



# City of Johns Creek Comprehensive Plan Community Agenda Transportation Recommendations

May 13, 2008

# Transportation Master Plan

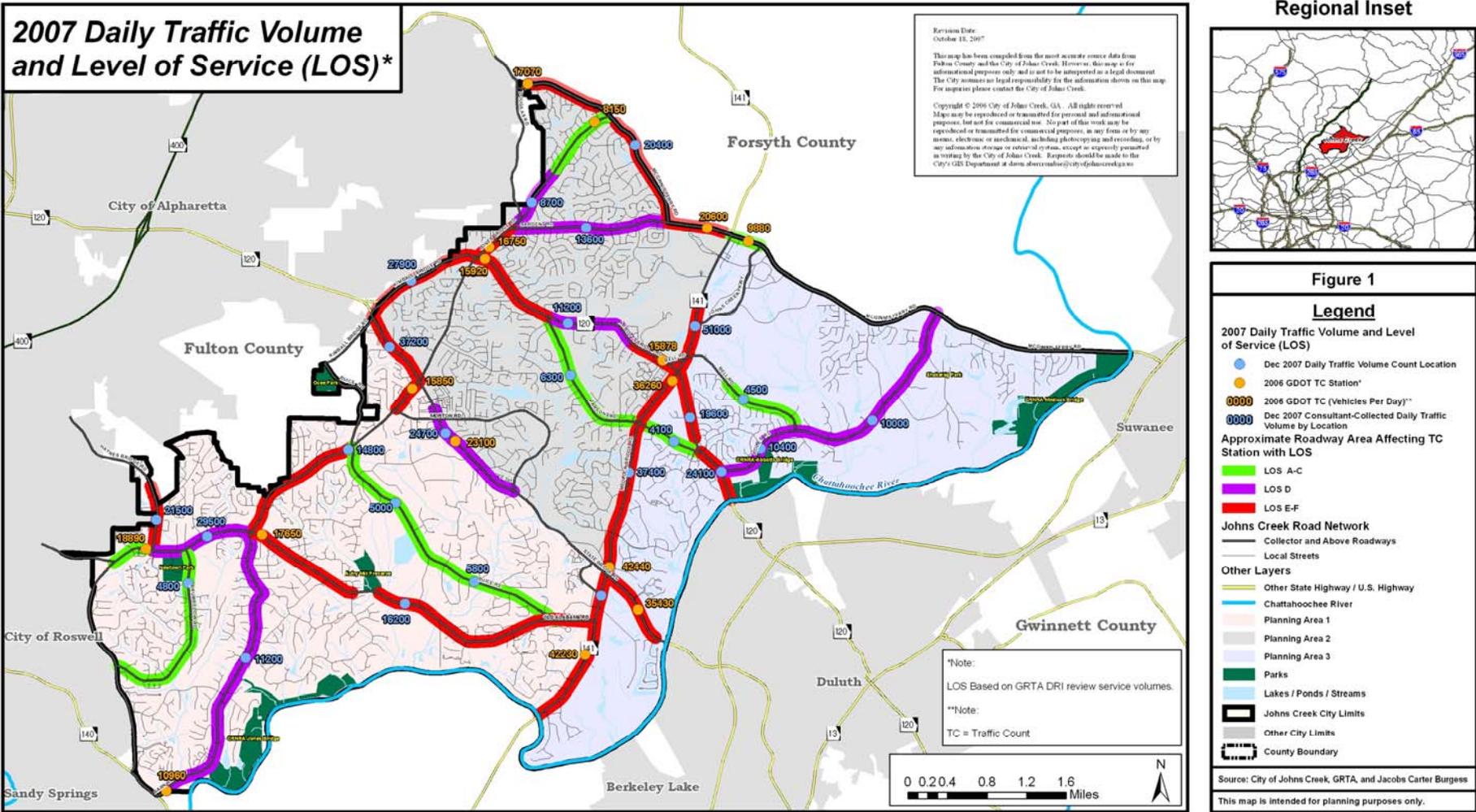
- 5-year program of projects as part of Comprehensive Plan
- Foundation of programs and projects will be the goals, issues, and opportunities, established in the comprehensive planning process
- Additional transportation programs and projects through year 2030 to address future transportation needs



# Transportation Conditions



# Transportation Conditions: 2007 Daily Traffic Volume and Level of Service (LOS)



# Transportation Issues and Opportunities

## Issue:

- Through trips contribute significantly to peak hour congestion

## Opportunities:

- Maximize corridor efficiency through improvement of congested intersections
- Maximize use of technology to assist in traffic operations improvements



# Transportation Issues and Opportunities

## Issue:

- Key intersection operations constrain corridor capacity

## Opportunities

- Maximize corridor efficiency through improvement of congested intersections
- Add road connectivity to increase options beyond use of congested corridors
- Maximize use of technology to assist in traffic operations improvements



