

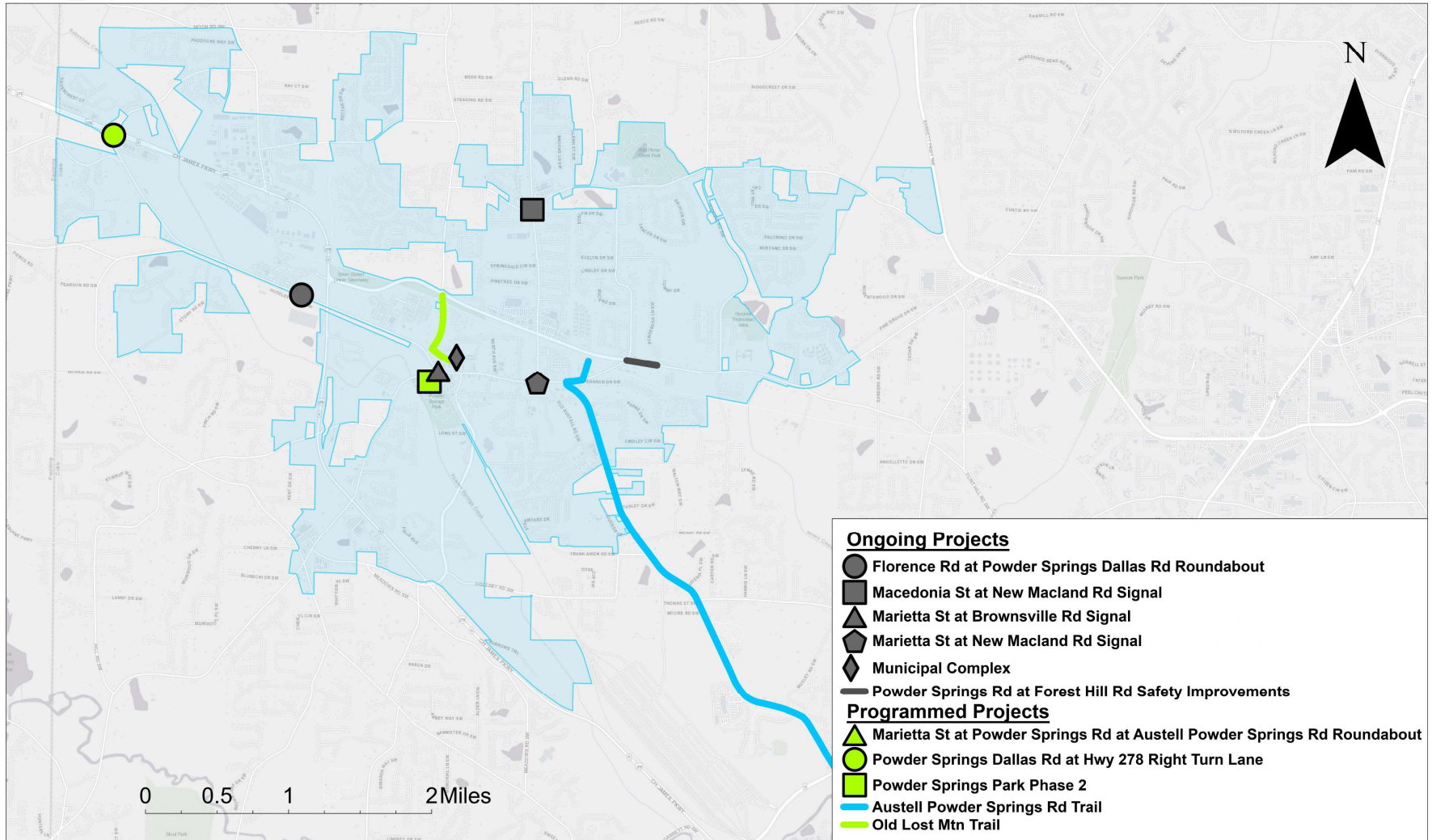
# 2022 SPLOST List

## Powder Springs

TIER 1 City of Powder Springs Projects	Estimated Project Cost
Public Safety - Replacement Vehicles; mobile and body cameras; radio upgrades	\$1,000,000.00
Austell Powder Springs Road Trail	\$500,000.00
Downtown parking/ road improvements	\$1,500,000.00
Roadway Safety Improvements (such as dedicated turn lanes, railroad, lighting, roundabouts, intersections, etc.)	\$2,150,000.00
Traffic Signals	\$750,000.00
Street Resurfacing - Citywide based on road rating report	\$3,600,000.00
Sidewalk and drainage associated with road projects	\$1,000,000.00
Parks including linear Park and the redesign of the old side of Powder Springs Park	\$2,000,000.00
Facilities upgrades/ renovations/expansion (includes facilities for youth and/or seniors)	\$1,803,887.75
City of Powder Springs Total Cost	\$14,303,887.75
<i>Total City Allocation</i>	\$14,303,887.75
Joint Project with County - Downtown Parking/ road improvements	\$1,000,000.00
Joint Project with County - Parks including linear Park and the redesign of the old side of Powder Springs Park	\$1,000,000.00
Joint Project with County - Facilities upgrades/ renovations/expansion (includes facilities for youth and/or seniors)	\$1,000,000.00
City of Powder Springs with Joint Funds	\$17,303,887.75



