

# DRESDEN DRIVE INTERSECTION IMPROVEMENT ANALYSIS



City Council Work Session

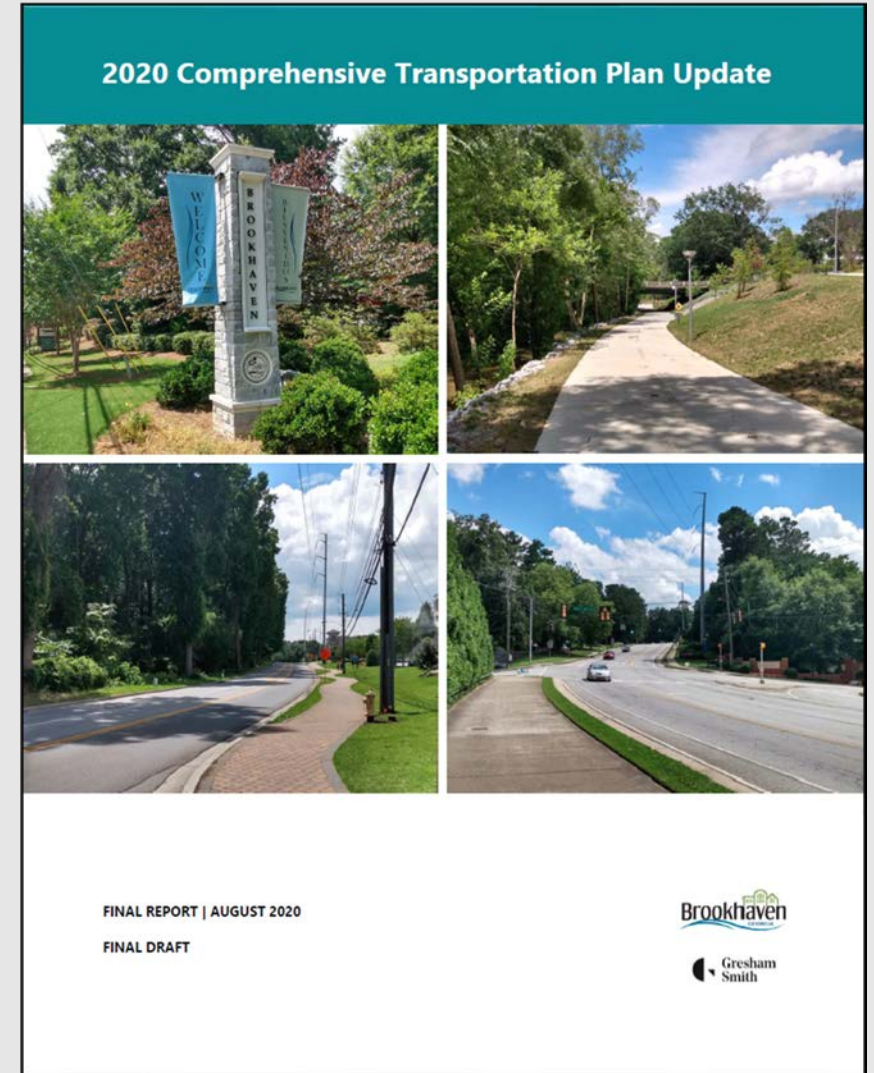
July 27, 2021



# Study Background

## 2020 Comprehensive Transportation Plan (CTP) Update

- Safety & Operations Analysis
  - Dresden Dr @ Apple Valley Rd
  - Dresden Dr @ Caldwell Rd/Ellijay Dr
  - Dresden Dr @ Clairmont Rd



# Study Objectives

- Evaluate existing and future traffic conditions
- Recommend intersection improvements
- Recommend additional or revised traffic calming measures