# Transportation Issues and Opportunities

## Issue:

- Limited roadway connectivity requires travel through major intersections

## Opportunity:

- Add road connectivity to increase options beyond use of congested corridors
- Plan and build multimodal connections in potentially high pedestrian activity areas



# Transportation Issues and Opportunities

## Issue:

- Effective local transit connections could serve emerging activity areas and connect to regional transit in Johns Creek

## Opportunities:

- Consider and analyze transit - through application and expansion of planned transit improvements
- Plan and build multimodal connections in potentially high pedestrian activity areas



# Transportation Issues and Opportunities

## Issue:

- Transit mixed with vehicular traffic has limited travel time advantage over automobiles

## Opportunity:

- Consider and analyze transit - through application and expansion of planned transit improvements



# Transportation Issues and Opportunities

## Issue:

- Neighborhoods are not well connected to schools, parks and community facilities with sidewalks and bicycle facilities

## Opportunities:

- Consider use of undeveloped land and/or easements to add pedestrian and bicycle connectivity
- Plan and build multimodal connections in potentially high pedestrian activity areas



# Transportation Issues and Opportunities

## Issue:

- Longer distance bicycle and trail routes are needed to access parks and provide recreational opportunities

## Opportunity:

- Consider use of undeveloped land and/or easements to add pedestrian and bicycle connectivity



# Transportation Issues and Opportunities

## Issue:

- Enhancing transportation safety for all travel modes is a priority

## Opportunities:

- Maximize corridor efficiency through improvement of congested intersections
- Plan and build multimodal connections in potentially high pedestrian activity areas



# Transportation Recommendations



# Transportation Policies

- Policy: Facilitate safe and efficient movement of traffic along key corridors to minimize congestion.
- Policy: Apply innovative approaches and technologies to improve mobility, safety and environmental quality.
- Policy: Enhance capacity along key corridors while preserving the existing character of the two-lane residential roads in Johns Creek.
- Policy: Connect the sidewalk and multi-use trail network to allow safe pedestrian and bicycle travel throughout Johns Creek.
- Policy: Explore public transportation options for Johns Creek commuter travel to the Atlanta core, Hartsfield Jackson Airport, and surrounding communities.



# Transportation Policies and Strategies

- Policy: Facilitate safe and efficient movement of traffic along key corridors to minimize congestion.
  - Improve connectivity to reduce congestion at critical intersections as development/redevelopment occurs.
  - Provide necessary operation at key intersections to prevent bottlenecks from limiting overall capacity along roadways, including alternative intersection treatments where needed.
  - Develop multi-modal circulation and loading area plans for all schools to reduce school related congestion.



# Transportation Policies and Strategies

- Policy: Apply innovative approaches and technologies to improve mobility, safety and environmental quality.
  - Utilize access management techniques to increase mobility, safety, and interconnectivity.
  - Continue development and application of ITS (Intelligent Transportation Systems) and incident management technology.
  - Promote state-of-the-art signal system technology.
  - Promote travel demand management (TDM) strategies to reduce trips.
  - Encourage increased mixed-use development/redevelopment.
  - Facilitate public-private funding partnerships for improvements.
  - Coordinate with state, regional and, local agencies responsible for environmental compliance and guidelines.



# Transportation Policies and Strategies

- Policy: Enhance capacity along key corridors while preserving the existing character of the two-lane residential roads in Johns Creek.
  - Enhance roadway capacity along high demand corridors.
  - Improve two-lane roads for efficient operations and safety.
  - Preserve current transportation investment through effective maintenance of transportation system.
  - Manage speed as appropriate to functional classification and adjacent land uses.



# Transportation Policies and Strategies

- Policy: Connect the sidewalk and multi-use trail network to allow safe pedestrian and bicycle travel throughout Johns Creek.
  - Provide sidewalk and multi-use trail improvements to facilitate pedestrian and bicycle access within ½-mile of all schools, libraries, parks, and Chattahoochee River public use areas.
  - Connect sidewalk network to provide continuous sidewalk along all arterial and collector roads.
  - Create multi-use trail network based on adopted Multi-Use Trail Plan to include connections to adjacent jurisdictions' facilities and the Chattahoochee River.
  - Establish pedestrian and bicycle friendly policies and standards.



# Transportation Policies and Strategies

- Policy: Explore public transportation options for Johns Creek commuter travel to the Atlanta core, Hartsfield Jackson Airport, and surrounding communities.
  - Support GRTA, MARTA and GDOT efforts related to express transit service and commuter rail.
  - Support regional bus rapid transit (BRT) initiatives to connect Johns Creek to surrounding communities via State Bridge Road.
  - Provide safe and secure parking for public transit.