# Current City Projects



# Current City Projects

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## Current Ongoing Projects

- Linear Park Connectors: \$24,000, May 24 – June 24.
- Powder Springs Rd at Forest Hill Rd Safety Improvements: \$1.8m, Start Q3 2024
- Powder Springs-Dallas Rd at Florence Rd Roundabout: \$1.5m, Start Q2 2024
- Marietta St at Brownsville Rd Signal: \$665,000, Completion Q2 2024
- Marietta St at New Macland Rd Signal: \$410,000, Start Q2 2024
- Municipal Building: \$3.1m (SPLOST), Completion Q1 2025
- Resurfacing Program: \$1.7m (2024), Start Q2 2024
- Police Vehicles: \$160,000 per year x 4 years

Total Cost to City: \$9,839,000

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## Current Programmed but Undesigned Projects

- Marietta St at Austell PS Rd Roundabout: Concept/Design Est. \$700,000 (City match 20%), RFQ
- Powder Springs Park Phase 2: \$1.2m, Start Q3 2024
- Austell PS Rd Trail: \$500,000 from City (Needs congressional budget to pass)
- Old Lost Mountain Trail: Concept/Design Est. \$800,000, RFQ
- Right Turn Lane at Grace Bapt. Church (Design Proposal Submitted): \$325,000, Start Q1 2025
- Quiet Zone Construction: \$300k-\$500k per crossing, Start dependent on Norfolk Southern
- Train Crossing Notification System: \$39,000
- Truck Route Plan Implementation Phase I: \$8,000 for Signage

