

Golf Cart Program Update

City Commission Work Session

September 19, 2023



Agenda

- Introductions
- What is this Project?
- Regulatory Review
- Dunedin's Program
- Hot Topics
- Survey
- Next Steps



Introductions

What is this Project?

- Regulatory & Document Review
 - State, County, Local Regulations
 - Relevant Master Plans
- Program Evaluation
 - Charging & Parking
 - Best Practices
 - FDOT Crossings & Compliance
 - Registration Trends



What is this Project?
















- Public Engagement
 - Working Group Meetings (2)
 - Online Survey
 - Public Meeting (1)
 - City Commission Workshop (1)
 - LPA (1)
 - City Commission (1)

Project Outcomes

- Charging Infrastructure Analysis
- Crossings & Operating Areas Review
- LDC Recommendations
 - Parking Offsets & Design Standards
 - Repair and Sales Use Downtown
- Safety & Education

Regulatory Overview

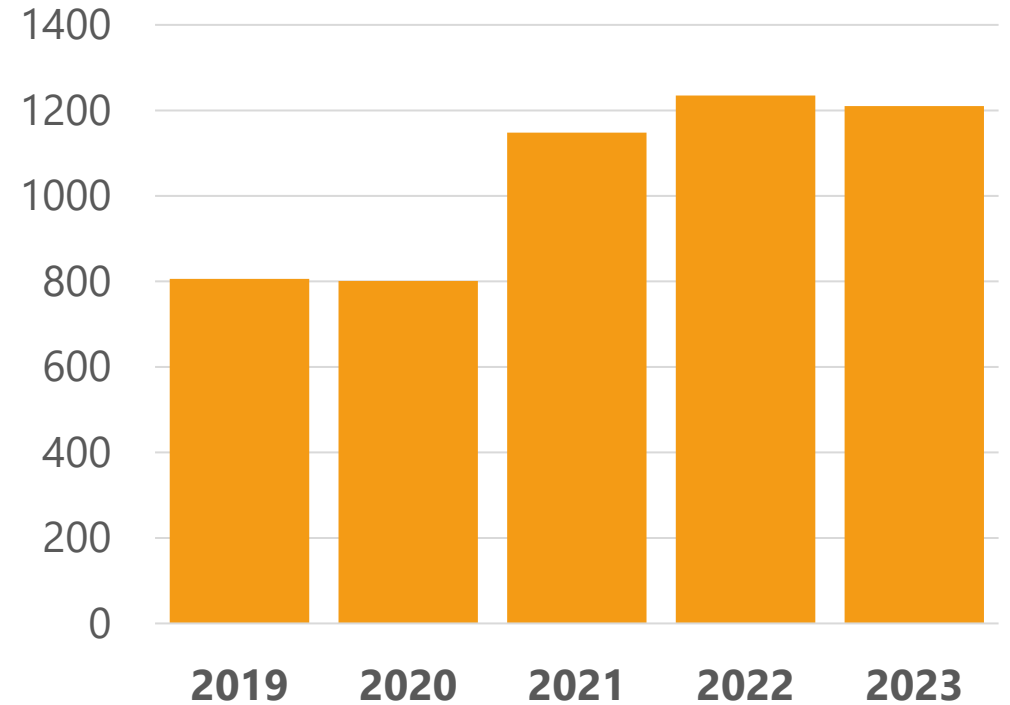
- Florida Statutes
 - Enables programs
 - Minimum standards
- FDOT
 - Approves state crossings
- Pinellas County
 - Crossings on county roads
 - Signal timing requests
- City of Dunedin
 - Set service areas
 - Require additional rules

	Required Y / N	Golf Cart Dunedin	Golf Cart F.S.	Low-Speed Vehicle
 Headlights	Y	Y	Y	Y
 Taillights	Y	Y	N	Y
 Brake Lights	Y	Y	N	Y
 Turn Signals	Y	Y	N	Y
 Horn	Y	Y	N	Y
 Reflectors	Y	Y	Y	Y
 Windshield	Y	Y	N	Y
 Mirror (1)	Y	Y	Y	N
 Mirrors (2+)	N	N	N	Y
 Seatbelts	Y	Y	N	Y
 License Plate	N	N	N	Y
 Insurance	Y	Y	N	Y
 Operator Age	16	16	15	16
 License	Y	Y	N	Y

