

Transportation Briefing

September 2021

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Director



In Today's Briefing...

- The MPO and Transportation Planning
- Traffic Impact Analysis
- Neighborhood Traffic Management Options
- Transit Service Contract



GREENSBORO
URBAN AREA
MPO
METROPOLITAN PLANNING ORGANIZATION

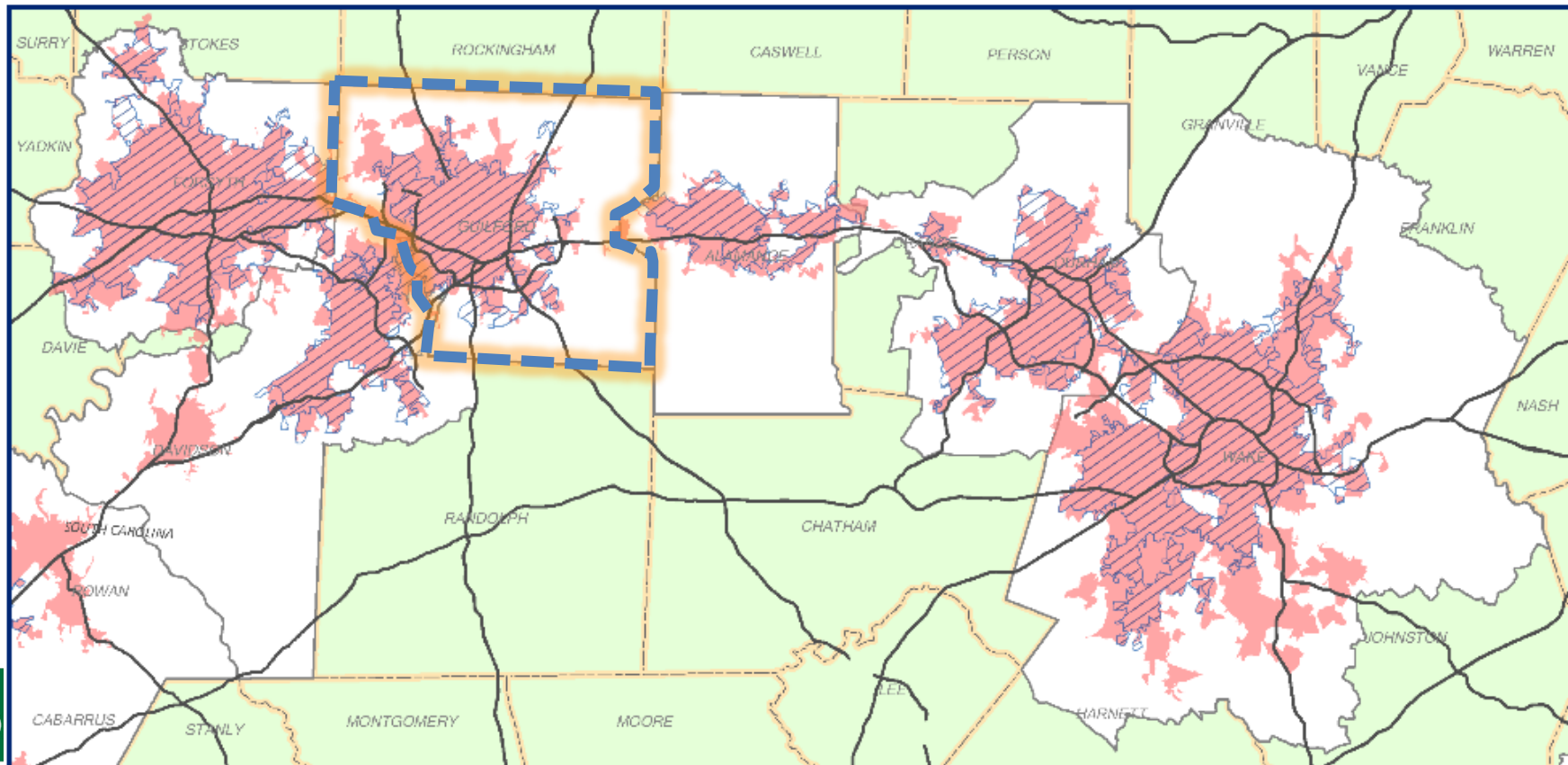
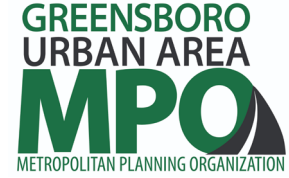