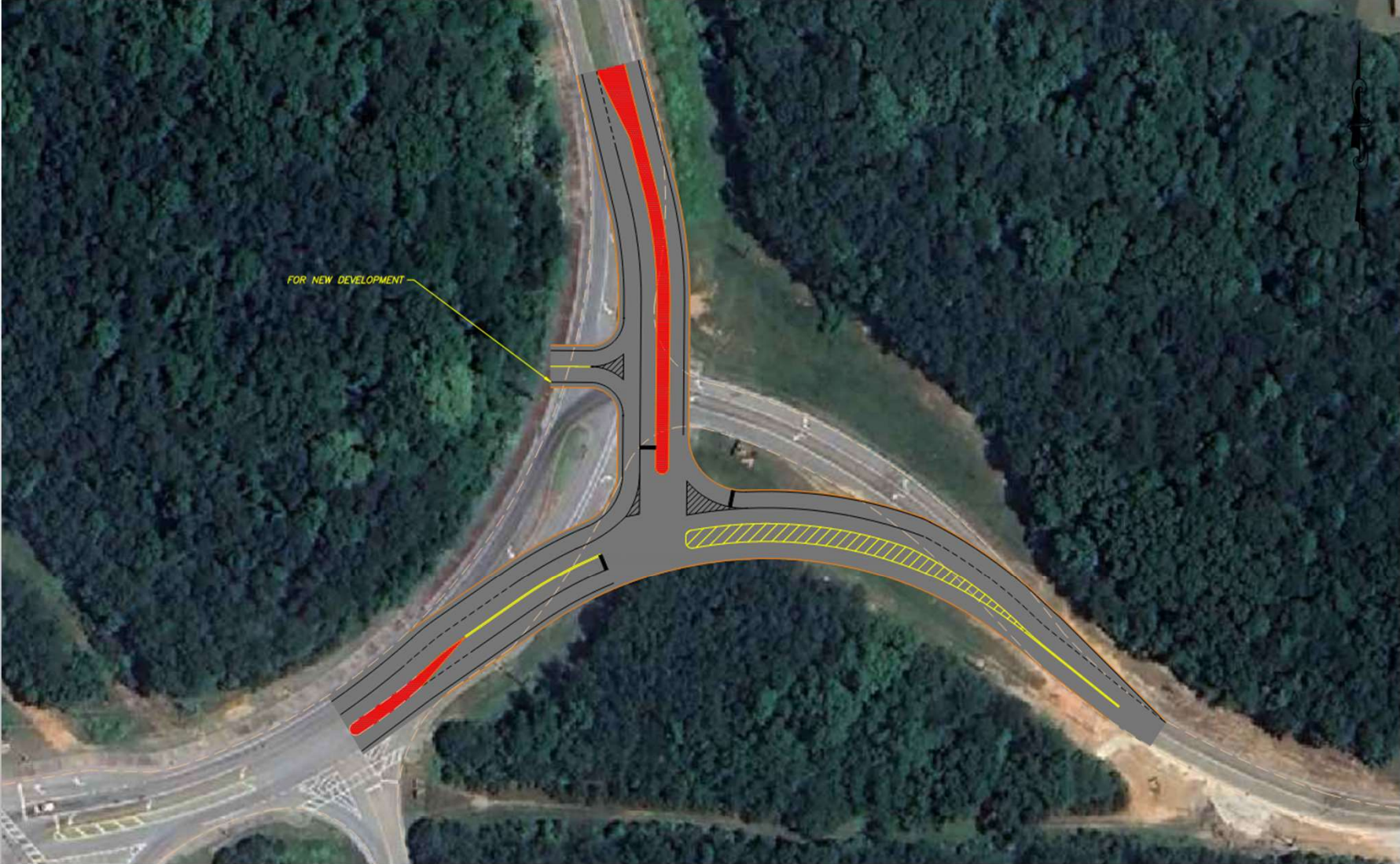
Total Cost to City: \$4,012,000

## Requested Projects

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- **Lewis Road at Oglesby Road Intersection Improvements (\$1m - \$3m)**
- **Sweetwater Avenue at HWY 278 Signal (\$2.5m - \$3.5m)**
- **Downtown Improvements**
  - Install median islands on Marietta Street (\$20k - \$30k each)
  - Install speed table crosswalks on Marietta St at Thomas St and Murray Ave (\$10k - \$12k each)
  - Install bikeshare station in the downtown area near the park (\$10k per station per year)
  - Add a shuttle circulator to enhance connectivity from park and ride to locations downtown
  - Wayfinding signage to guide visitors to parking (\$5k - \$10k)
- **Traffic Assessment Study**
- **Truck Route Plan Implementation Phase II**
  - Add designated truck routes
  - Roadway Improvement for truck routes
- **Powder Springs Rd Median Improvements (Rec. from Ga Tech Study) (\$60,000 - \$80,000 each)**
- **Powder Springs Skatepark: Hill Seating and Beautification (\$30k - \$50k)**
- **Improvements to Ford Center Campus**