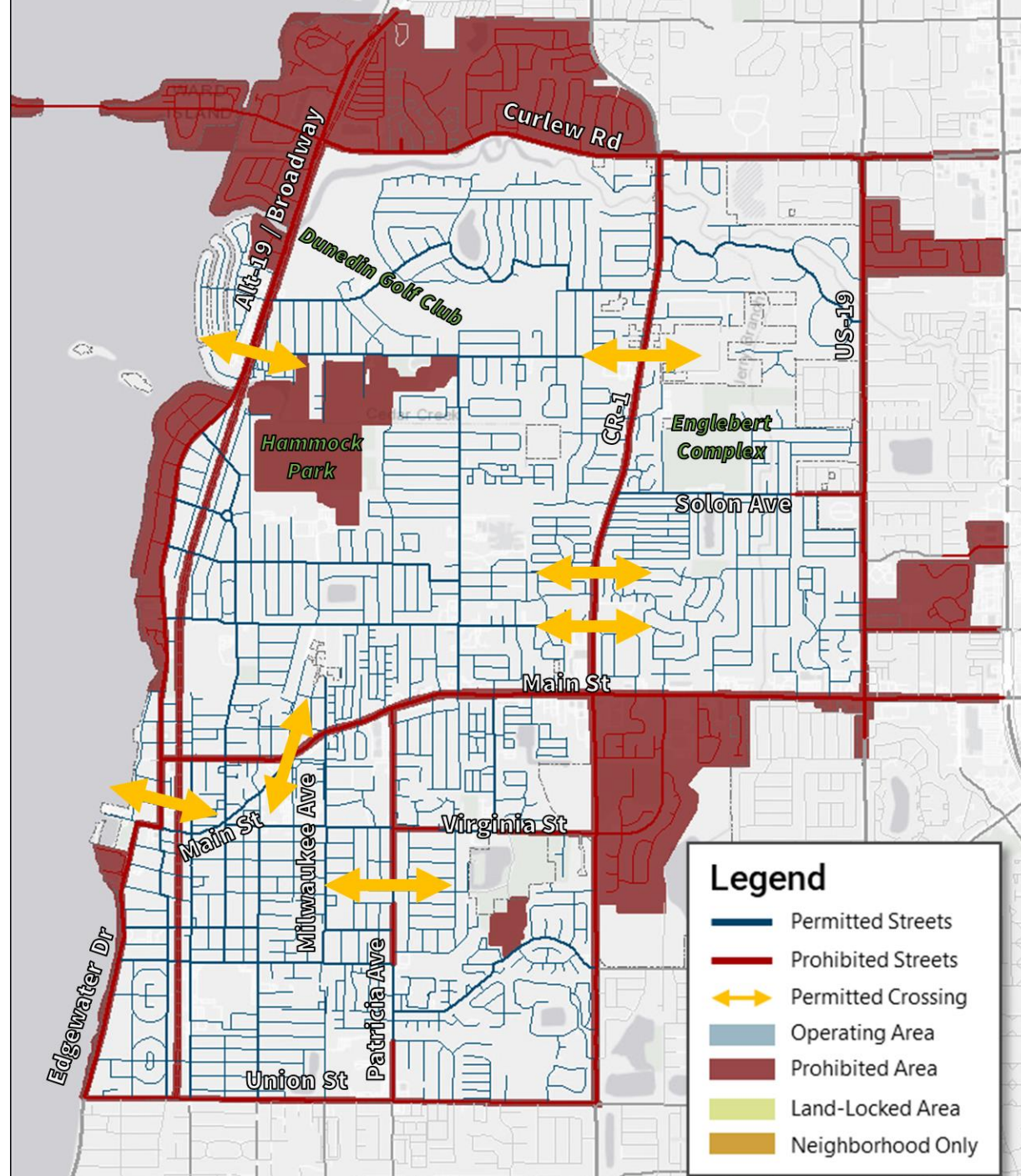
Dunedin's Program

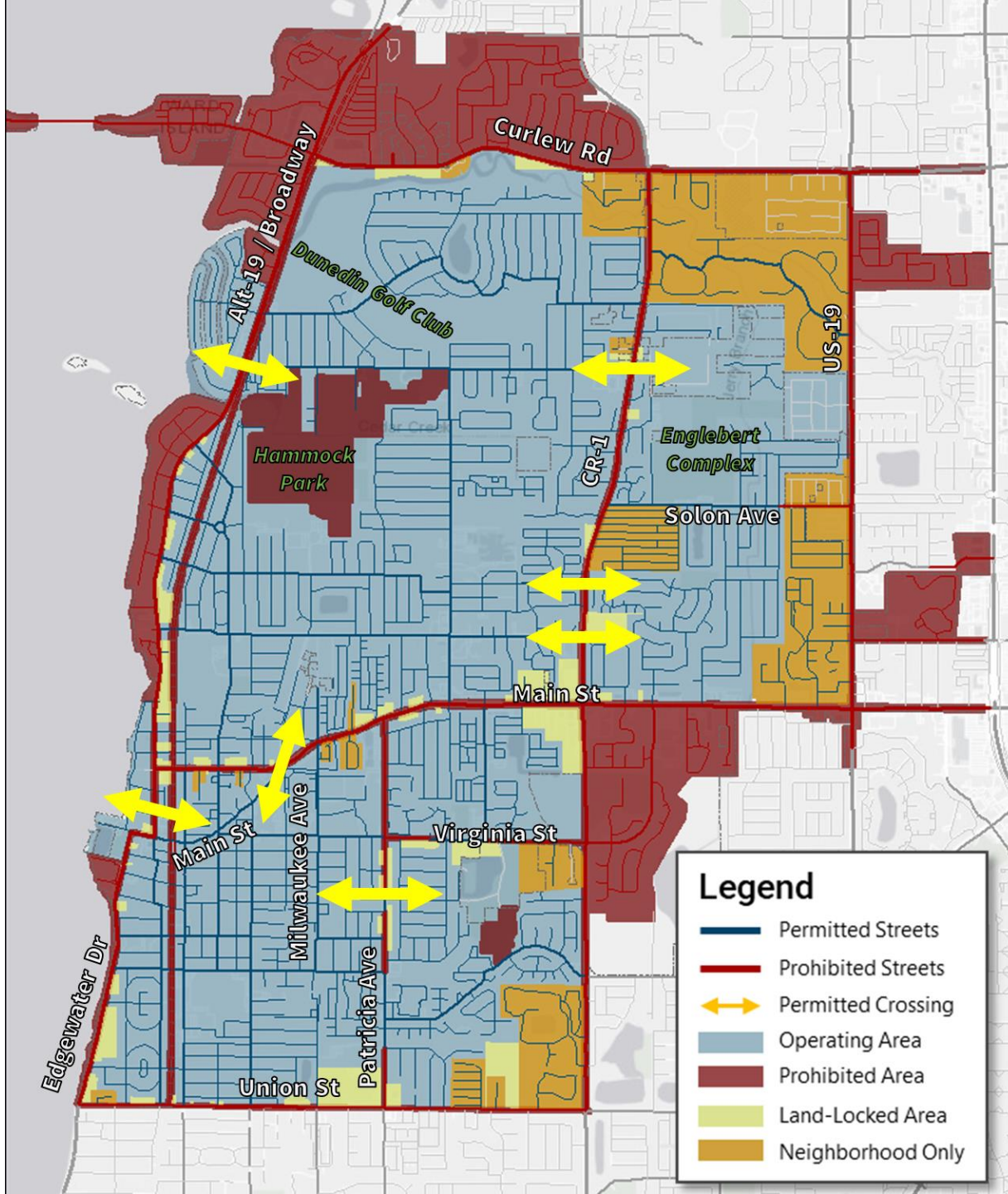
- Operating Zones, Crossings
 - 3 Zones
 - 7 Crossings
- Equipment and Rules
- Registration
- Parking
- Enforcement
- Charging

Registrations, 2019-23 (as of 4/23)









