

# I-20 @ SR5/Bright Star Road Study Transportation Project Update

PI # 0012619



June 16, 2014



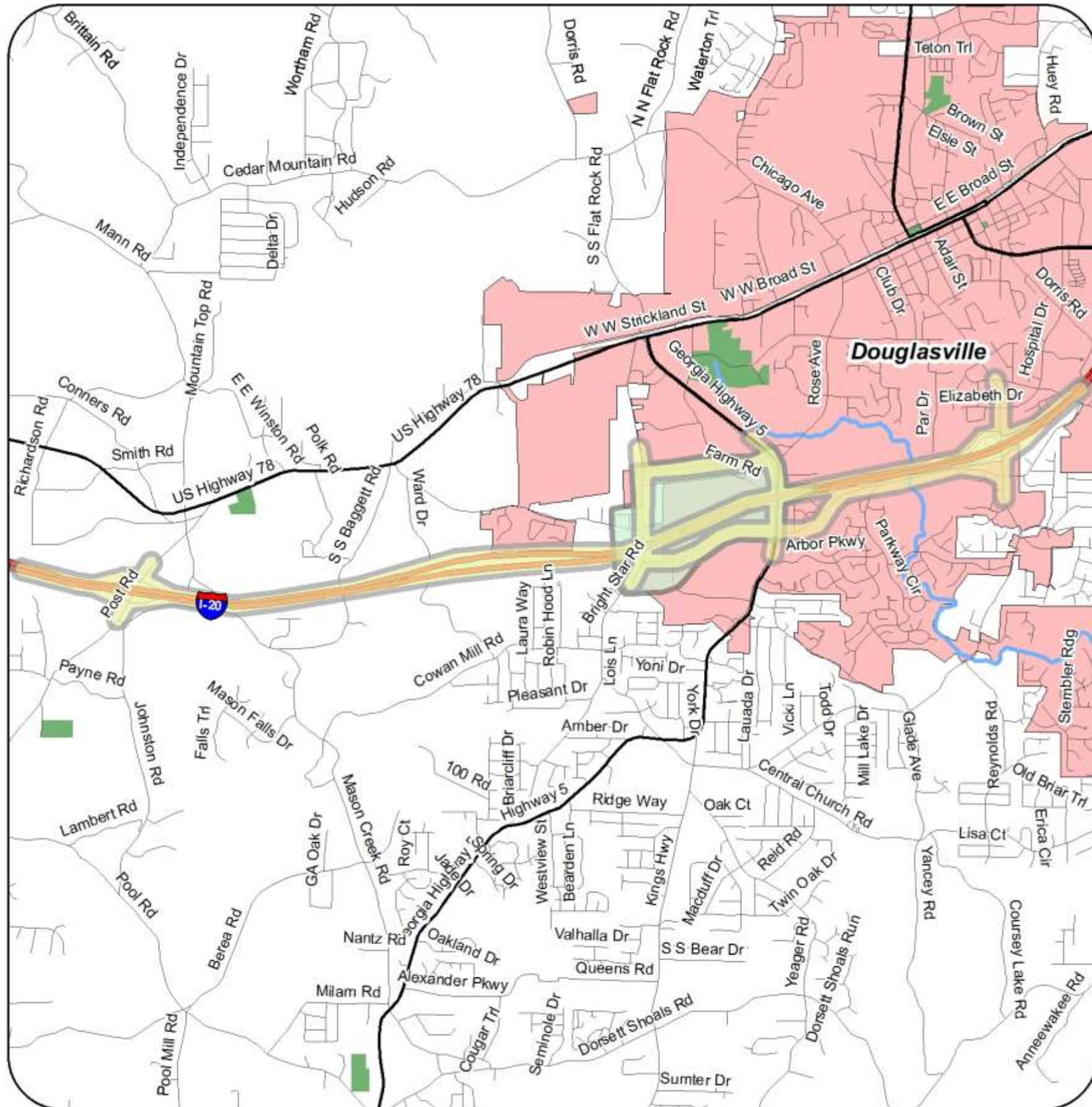


## Project Scope

- The purpose is to determine the improvements that can be implemented at the I-20 and SR 5 interchange, and along the interstate corridor to improve safety, relieve congestion, and support economic development.
- The study will also evaluate operational improvements and access management to facilitate mobility in the area.
- Attention to transit opportunities and pedestrian and bicycle access.