# Lewis Rd and Oglesby Intersection Imp. – Option A



# Lewis Rd and Oglesby Intersection Imp. – Option A1



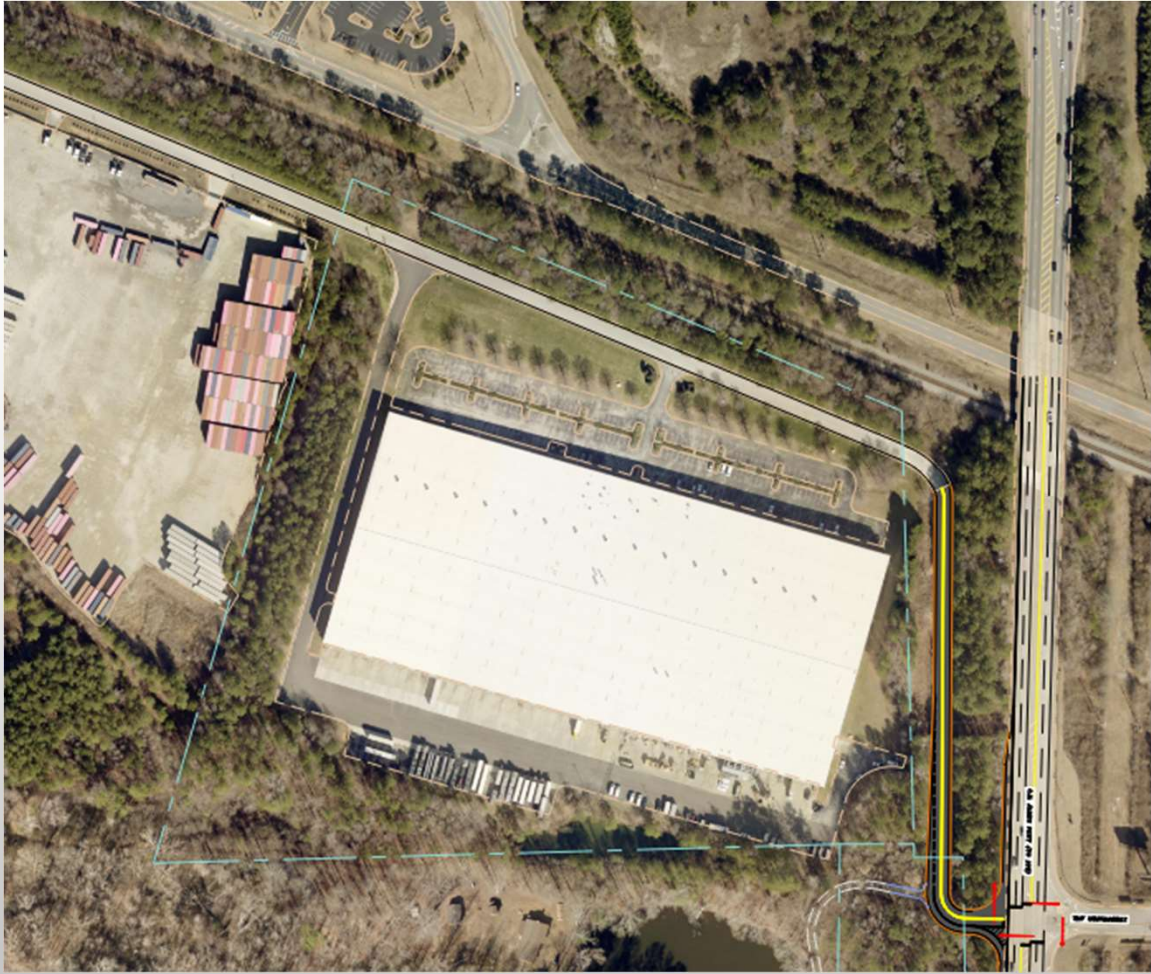
# Lewis Rd and Oglesby Intersection Imp. – Option B



