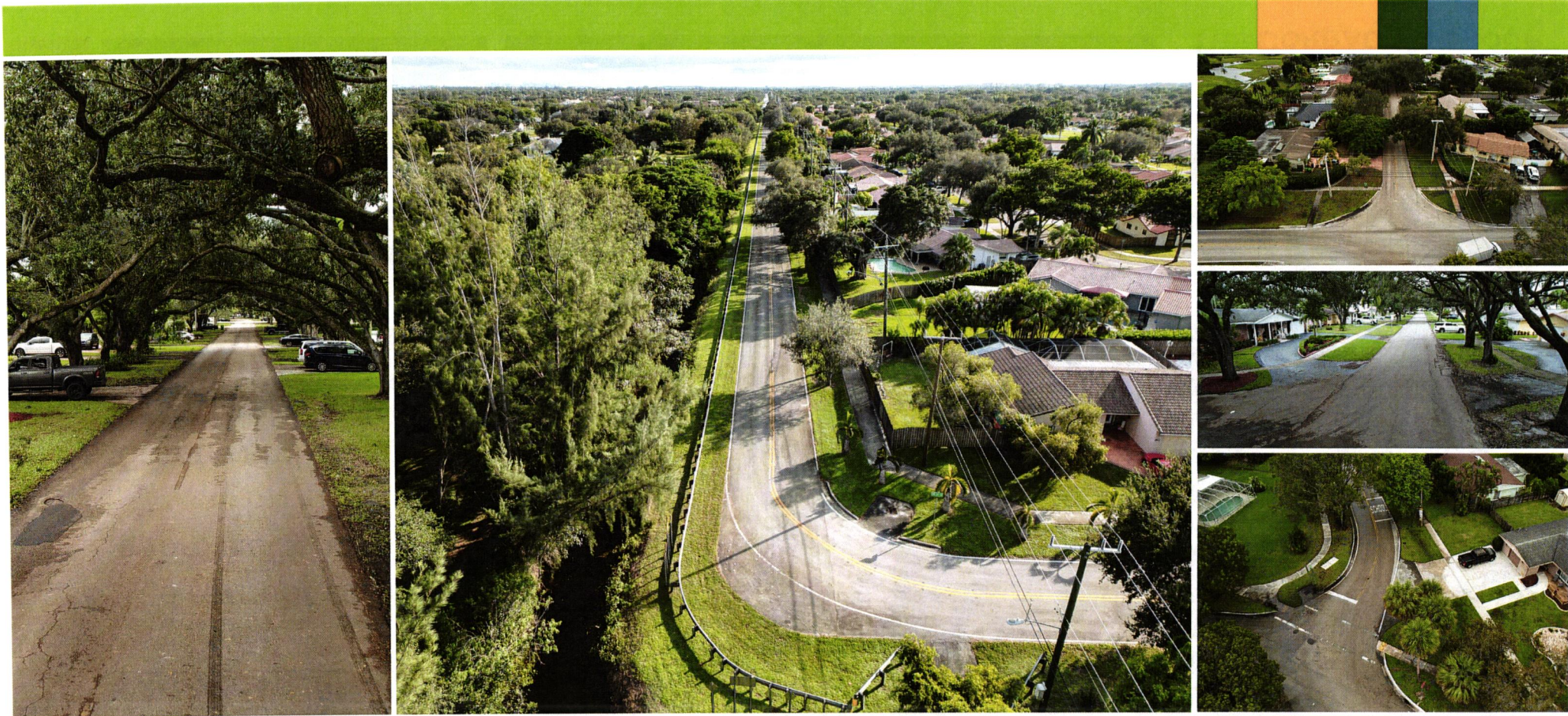


City Wide Traffic Calming Report



COOPER CITY CITY-WIDE TRAFFIC CALMING STUDY

PRESENTATION • DECEMBER 12, 2023



THE CORRADINO GROUP

City-Wide Traffic Calming Update (Introduction)

- Traffic Calming Study was completed along **51 corridor segments** within the City.
- The corridor segment locations were approved by City staff.
- Criteria and Standards:
 - Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways. (**2018 FLORIDA GREENBOOK**).
 - City of Cooper City Code of Ordinance Article IV *Traffic Calming Devices Sec. 17-38 Public Roads*.



Traffic Data Collection & Evaluation

- 72-hour Bi-directional Speed and Volume data collected at the 51 road segment locations.
 - Traffic Data was collected between mid-May and mid-June 2023.
- 5-year Crash Review (8/01/2018 to 7/31/2023).
- Field Reviews completed along corridors with 85th Percentile Speeds that Exceed the Posted Speed.



