

GDOT Design Build Bridge Program

Fiscal Year 2016 Bridges



Georgia Department
of Transportation



Program Overview

- **Recent Transportation Funding History and Impetus for Program**
- **Program Methodology**
- **Project Release**
- **Project Award and Implementation**

State of Georgia's Transportation Systems

- ✓ 10th Largest Transportation Network
- ✓ 8th Most Populous State
- ✓ 46th in fuel tax
- ✓ 49th in per capita spending on transportation

Program Funding

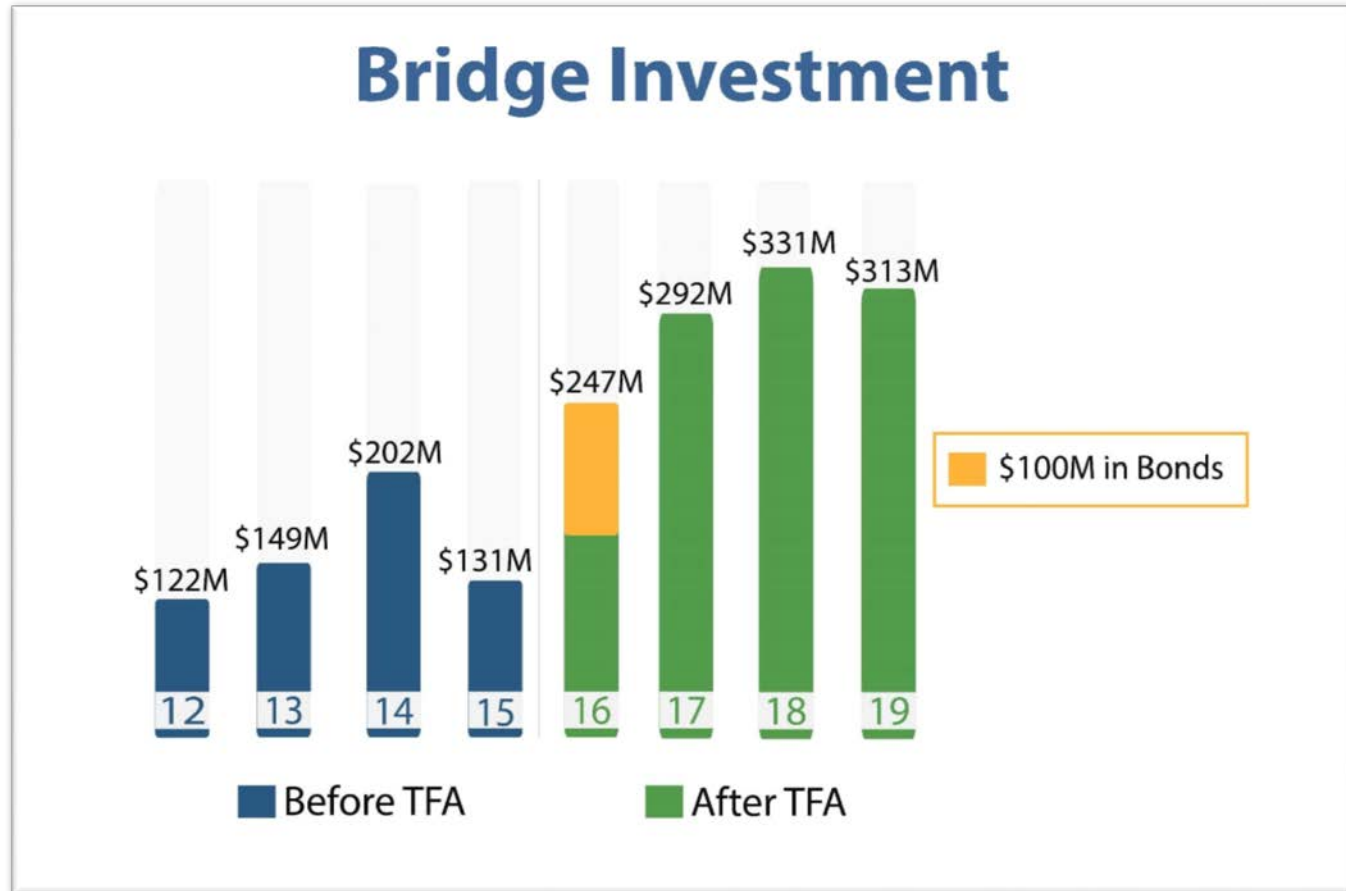
Transportation Funding Act of 2015

- ✓ Raised fuel tax
- ✓ \$5/night fee on hotel stays
- ✓ Elimination of tax breaks
- ✓ Other fees