# Signal at Sweetwater Ave and Hwy 278

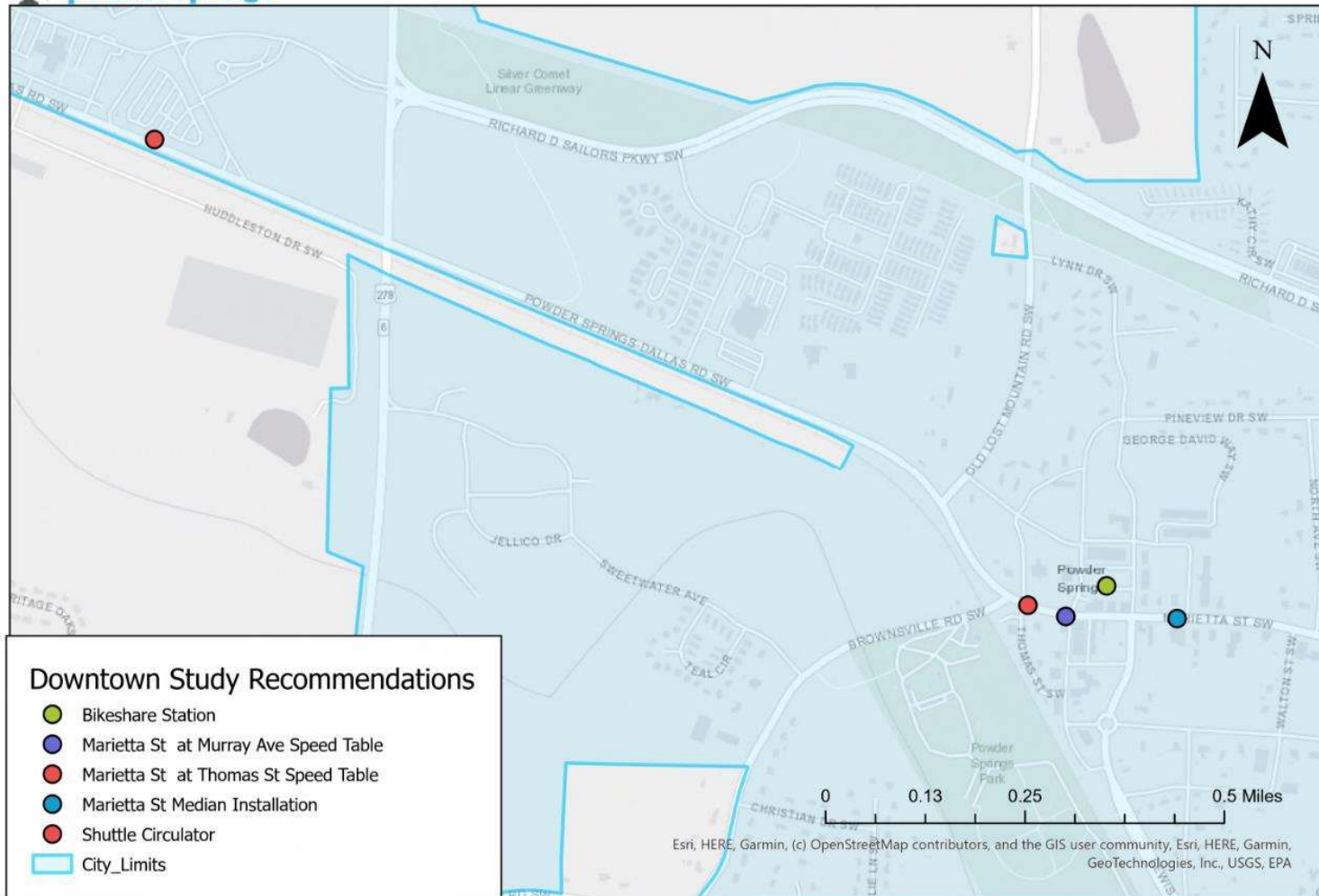








# Downtown Study Recommendations



# Downtown Traffic Calming - Median Islands



Figure 4.1: Median Islands

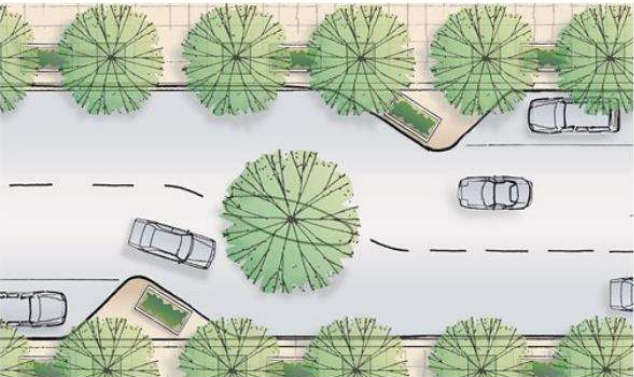


Figure 4.2: Chicanes



Figure 4.3: Chicanes with Median Island

# Downtown Traffic Calming - Median Islands

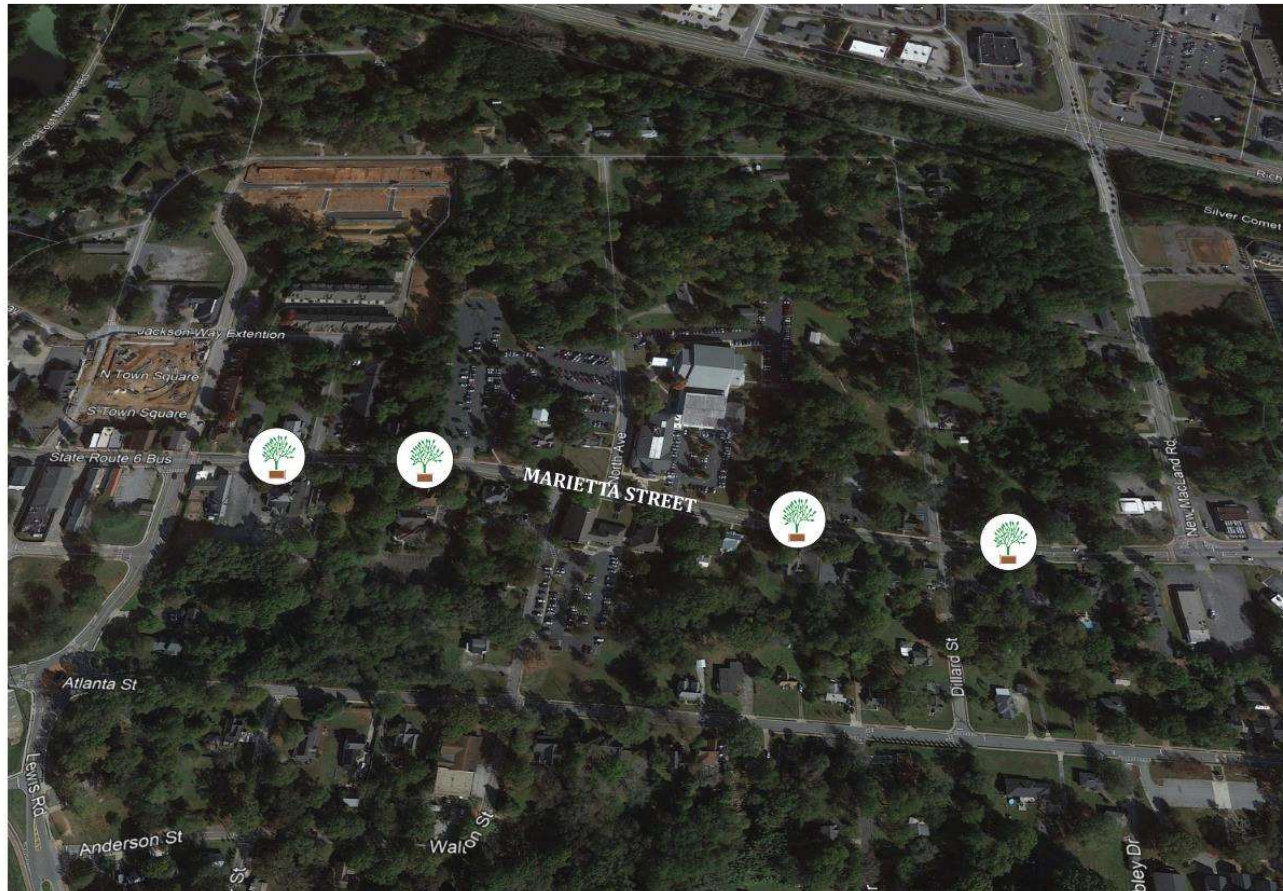


Figure 4.4: Potential Locations for Median Islands along Marietta Street

# Downtown Study – Bikeshare and Shuttle Circulator

## GOAL 04 | Promote multi-modal mobility in the Downtown area

**Recommendation:** Install bikeshare station in the downtown area near the park.

**Regional Best Practice:** The Cumberland and Town Center Community Improvement Districts (CIDs) along with the City of Smyrna have a collaborative bikeshare program in partnership with Tandem Mobility. With the one-year pilot program, the CIDs aim to explore a regional bikeshare program with additional community partners. The City of Powder Springs can explore opportunities to collaborate with the CIDs to introduce the bikeshare program within the city with stations at the Silver Comet trailhead and in the Downtown area. The bikeshare programs allows residents to rent and return a bike from either program's stations. Users of the system will be able to ride for free for the first hour. After that, it will be \$3 per hour with a \$24 per day maximum.