Image Credit: NCDOT

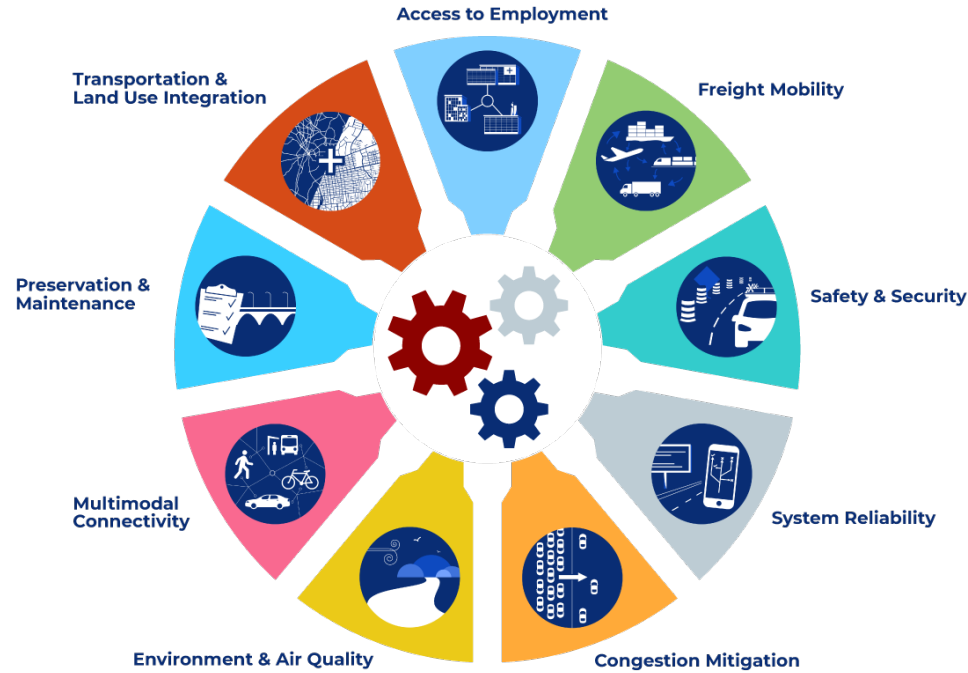
What is GUAMPO?



- Established in 1960
- Provides State-Regional-Local coordination
- Manages Federal & State transportation funding in MTIP (DA) and STIP (Prioritization)
- Meets FHWA and FTA planning requirements

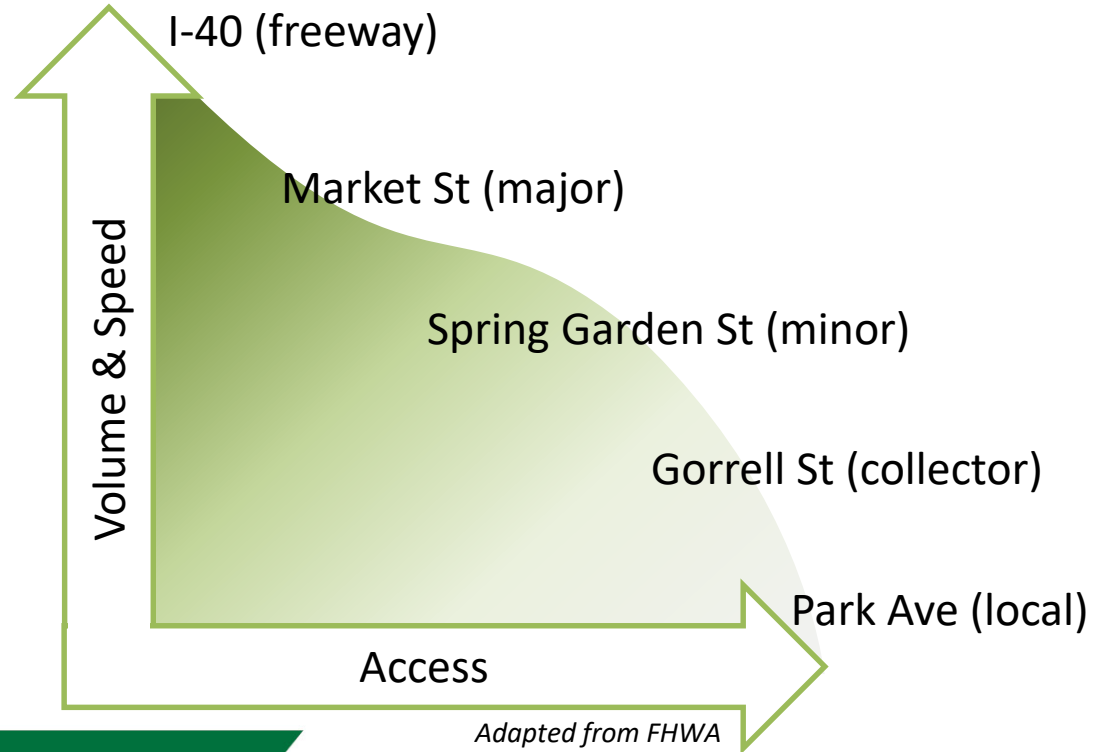
Transportation System Planning Considerations