Program Funding

- **Total amount of money allocated**
 - \$1 billion per year
- **What to do with the additional funds?**
 - Maintenance
 - Bridges

Bridge Funding



Source: Information from Transportation Funding Act, GDOT

State of Bridges in Georgia

- **15,000 bridges with an average age of 44 years**
- **System bridges in good shape**
- **Off-system bridges**
 - Approximately 1,500 local bridges posted

Why Design Build?

- **Speed**
- **All State Funding: allows for more flexibility**
- **Standard Specification Design**
- **Program Management Consultant**

Choosing Sites

Bridges in need of replacement



Choosing Sites



Atkinson County

Choosing Sites



Grady County

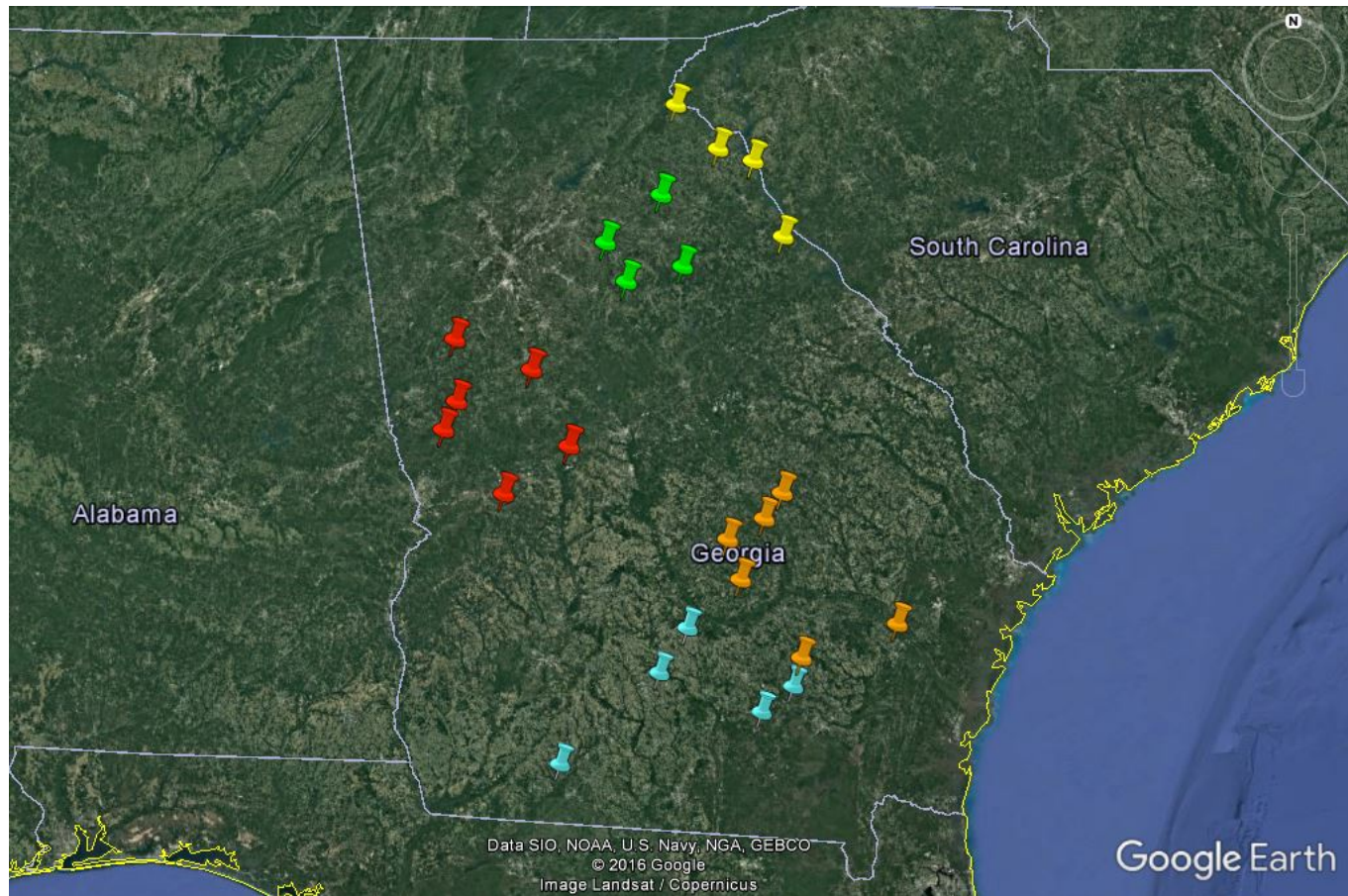
Choosing Sites



Choosing Sites

- **Sites that allowed for full road closure: FY2016 outages tend to range from 90 to 120 days**
- **No additional Right-of-Way**
- **Limited Utility Impacts**
- **Limited Environmental and Historical Impacts**

Bridge Sites

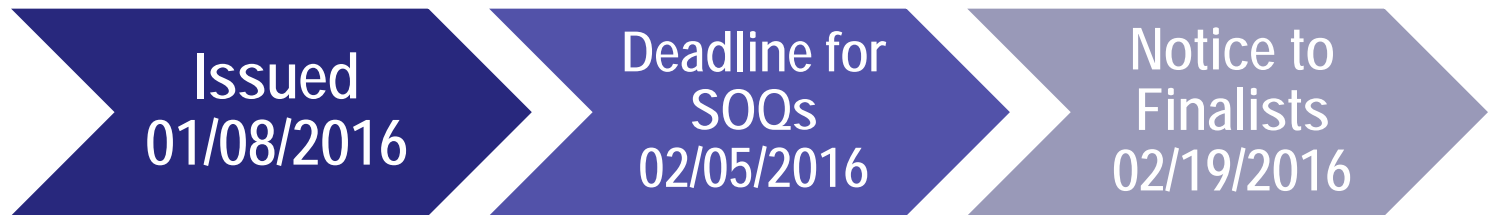


Implementation

- **PNA: 10/16/2015**
- **Industry Forum and One-on-One Meetings: 11/5/2015**

Implementation

RFQ Process



RFP Process



RFQ Phase

- **Members of the team**