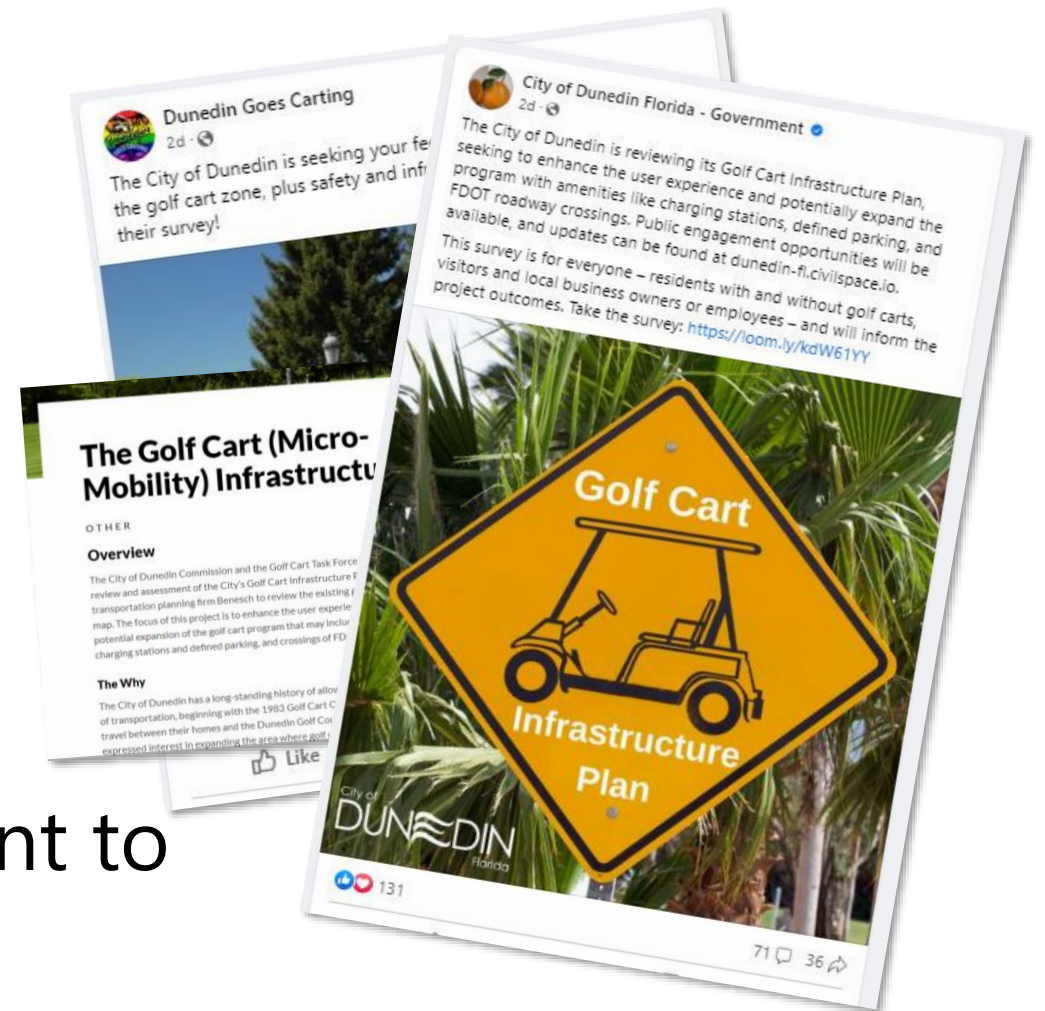
Public Survey

- Open 6/19 to 7/24
- Structure and Takeaways
 - Overall Program Perception
 - Strengths and Weaknesses
 - Trip Frequency, Length, and Purpose
 - Safety Concerns
 - Free Response



Public Survey

- 2,200 Responses
- Viewpoints
 - 46%** Ride 3+ Times/Week
 - 39%** Don't Use Carts
- Why not?
 - 44%** Don't Own, But Want to
 - 29%** Don't Own, and Don't Want to



Public Survey Preliminary Takeaways

- Top Wants

- 68%** More Crossings
- 47%** Designated Paths
- 34%** More Parking
- 30%** More Signage
- 26%** Public Charging
- 19%** Cart Wayfinding
- 19%** Safety Training

- Top Concerns

- 56%** Lack of Crossings
- 45%** Non-Cart Driver Behavior
- 39%** Lack of Designated Paths
- 32%** Improper Riding (Location)
- 23%** Improper Crossing
- 17%** Cart Driver Behavior
- 14%** Poor Rule Understanding