- Reflect land use plans and growth projections
- Reflect policy priorities
- Identify existing and anticipated needs
- Anticipate funding and project delivery



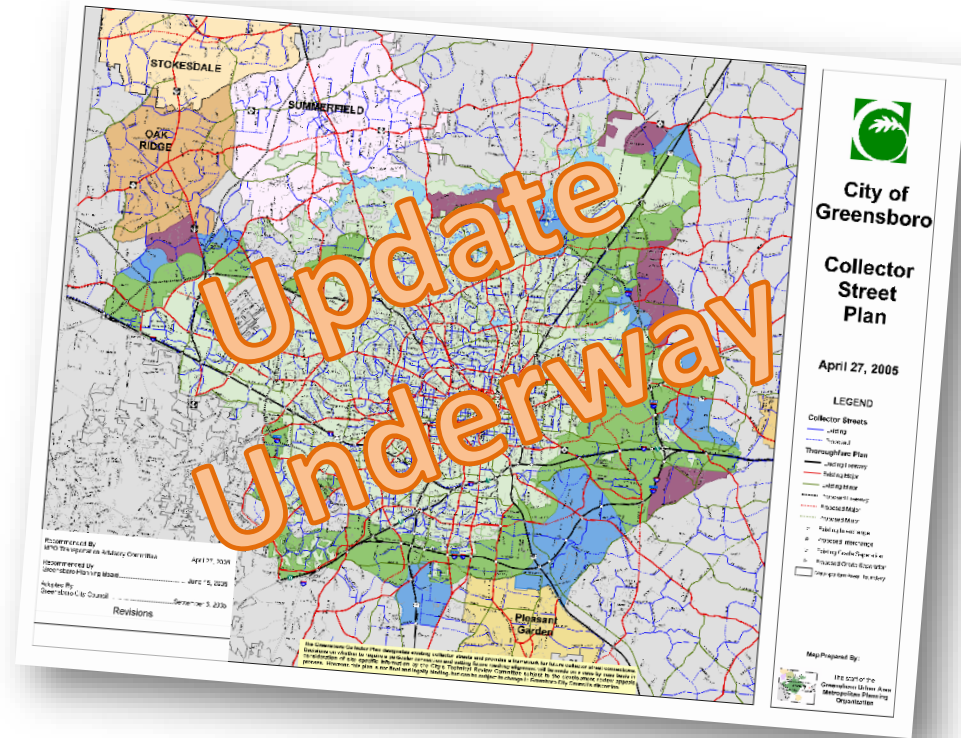
Street Network Function

- Different streets serve different functions
 - Volume vs. Access
 - Informs design features
 - Informs speed limit