# Legend

# 2030 Recommended Roadway Functional Classification

## 2030 Recommended Functional Classification and Roadway Network

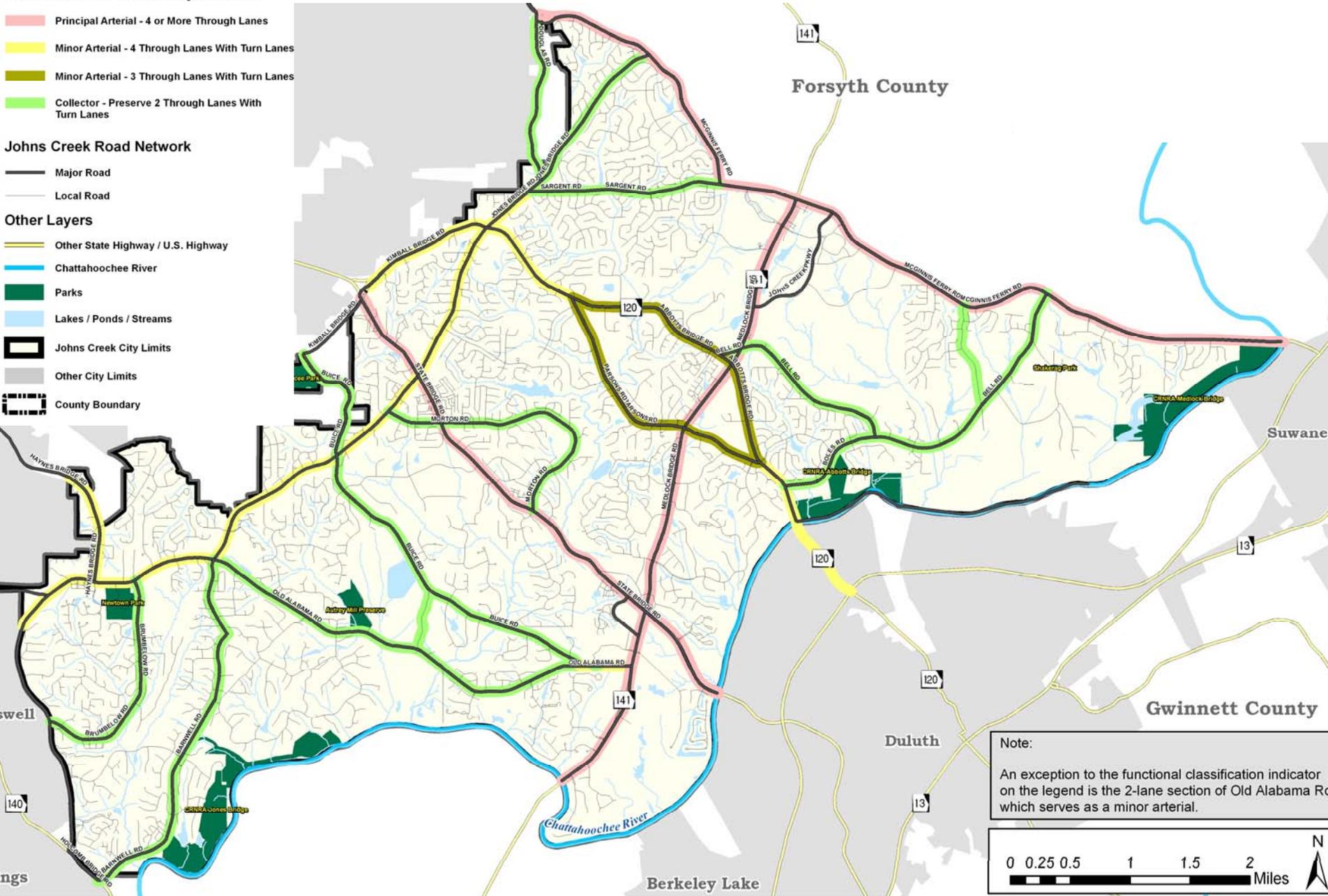
- Principal Arterial - 4 or More Through Lanes
- Minor Arterial - 4 Through Lanes With Turn Lanes
- Minor Arterial - 3 Through Lanes With Turn Lanes
- Collector - Preserve 2 Through Lanes With Turn Lanes

## Johns Creek Road Network

- Major Road
- Local Road

## Other Layers

- Other State Highway / U.S. Highway
- Chattahoochee River
- Parks
- Lakes / Ponds / Streams
- Johns Creek City Limits
- Other City Limits
- County Boundary



Note:  
An exception to the functional classification indicator on the legend is the 2-lane section of Old Alabama Rd which serves as a minor arterial.