Survey Trends | Safety & Compliance

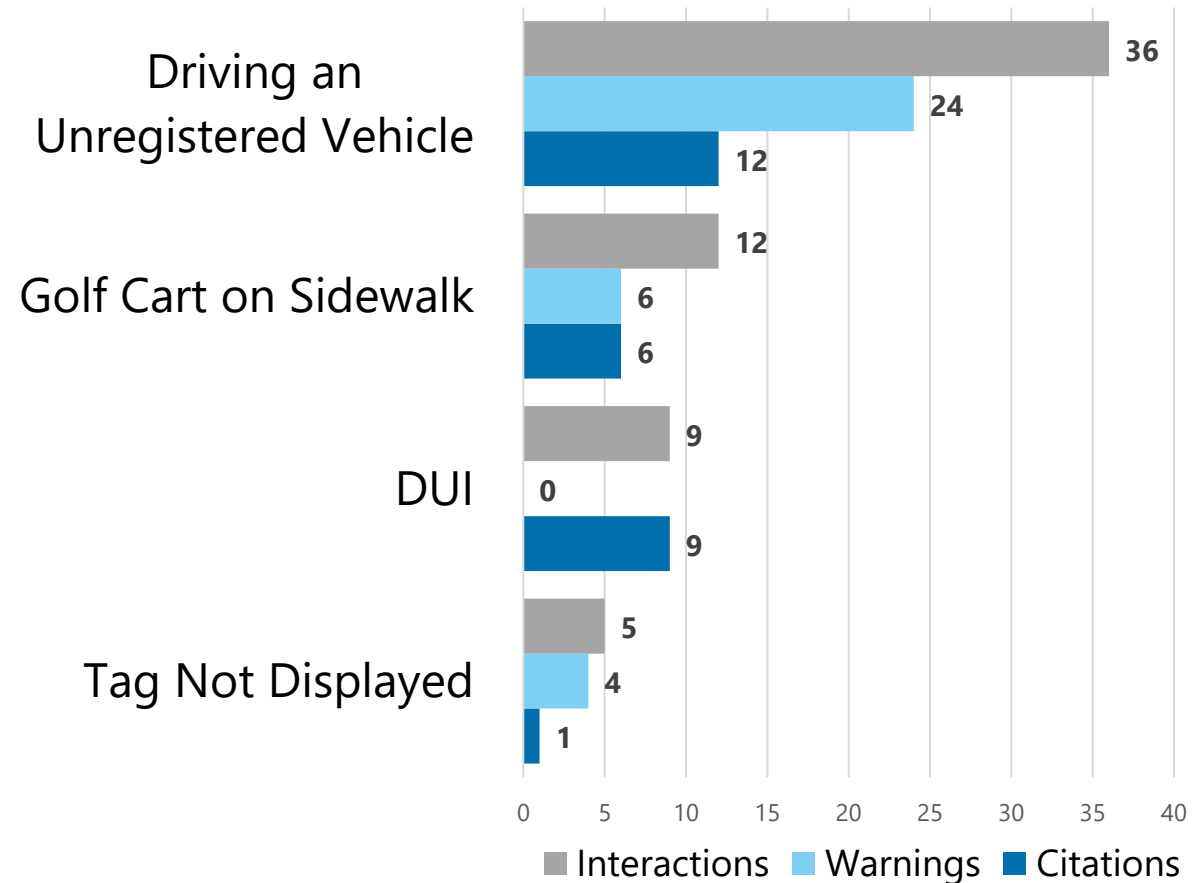
- Under-Age Operation
- Child Seats / Seatbelts
- Cart Driver Behavior & Crossing Compliance
- Interaction w/Larger Vehicles
- Parking Compliance
- Enforcement & Crashes...



Survey Trends | Enforcement

- 178 PCSO Interactions
- January 1, 2021 to June 30, 2023
- Dunedin, Palm Harbor, Safety Harbor, and Oldsmar
- 41% Citation Rate
- 93% Over 18+

Top 4 Interactions



Survey Trends | Crashes

Year	Location	Crash Type	Explanation	Crash Severity	Location	Intersection
2022	Victoria Dr and Monroe St	Fixed Object	Driver medical episode	Injury	Roadway	Intersection
2021	Main St and Highland Ave	Fixed Object	Car driver struck parked cart (DUI)	Property Damage Only	Roadway	Non-Intersection
2020	Broadway and Florida Ave	Fixed Object	Cart driver struck parked car (distracted)	Property Damage Only	Roadway	Non-Intersection
2020	Causeway Blvd and Gary Cir	Rear End	Cart driver rear-ended car	Property Damage Only	Roadway	Non-Intersection
2020	Milwaukee Ave and Beltrees St	Rear End	Vehicle rear-ended cart (distracted / DUI)	Property Damage Only	Roadway	Intersection
2019	722 Broadway	Other	Utility pole fell on parked cart	Property Damage Only	Parking Lot	Non-Intersection
2019	Douglas Ave and Mira Vista Dr	Other	Cart passenger fell off vehicle (driver DUI)	Serious Injury	Roadway	Non-Intersection

Survey Trends | *Crossings & Operating*

- Too Few Crossings
- Unaware of Crossings
- Circuitous Routes
- Access to Palm Harbor



Survey Trends | *Downtown*

- Designated Parking & Charging
- Development Trade-Off
- Golf Cart Sales & Repair



General Discussion

Next Steps

- Finalize Survey Results
- Stakeholder Meeting #2 | Fall/Winter 2023
- Local Planning Agency | Fall 2023
- Public Meeting | Fall 2023
- Commission Meeting | Early 2024
 - Approval of Final Report