Corridor Segments of Interest

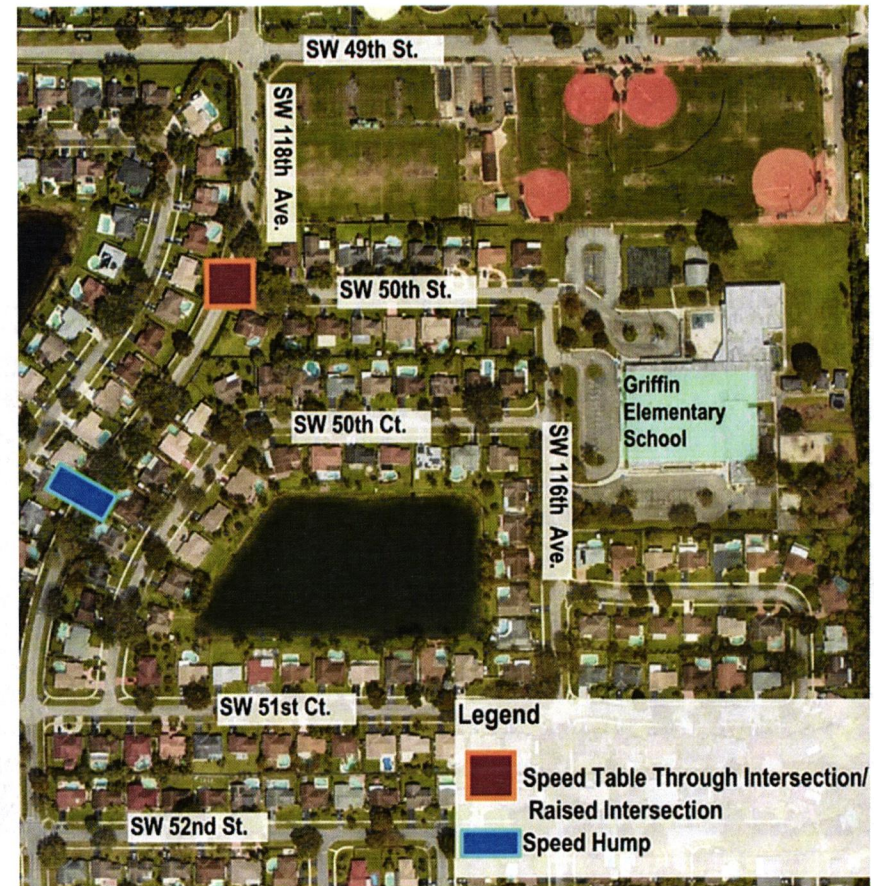
Street Name	Limits	Posted Speed	85 th Percentile Speed	MPH Over 85 th Percentile	Volume
SW 118 th Avenue	SW 49 th Street to SW 52 nd Street	25	34	9	2,716
Hiatus Road	Stirling Road to SW 55 th Street	30	45	15	307
Stonebridge Parkway	NE Lake Boulevard to SE Lake Boulevard	30	38	8	2,385
SW 118 th Avenue	Griffin Road to SW 49 th Street	25	33	8	4,229
SW 106 th Avenue	Stirling Road and Griffin Road	35	47	12	5,175
SW 52 nd Street	94 th Avenue to SW 95 th Avenue	25	27	2	3,180
Hiatus Road	Sheridan Street to NE Lake Boulevard	40	46	6	12,319