Figure 4.8 shows images of an example bikeshare program.



Figure 4.8: Bikeshare Program

# Downtown Study – Bikeshare and Shuttle Circulator

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**Recommendation:** Consider a shuttle circulator enhancing connectivity from the Park and Ride station and to other locations within the downtown area.

**Regional Best Practice:** Gwinnett County piloted a “micro-transit” project in Snellville in 2019, which used city passenger buses to provide on-demand rides to and from destinations within a pre-defined area. The program allowed potential micro-transit passengers to request a ride via a mobile application. The app showed the bus location and estimated arrival time, an algorithm routes the closest bus to pick passengers up with “minimal disruption” for other riders. Figure 4.9 shows potential locations for shuttle stops. Detailed information on the pilot program can be found in Appendix A.

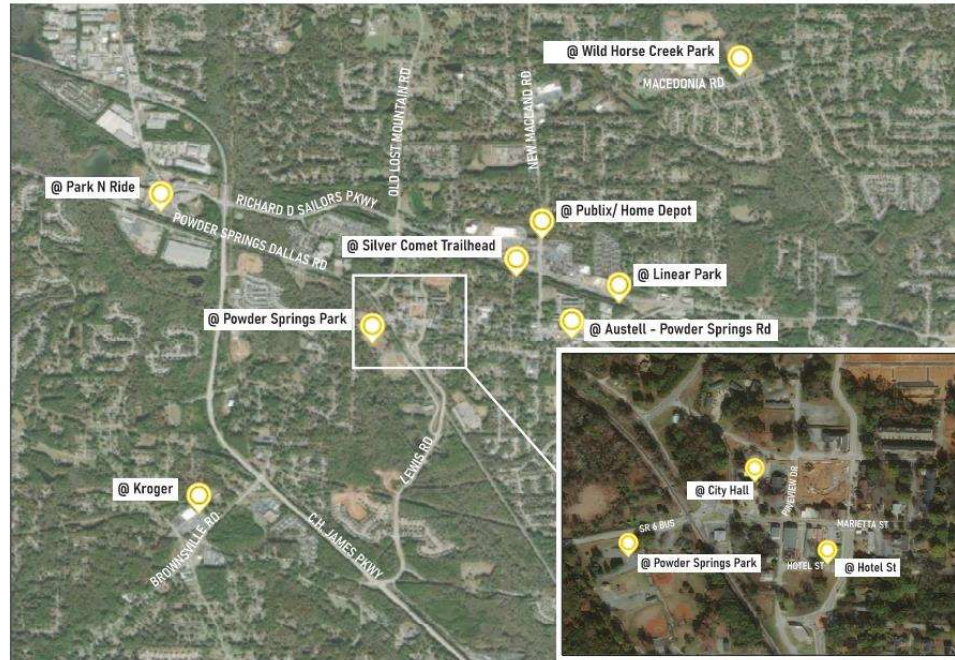


Figure 4.9: Potential Locations for Shuttle Circulator Stops

# Truck Route Plan – Add Designated Truck Routes

City of Powder Springs – Truck Routing Plan

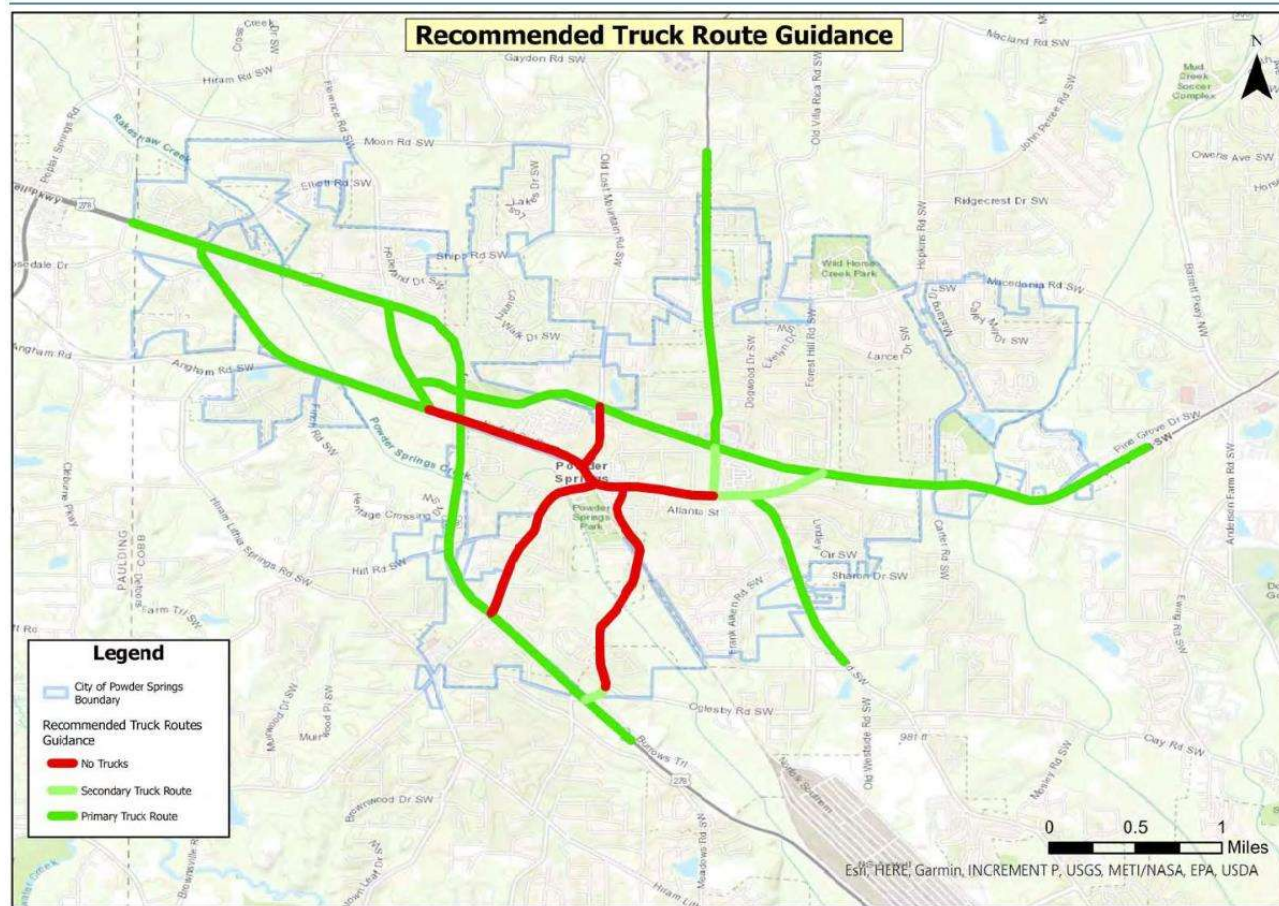