# Transportation Projects & Developments

## Transportation Projects

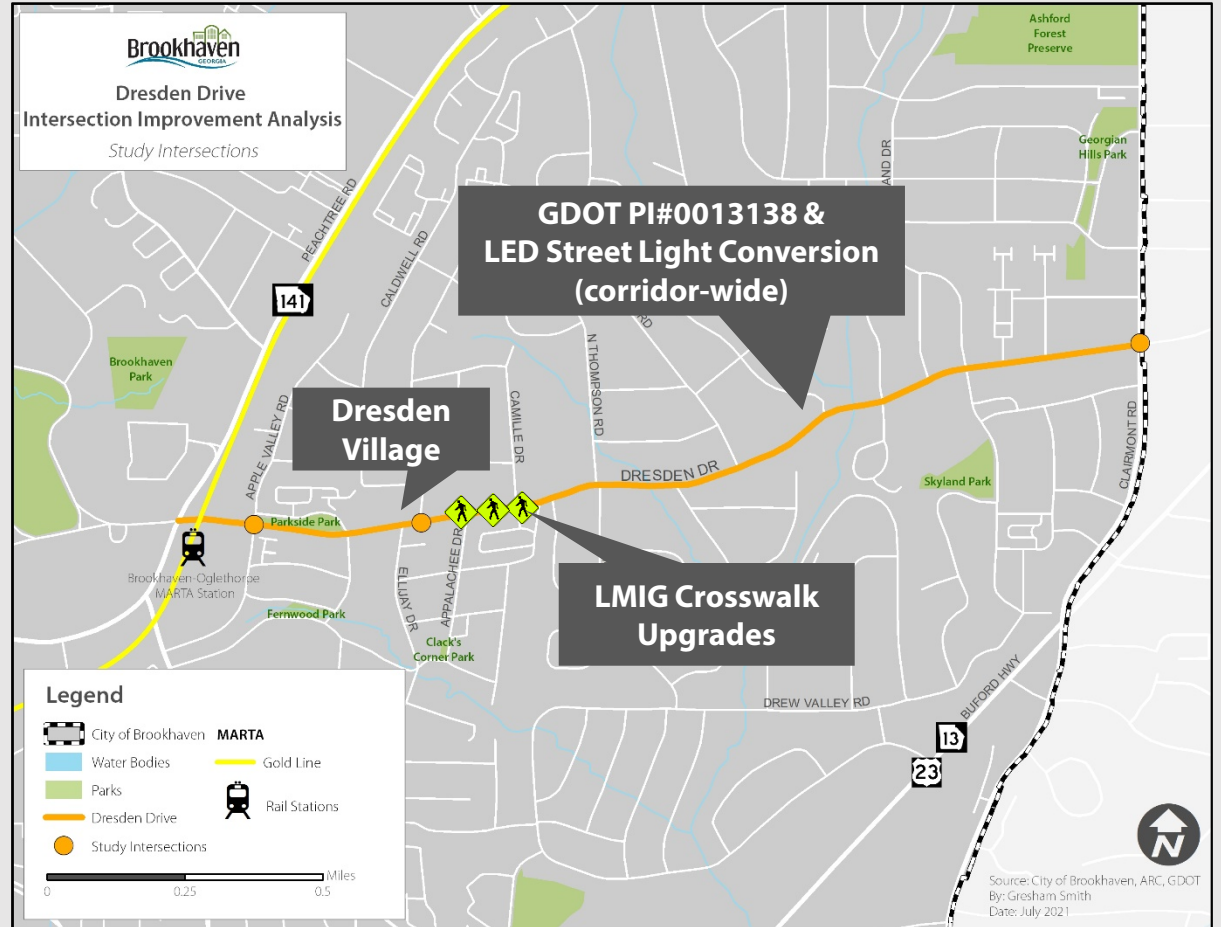
- Street Light Conversion to LED
- Pedestrian Crosswalk Upgrades at existing RRFB locations
- Ashford Dunwoody Rd & Dresden Dr ITS

## Ongoing Development

- Dresden Village

## Other Considerations

- Ongoing City Centre Master Plan and potential MARTA TOD
- Apple Valley Entertainment District (visioning)



# Crash History

- Five-year total
  - Apple Valley Rd - 49
  - Ellijay Dr/Caldwell Rd - 50
  - Clairmont Rd - 151
- Predominantly angle & rear-end type
- 4 bike-ped related

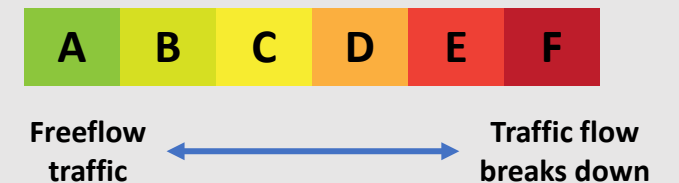


# Capacity Analysis

- All study intersections currently operate at acceptable LOS (LOS D or better) during peak periods, but experience multiple operational issues
- Greater delay and congestion (LOS E) at Apple Valley Rd and Clairmont Rd intersections projected during afternoon peak period in the future (2046)



***Level of Service (LOS) is a measure of the amount of delay that a traveler experiences at an intersection.***



# Field Review Findings

- Sidewalk gaps
- No continuous bike facilities
- Intermittent congestion and delay (e.g., for left turns at Ellijay Dr/Caldwell Rd)
- Sight distance issues and lack of lighting at Clairmont Rd