SW 118th Avenue - SW 49th Street to SW 52nd Street

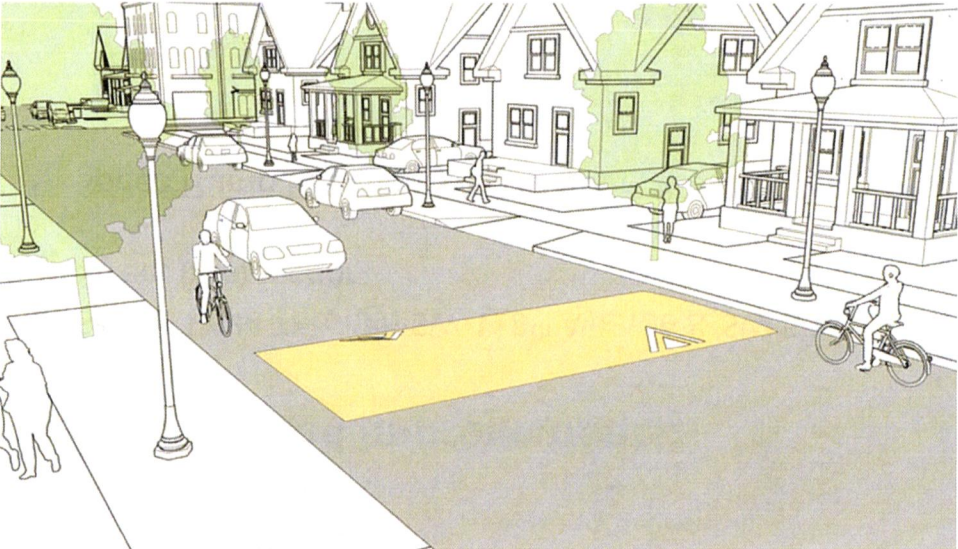
Posted Speed	25 MPH
85 th Percentile	34 MPH
MPH Over 85 th Percentile	9
Volume	2,716

Recommended Improvements:

- Speed Table Through SW 118th Avenue & SW 50th Street Intersection
- Speed Hump Between SW 51st Court & SW 50th Street



SW 118th Avenue - SW 49th Street to SW 52nd Street



Hiatus Road - Stirling Road to SW 55th Street

Posted Speed	30 MPH
85 th Percentile	45 MPH
MPH Over 85 th Percentile	15
Volume	307

Recommended Improvements:

- Speed Hump Between SW 55th Street & SW 56th Court
- Speed Hump Between SW 57th Circle & SW 59 Street



Hiatus Road - Stirling Road to SW 55th Street



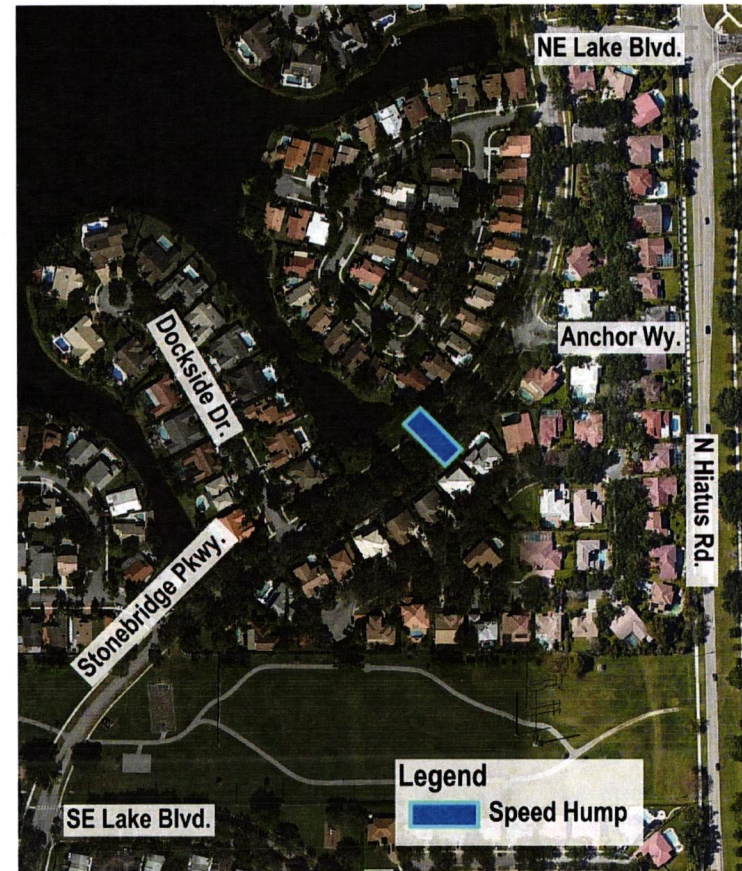
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Stonebridge Parkway - NE Lake Boulevard to SE Lake Boulevard

Posted Speed	30 MPH
85 th Percentile	28 MPH
MPH Over 85 th Percentile	8
Volume	2,385

Recommended Improvements:

- Speed Hump Between Anchor Way & Dockside Drive



Stonebridge Parkway - NE Lake Boulevard to SE Lake Boulevard



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SW 106th Avenue Between Stirling Road and Griffin Road

Posted Speed	35 MPH
85 th Percentile	47 MPH
MPH Over 85 th Percentile	12
Volume	5,175