Figure 18: Recommended Truck Route Guidance for City of Powder Springs



# TRAINFO – Train Crossing Notification System

## Preliminary Design



### Overview

- **Design:**
  - (5) Sensors and (4) DMS Boards
- **Crossing Information Produced:**
  - Real-Time Crossing Status (Detection)
  - Collection of Historical Blockage Data
- **Access To TRAINFO Software**
  - Real-Time Map (crossing status)
  - Crossing Analytics
- **Includes Data Integration (API)**
  - DMS Boards
  - Waze

# TRAINFO – Train Crossing Notification System

## Poles & Installation



Direct Power



Solar Power

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# TRAINFO – Train Crossing Notification System

## Sensor Location (example)

CITY	ROADWAY	NEAR (ROADWAY)	LATITUDE	LONGITUDE	CROSSING ID
Powder Springs	Brownsville Rd				



PREFERRED POLE	POLE OWNER			JOINT-USE PERMIT REQ'D?		DIRECT POWER AVAIL.?		SOLAR POWER REQ'D?		CITY INSTALLER?		Quiet Zone?	
	City	Utility	Other	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No



# TRAINFO – Train Crossing Notification System

## DMS & Flashing Beacons



Flashing Beacons



Portable DMS



Permanent DMS



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# PS Skatepark Embankment Seating/Beautification