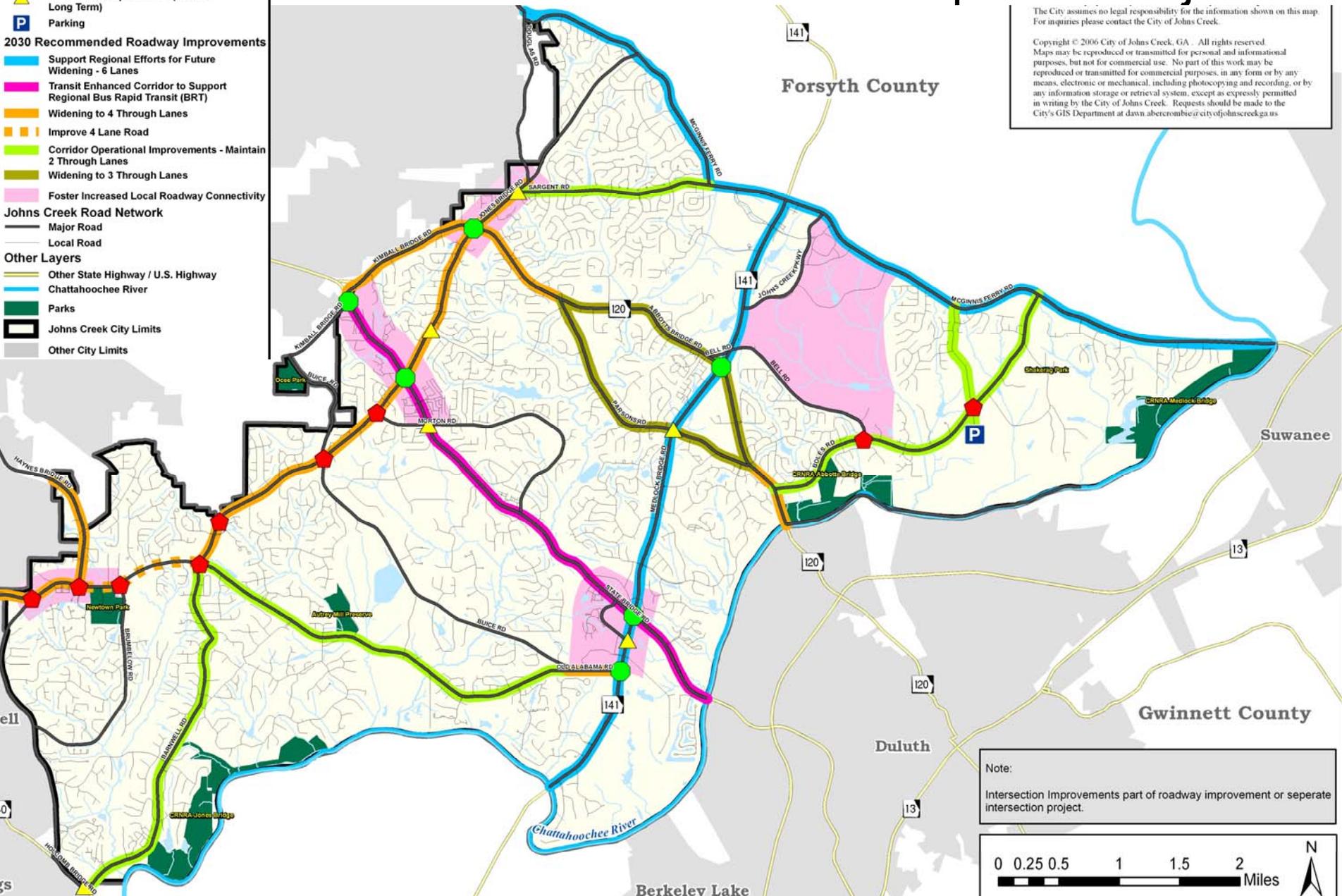


# 2030 Recommended Transportation Projects

- Legend**
- 2030 Intersection Improvement Projects\***
- Major Intersection Improvement (Grade Separation at Unconventional / At-Grade)
  - Intersection Improvement (Short Term Work Program)
  - ▲ Intersection Improvement (Mid and Long Term)
  - P Parking
- 2030 Recommended Roadway Improvements**
- Support Regional Efforts for Future Widening - 6 Lanes
  - Transit Enhanced Corridor to Support Regional Bus Rapid Transit (BRT)
  - Widening to 4 Through Lanes
  - Improve 4 Lane Road
  - Corridor Operational Improvements - Maintain 2 Through Lanes
  - Widening to 3 Through Lanes
  - Foster Increased Local Roadway Connectivity
- Johns Creek Road Network**
- Major Road
  - Local Road
- Other Layers**
- Other State Highway / U.S. Highway
  - Chattahoochee River
  - Parks
  - Johns Creek City Limits
  - Other City Limits

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Note:  
Intersection Improvements part of roadway improvement or separate intersection project.

