Presentation Outline

• Overview of the Office of Materials and Testing (OMAT)
• Streamlining
• Innovation
• Culture of Collaboration & Innovation driving Continuous Improvements
Division of Construction

Chief Engineer
Meg Pirkle, P.E.

Division Director
Marc Mastronardi, P.E.

Materials and Testing

Construction

Construction Bidding Administration
Office of Materials and Testing

Administrator
Monica Flournoy, P.E.

Technical Assistance Bureau
Dr. Peter Wu, P.E.

Geotechnical Bureau
Glen Foster, P.E.

Testing Bureau
Rick Douds

Quality Administration Bureau
J.T. Rabun, P.E.
Responsibilities required by Federal Regulation?

23 CFR Part 637

• .205 Policy – State DOT must have
  • Quality Assurance Program approved by FHWA
    • Verification Sampling and Testing
    • Random Samples
  • Independent Assurance Program,

• .209 Laboratory qualifications
  • Central laboratory must be accredited by AASHTO
What do we do?

• Perform Quality Assurance by sampling, testing, and inspecting all construction materials;

• Maintain the Qualified Products List;

• Test and evaluate all new products proposed for use; and

• Perform Independent Assurance assessments.
What do we do?

• Provide aggregate, concrete, and asphalt technical assistance; and
• Provide geotechnical services; and
• Provide pavement analysis and pavement design services.
Culture of Collaboration

1. Define Business Processes - how work gets done and insights into what can be done to improve it. ...
2. Improve the Customer Experience. ...
3. Improve Process Efficiency. ...
4. Improve Resource Productivity. ...
5. Reduce Response Time. ...
6. Reduce Costs.
Streamlining
Quality Administration Bureau

Administrative Branch

Materials Certification Unit - Going Paperless

- GDOT and consultants are submitting documentation to create Material Certificate Checklist and to issue Material Certificates through ProjectWise.
- Letters are received, signed, and issued through electronic means (PW, e-mail).
- ProjectWise is the archive of our data.
- Files have been recycled.
Quality Administration and Geotechnical Bureaus

Improvement in Processes via GDOT 411

- OMAT has transitioned performance metrics to Baseline Schedule through use of 411 Dashboards for Pavement Management, Quality Assurance, and Geotechnical Reports
- Project tracking for both internal and Project Manager use now accessible in 411
Geotechnical Bureau
Implementation of Electronic Requests

Field Operations Branch

July 1, 2018
Geotechnical_Submittals@dot.ga.gov went live
• Allows Construction personnel to request inspections, report problems during construction
• Allows electronic submission of various construction reports and submittals

Geotechnical and Environmental Branches

December 13, 2018
Geotechnical_Reports@dot.ga.gov went live.
• Allows Design Offices to submit requests electronically for Geotechnical reports
• Allows Design Offices to electronically submit consultant reports.
Testing & Technical Assistance Bureaus

Physical and Chemical Testing Branch
Concrete Branch
Bituminous Control Branch

- Going paperless utilizing SiteManager Materials and ProjectWise
- Integrated with Aggregate Industry
- All Asphalt Plants enter QC Samples
- Concrete Sampling and Testing
- 411 Reporting for Test Results
Quality Administration Bureau

Pavement Management Branch

- Implemented a digital signature workflow in ProjectWise - first office to put this in production
- All Pavement Related Submittals are reviewed, signed, approved, and distributed electronically
Testing & Technical Assistance Bureaus

Physical and Chemical Testing Branch
Concrete Branch
Bituminous Control Branch

- Non-Destructive Testing
  - Ground Penetrating Radar
  - Echo Impact Analyzer
Culture of Innovation & Collaboration drives Continuous Improvements

- Re-organize Branches to align with current mission
- Utilize Computer Applications i.e. SiteManager & ProjectWise
- Build in Efficiencies & Create Improvements
- Utilize New Technologies and Equipment
- Update SOPs and GDT Testing Procedures
Thank you!