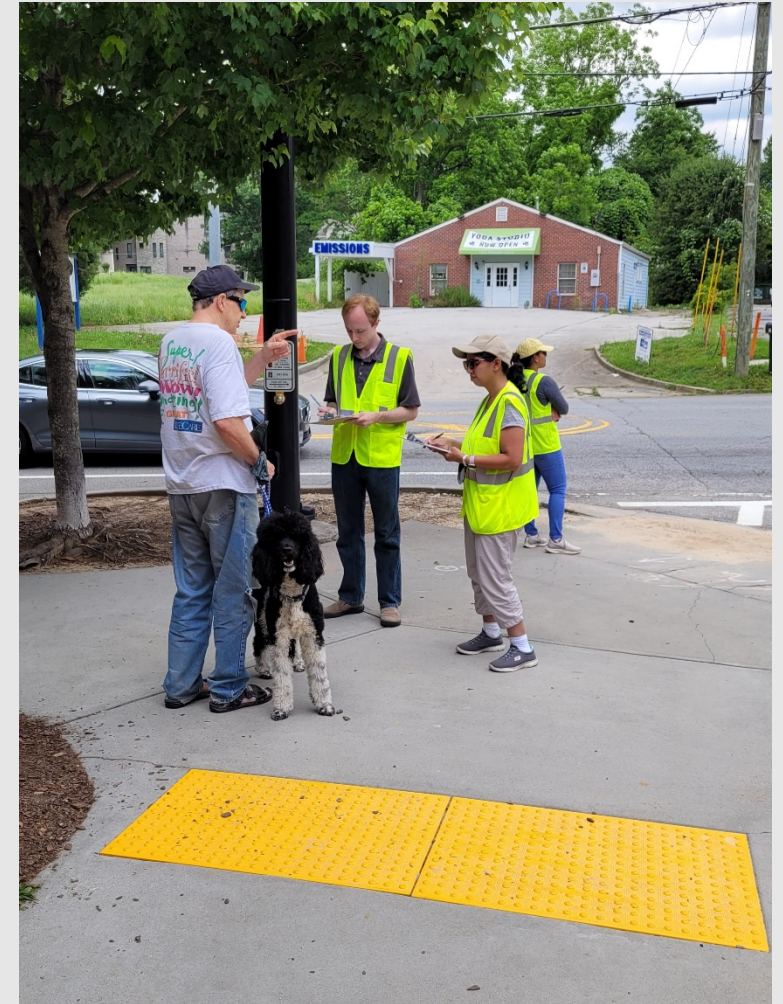
# Intercept Survey Findings

## Overview

- 26 surveys administered on May 27 (weekday afternoon) and June 12 (weekend morning)

## Common Themes

- Pedestrian traffic is primarily local – people who live in the area and walk for recreation or to visit local businesses
- Concerns about speeding and congestion at intersections; sidewalk gaps; and lack of crosswalks at Ellijay Dr across Dresden Dr
- Most people surveyed said that vehicles do not stop at RRFBs, making it dangerous to cross Dresden Dr





# Potential Ideas for Consideration

- **Apple Valley Road Intersection**
  - Fill sidewalk gaps/extend existing sidewalk
  - Examine feasibility of single-lane roundabout
  - Protected left turns (solid green arrow) with flashing yellow arrows
  - Dual left turn lanes on northbound Apple Valley Rd (to westbound Dresden Dr)
  - Dedicated left turn lane on southbound Apple Valley Rd (to eastbound Dresden Dr)



# Potential Ideas for Consideration

- **Ellijay Drive/Caldwell Road Intersection**
  - Fill sidewalk gaps/extend existing sidewalk
  - Explore adding crosswalk and pedestrian signal across Dresden Dr at Ellijay Dr

# Potential Ideas for Consideration

- **Clairmont Road Intersection**
  - Extend existing sidewalk along Dresden Dr
  - Upgrade traffic signals to include flashing yellow arrows for left turns
  - Extend eastbound right-turn lane on Dresden Dr (to southbound Clairmont Rd)
  - Prohibit right turns on red from eastbound and westbound Dresden Dr (due to sight distance issues)
  - Evaluate need for no loading/no parking signage along Clairmont Rd
  - Work with City of Chamblee and property owners to mitigate driveway turning conflicts



# First Virtual Public Forum

## Key Issues and Concerns

- **Speeding**
  - Drivers travel too fast
- **Bicycle and Pedestrian Infrastructure**
  - Traveling on foot or bicycle on Dresden Dr doesn't feel safe or comfortable
  - Safety of pedestrians and cyclists should be prioritized over traffic efficiency/convenience
- **Parking**
  - Mixed feedback
- **Sight Distance for Drivers**
  - Poor sight distance at the Apple Valley Rd intersection's SB right-turn lane
  - Difficult to pull out of side streets and driveways due to the inability to see past vehicles parked on the street and pedestrians
- **Development/Redevelopment**
  - Concerned about the pace of development and redevelopment in the area
- **Truck Traffic**
  - Trucks travel too fast on Apple Valley Rd north of Dresden Dr and enter the Ashford Park neighborhood

# Recap of First Virtual Public Forum

Which of these ideas are you most interested in?



# Next Steps

- **Develop Draft Preliminary Recommendations** – August 2021
- **Second Public Forum** – September 2021
  - Present draft preliminary recommendations to community and solicit feedback
- **Prepare Draft and Final Recommendations Report** – October/November 2021
- **City Council Presentation** – November 2021
  - Present draft final recommendations and report