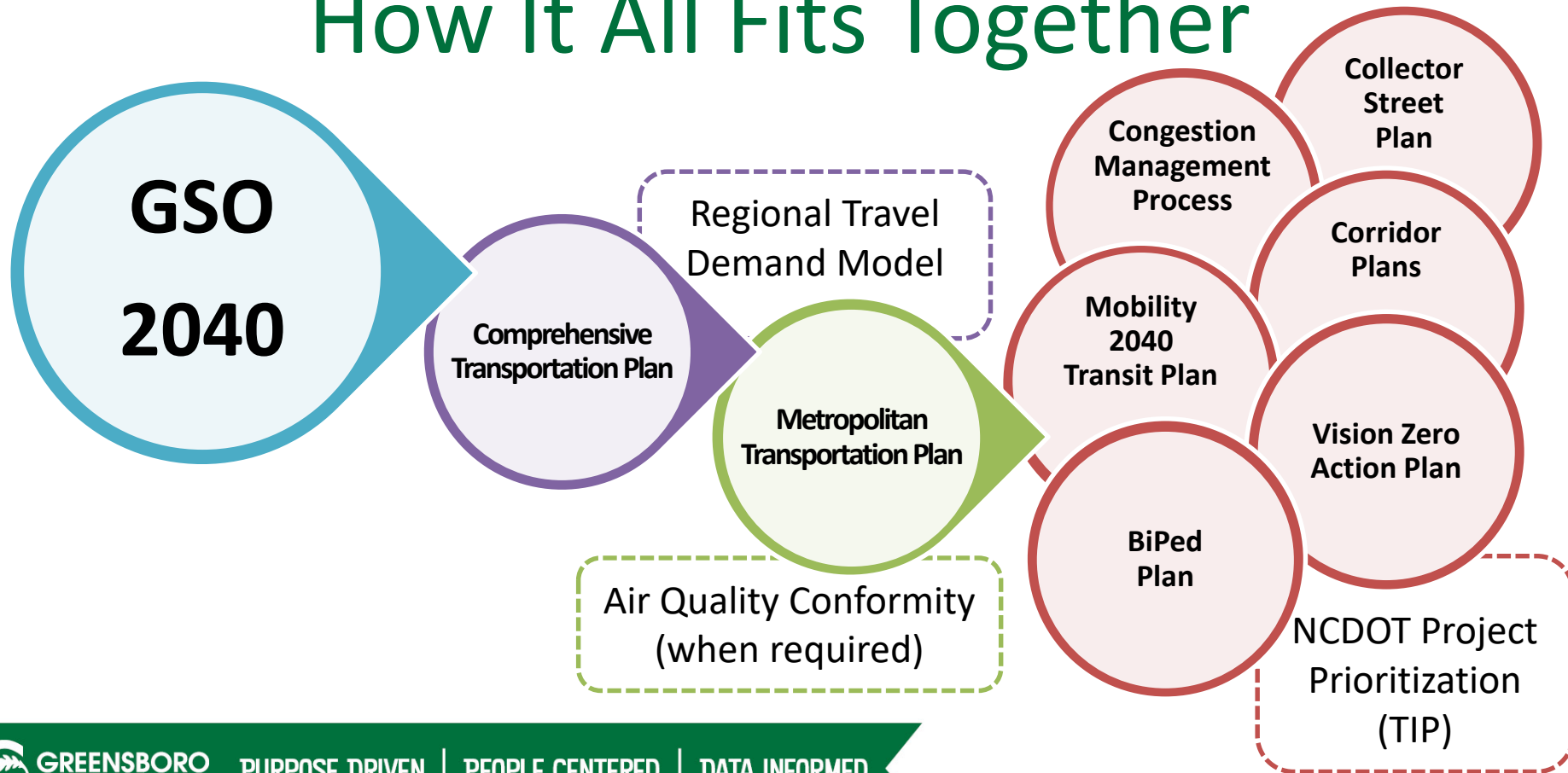


Network Planning

- Greensboro Collector Street Plan (2005)
 - 70 of Freeway
 - 179 Miles of Major Roads
 - 92 Miles of Minor Roads
 - 292 Miles of Collectors



How It All Fits Together



Transportation Impact Study (TIS)

- The Study...
 - Projects the impact of proposed development on transportation network
 - Is prepared by a developer's certified traffic engineer
 - Is reviewed by GDOT and/or NCDOT
 - Identifies improvements to address impact
- Required if...
 - > 150 peak hour trips or 1,500 average daily trips
- May be required if...
 - > 100 peak hour trips or 1,000 daily trips
 - History of crashes
 - Network deficiency



How Trips are Projected

- ITE software – 11th edition
- National dataset tied to broad use categories
- Regularly calibrated with actual trip data from across the US



Transportation Impact Study (TIS)



Scope Study

Count Background
Traffic

Project Trips
(TripGen or similar)

Project Build-out
Traffic

Conduct Capacity
Analysis

Identify
Recommendations

Transportation Impact Study (TIS)



Common Improvements

- Number and configuration of driveways or new street connections
- Non-motorized facilities and connections
- New Traffic signals or improvements to existing signals
- Roadway improvements

Neighborhood Traffic Management

Purpose

- Reduce crashes
- Appropriate speed
- Create livable streets
- Encourage sense of place

Peer City Programs Reviewed

Durham, NC | High Point, NC
Raleigh, NC | Charlotte, NC
Portland, OR | Naples, FL
Bel Air, MD | Bryant, TX
Manhattan Beach, CA