- **Selection Criteria**
- **Submittal Package**

RFP Phase

- **Information Provided**
 - RFP Document
 - Costing Plans
 - Site Specific Criteria
 - Design Variances
 - Utility Information
 - Environmental Information
 - Survey

RFP Phase

- **Selection Criteria**
 - Technical Proposal
 - Price

Neel-Schaffer/Southern Concrete Team Wins Batches 4 and 5

- **11 Bridges Total**
- **3 Years to Complete**

Before Design

- **Design Quality Management Plan**
- **Schedule**
- **Schedule of Values**
- **Utility Kick-Off Meeting**

Site Specific Design

- **Hydraulic Report and Preliminary Bridge Layout**
- **Preliminary Roadway Plans**
- **Bridge Foundation Investigation**
- **Field Plan Review**
- **“Lockdown Plans”**

Site Specific Design

- **Environmental Submittals**
- **Final Bridge Plans**
- **Shop Drawings**
- **Release for Construction Plans**

Construction

- **60-day warning to County**
- **30-day warning of bridge closure**
- **Non-conformance Reports**
- **As-Built Drawings**

Future GDOT Bridge Design Builds

- **Fiscal Year 2017: only 2 Batches**
- **I-85 Bundles**
- **Courtland Street Bridge (ABC)**

Questions

Justin Wood, PE

Project Manager

Justin.Wood@Neel-Schaffer.com

www.neel-schaffer.com