

Georgia DOT Strategic Research Program

**Georgia Transportation Board
Committee of the Whole**

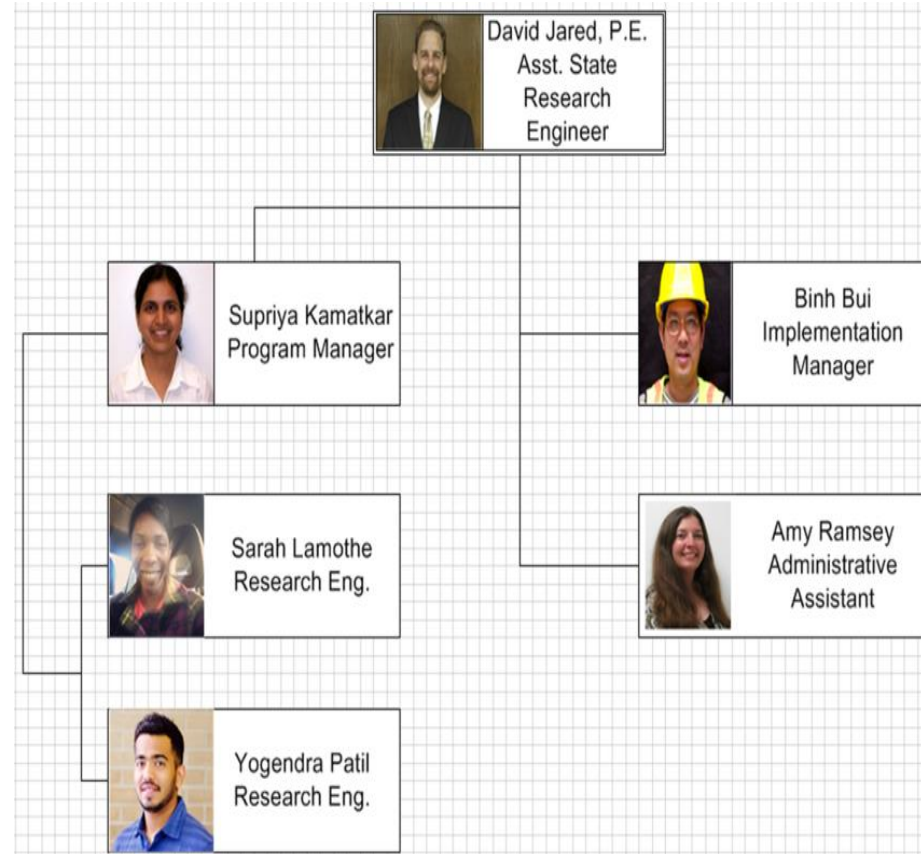
January 19, 2017

Presentation Highlights

- Program Overview
 - Vision/Mission
 - Process
 - Partners
- Noteworthy Projects
 - Past
 - Present
 - Future