Education &
Encouragement

Pop-up Events &
Enforcement

Tactical, Temporary
Installations

Permanent
Installations



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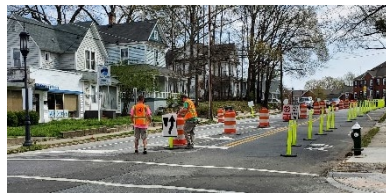
PURPOSE DRIVEN | PEOPLE CENTERED | DATA INFORMED

Neighborhood Traffic Management Tools & Techniques

Education & Encouragement



Pop-up Events & Enforcement



Tactical, Temporary Installations



Permanent Installations



Image credit: deizignline, saris, rubberform, nacto, cleveland.com

Traffic Management Considerations



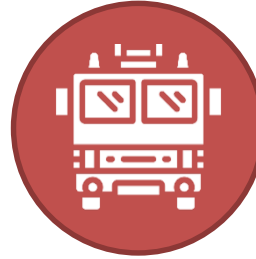
FUNDING

- Materials
- Staffing
- Short Term
vs. Long Term



POLICY

- Data and Analysis
- Equity
- Neighborhood
Engagement
- Standards
- Flexibility



EMS

- Coordination
- Response Routes
- Minimize
Unintended
Consequences

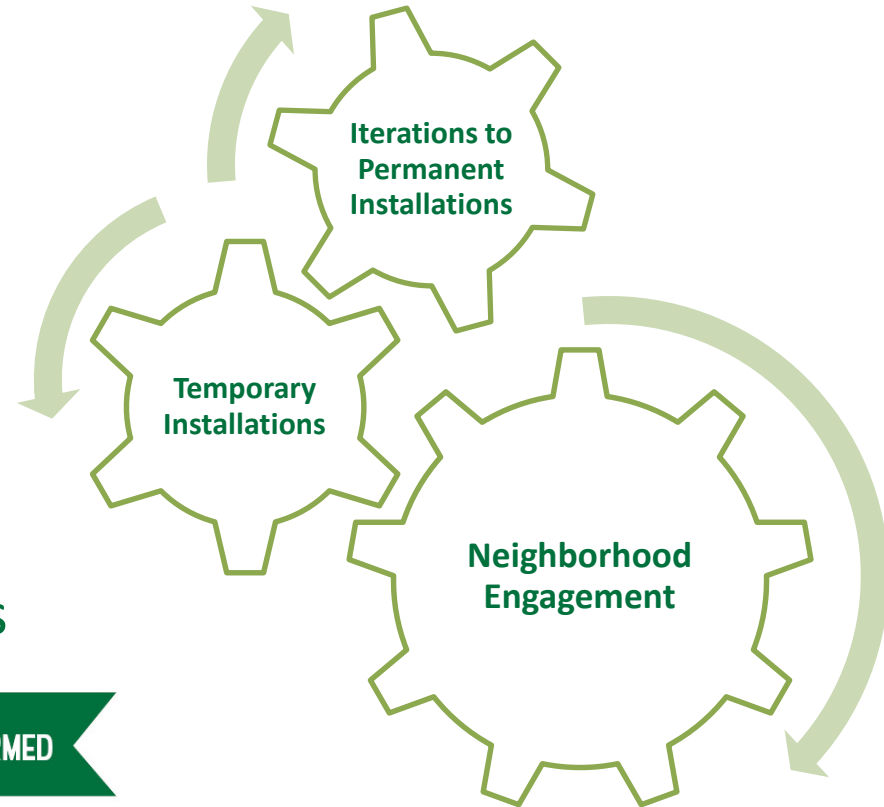


PERFORMANCE

- Speed
- Volume
- Complaints

Neighborhood Traffic Management Proposal

- \$550,000/year
 - 2 FTE
 - Equipment
 - Materials
- Coordination with:
 - Creative Greensboro, Field Operations, Parks and Recreation, Water Resources



Transit Service Contract



Keolis NA contract ends
June 30, 2022



New Contract Changes

- Operations focus
(drivers, dispatchers, mechanics)
- Streamlined management approach
- Performance incentives and disincentives
- Transition of key non-union roles and responsibilities to City July 2022



New Contract Timeline

- Request for Proposals
October 2021
- Contract Approval
February 2022
- Transition Period
March 2022-July 2022
- New Contract
July 2022



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Image credit: the noun project

Questions | Discussion

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