I-20 at SR 5/Bright Star Road Study Transportation Project

Study Areas



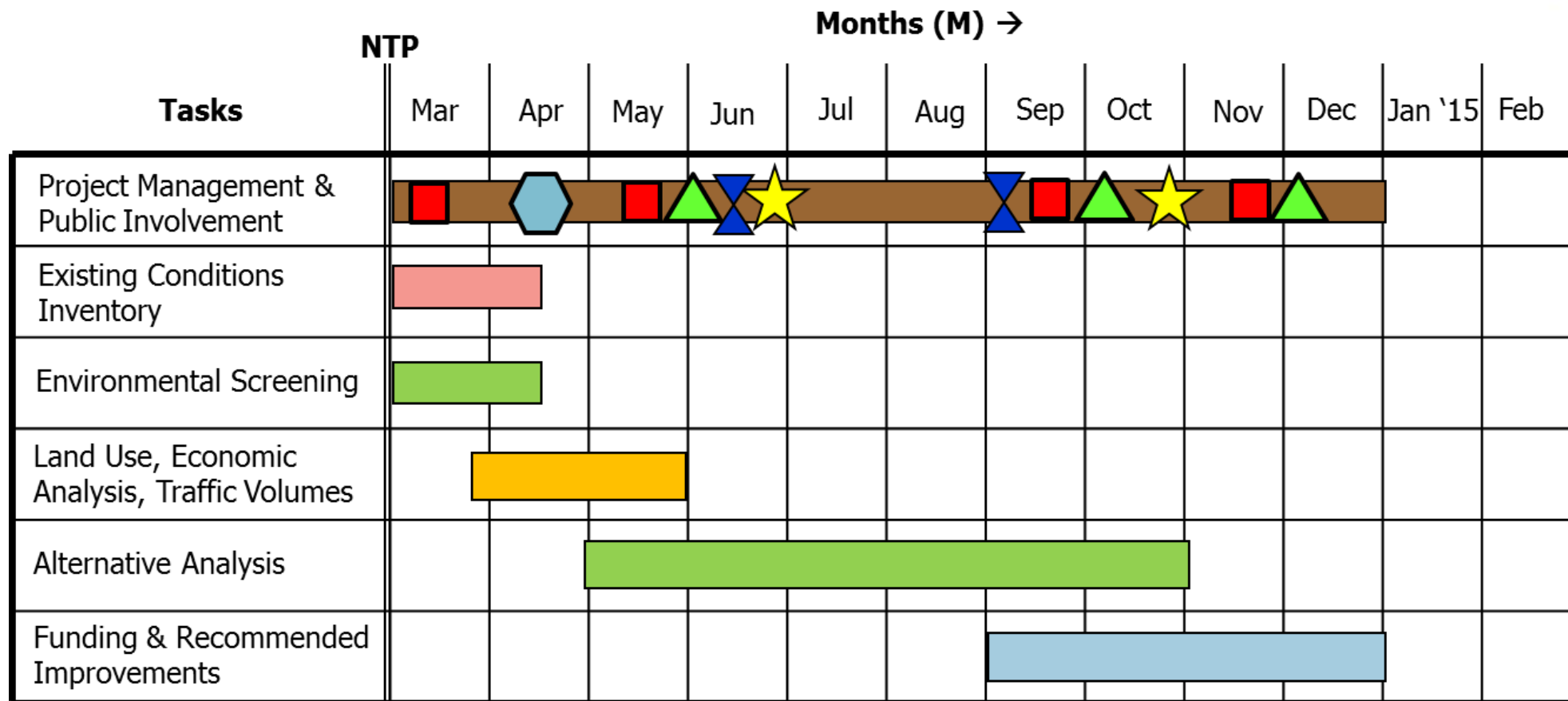
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




- Cities
  - Counties
  - Parks
  - Lakes
  - Rivers
- Study Areas**
- Traffic Study Area
  - Environmental Study Area
- Roads**
- Interstate
  - Major Roads
  - Street
- 0 0.45 0.9 Miles





# Project Schedule



-  Technical Committee
-  Public Meeting
-  Stakeholder Interviews/Briefings
-  Stakeholder Committee
-  Council Briefings

## Data



- GDOT traffic counts
- New traffic counts in study area
- Observed congestion
- Crash history
- Land use and zoning
- Environmental resources (screening)
- GIS physical data (roads, boundaries, streams, etc.)
- Previous studies

## Status



- ✓ Obtained necessary data; began collecting input.
- ✓ Completing review of existing conditions
- ✓ Conducted Stakeholder and Technical Committee meetings
- ✓ List Issues and Opportunities
- ✓ Brief City Council on progress

## Issues and Opportunities



- Stakeholder & Technical Committees met on June 4, 2014 to review existing conditions and discussed issues and opportunities in the study area.
- The major issues and opportunities themes are included on the following slides.
- We are still collecting issues and opportunities - help us identify more!

## Issues



- Demand on infrastructure will increase - County's population expected to increase 94% by 2040
- Funding for improvements at federal, state, and local levels is limited
- Over 80% of population drives to work alone, ~60% commutes outside of the County, ~56% have a 30+ minute commute
- SR 5 congestion levels are high - particularly high delays at I-20 ramps, Douglas Blvd, Concourse Pkwy, and Stewart Pkwy
- High crash intersections - SR 5 @ I-20 ramps, Douglas Blvd @ SR 5, Douglas Blvd @ Chapel Hill Rd
- <1 mile between existing SR 5 interchange and Bright Star Rd
- Commercial area design is auto-oriented and offers little safety to navigate by any other mode
- Above and below ground utilities, particularly pipeline running parallel between I-20 and Bright Star Conn.
- Limited access management on Douglas Blvd and portions of SR 5
- ROW costs and availability for potential improvements



## Opportunities



- Several studies have already been conducted in the area and have identified potential improvements
- Development and redevelopment opportunities on Bright Star Connector and Douglas Blvd
- West Douglas P&R lot served by GRTA Xpress route 461-462 is currently underutilized; 9-12% of population carpools to work
- SR 5 is part of the GDOT RTOP program so signals are coordinated and actively managed, Douglas County has active management of Douglas Blvd during the holidays, SR 5 is designated a Regional Thoroughfare
- High potential demand for retail and office development based on market analysis
- Use of wayfinding signage to direct traffic through less congested or more favorable routes
- Collector-distributor system between Bright Star Rd and Chapel Hill Rd including SR 5
- Operational improvements to existing roadways and intersections
- Existing access management on Bright Star Connector and portions of SR 5
- Largely rural and single family outside commercial areas along SR 5, Chapel Hill Rd and Douglas Blvd



## Next Steps

- Public Meeting scheduled Thursday, June 26, 2014 6-7:30pm at Douglasville Conference Center.
- Identify list of potential strategies and alternatives
- Screen and evaluate alternatives



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