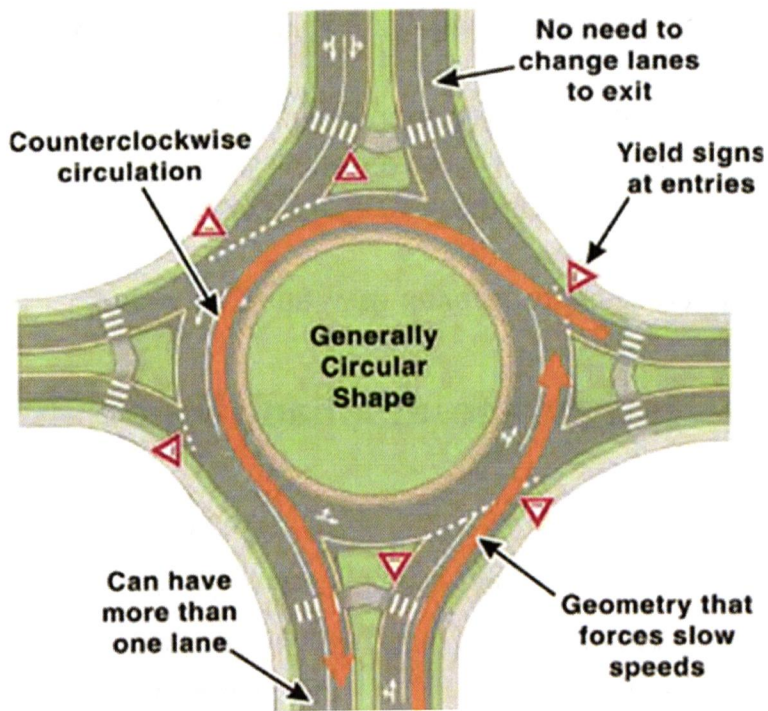
Recommended Improvements:

- Lane Narrowing with Pavement Marking along the Entire Corridor
- At Grade Texture Pavement at:
 - SW 106th Avenue & SW 49th Place
 - SW 106th Avenue & SW 57th Place
- Roundabout or Slightly Raised Texture Pavement at SW 106th Avenue & SW 51st Street



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SW 106th Avenue Between Stirling Road and Griffin Road



Corridor Segments W/No Proposed Improvements

Street Name	Limits	Posted Speed	85 th Percentile Speed	MPH Over 85 th Percentile	Volume
SW 52 nd Street	94 th Avenue to SW 95 th Avenue	25	27	2	3,180
Hiatus Road	Sheridan Street to NE Lake Boulevard	40	46	6	12,319

- SW 52nd Street between 94th Avenue to SW 95th Avenue
 - 0 MPH Over Posted Speed Limit (Eastbound)
 - 3 MPH Over Posted Speed Limit (Westbound)
 - 8 total Crashes within the 5-year review: 1-Pedestrian, 3-Angle, 2-Sideswipe, 2-Backed into. No Fatalities.
- Hiatus Road between Sheridan Street to NE Lake Boulevard
 - Roundabout With the Intersection at NE Lake Boulevard is Under Planning Stages

Traffic Calming Improvement Plan General Costs at Corridor Segments of Interest (Draft)

Traffic Calming Improvements	Unit Cost	Contingency (15 %)	Design Permitting & Mobilization (30 %)	Total Cost
Mini Roundabout*	\$200,000	\$30,000	\$60,000	\$290,000
Raised Speed Table/Intersection**	\$100,000	\$15,000	\$30,000	\$145,000
Speed Hump ***	\$ 35,000	\$5,250	\$10,500	\$50,750
At Grade Texture Pavement Through Intersection ****	\$ 50,000	\$7,500	\$15,000	\$72,500
Lane Narrowing (Pavement Markings)*****	About \$1.75 per SF, Including M&R 1"			

- *Mini Roundabout (Neighborhood Traffic Circle) is proposed at the SW 106th Avenue and SW 51st Street intersection (subject to Feasibility Study)
- ** Raised Speed Table/Intersections are proposed at the SW 118th Avenue and SW 50th Street intersection
- *** Speed Humps are proposed at the SW 118th Avenue between SW 51st Court and SW 50th Street; Hiatus Road between SW 55th Street and SW 56th Court; Hiatus Road between SW 57th Circle and SW 59th Street; Stonebridge Parkway between Anchor Way and Dockside Drive
- **** Textured Pavement with Pavement Marking and Signage (Lane Narrowing) proposed at the SW 106th Avenue and SW 49th Place intersection; SW 106th Avenue and SW 57th Place intersection