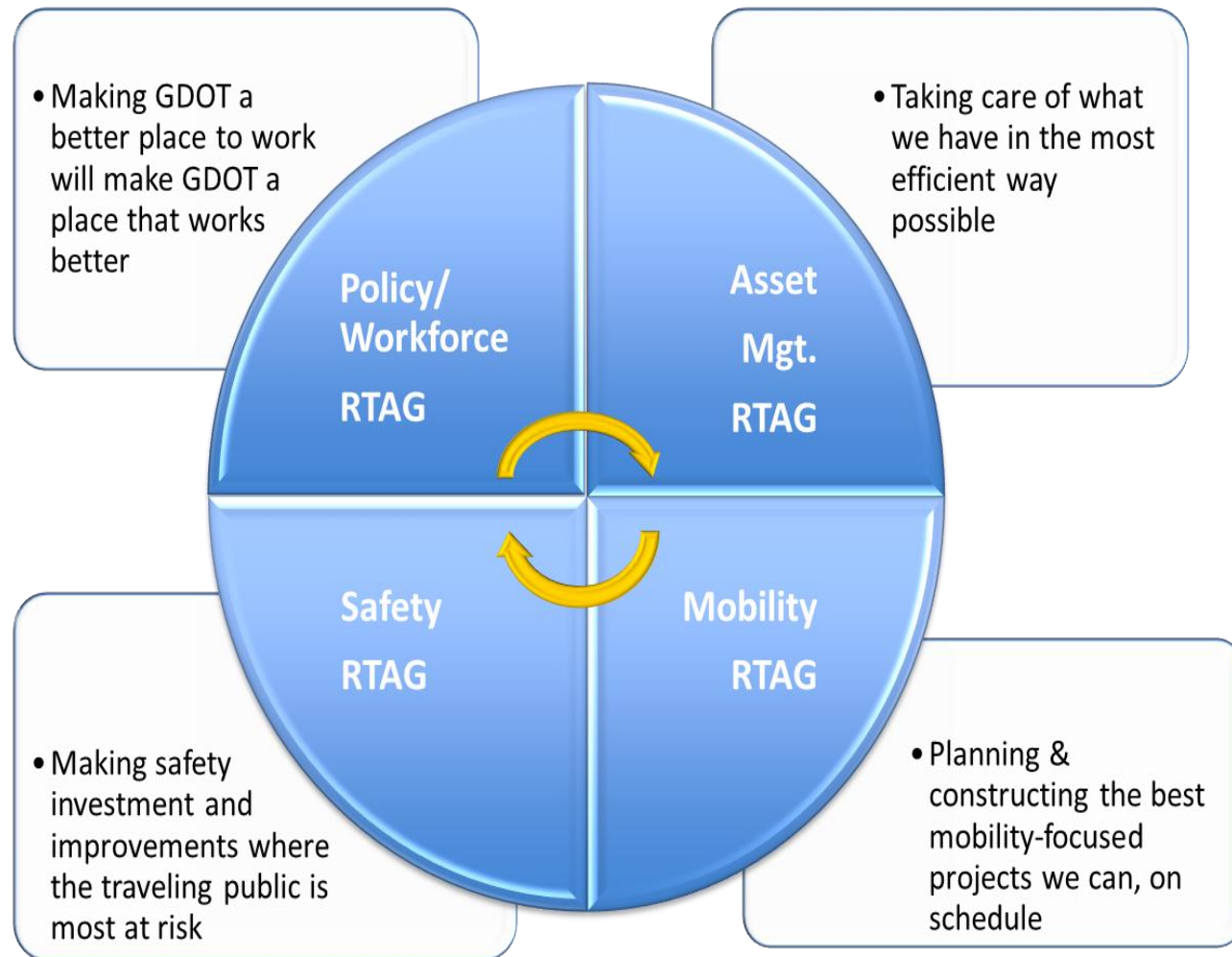
Vision and Mission

- Improving GDOT operations through strategic, *implementable* research
- Serves entire agency through Research Project Managers and Technical/Implementation Managers
- Primarily federally-funded using dollars specifically allocated to research
- Producing cutting-edge research used by other DOT's



Research Technical Advisory Groups (RTAG's) and Research Advisory Committee (RAC)

- RTAG's review and recommend research
- RAC provides guidance and approves projects and funding

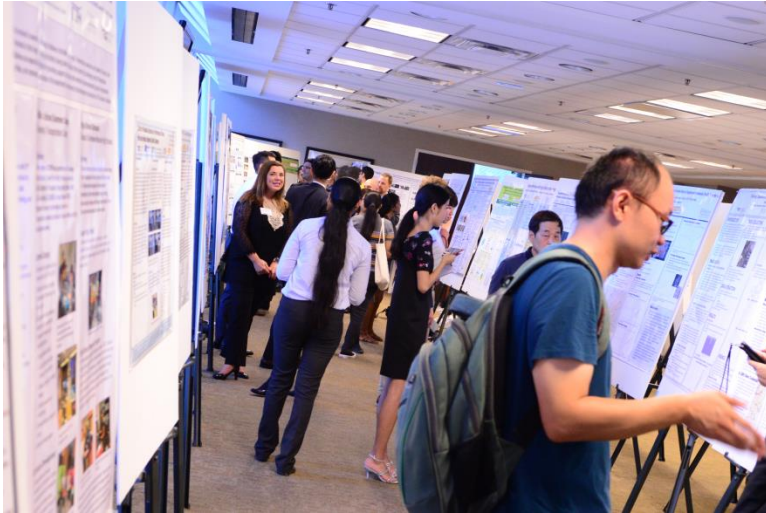


Research Partners

- Georgia Transportation Institute
 - GDOT's primary research partner
 - Georgia universities engaged in transportation research (10)
 - Promotes education and workforce development
- Georgia DNR
- U.S. Geological Survey
- Private sector



2016 Transportation Research Expo



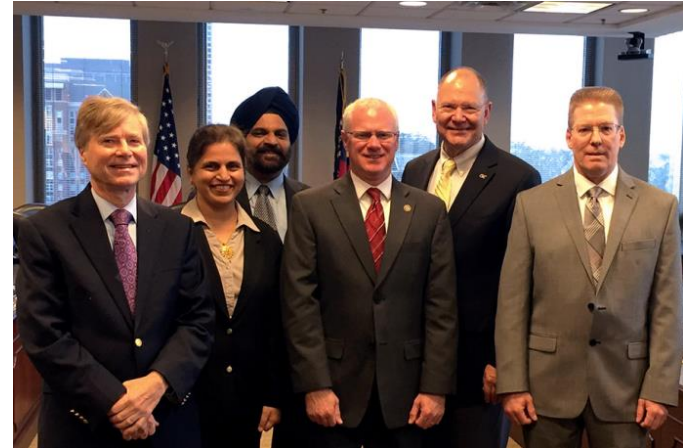
Noteworthy Projects

- Micromilling resulting in construction savings



Noteworthy Projects

- Stainless steel pile reinforcement
 - Bridge longevity
- Environmental context studies
 - Faster project delivery
- City/county pavement evaluation Tool
 - Efficient asset management



Noteworthy Projects

- E-construction
 - Automating and accelerating construction documentation processes
- Project risk assessment tool
 - Capture of project risk and mitigation



Noteworthy Projects

- **Recycled/alternate materials**
 - Pavements
 - Structures
- Innovative intersections
 - Roundabouts
 - Diverging diamond interchanges



Noteworthy Projects

- Unmanned aerial systems (UAS)
 - Feasibility for GDOT operations
- Connected/autonomous vehicles
 - Potential impacts
 - Infrastructure required



Questions?



David M. Jared, P.E.
Asst. State Research Engineer
djared@dot.ga.gov