Georgia DOT
Every Day Counts 2

SAASHTO 2014
August 23 - 27
EDC Initiatives

Georgia DOT is participating in ten EDC Initiatives

• Locally Administered Federal-aid Projects
• Programmatic Agreements
• 3D Engineered Models for Construction
• Intelligent Compaction
• Alternative Technical Concepts
• Design-Build
• Accelerated Bridge Construction
• High Friction Surface Treatment
• Implementing Quality Environmental Documentation
• Innovative Intersection Designs
EDC Initiatives

• In addition to EDC, GDOT is also participating in five SHRP2 Initiatives
  – National Traffic Incident Management Responder Training (L12)
  – Organizing for Reliability (L01/L06)
  – Managing Risk in Project Delivery (R09)
  – Managing Complex Projects (R10)
  – Pavement Preservation (R26)

• This presentation highlight several successful EDC initiatives
Design-Build

Objectives

• Increase and extend D-B to other areas such as the local program

• Develop procedures for including Best Value in D-B process

• Develop procedures for D-B Single Phase procurement
Design-Build

GDOT Successes

• Two D-B projects awarded and three more proposed for this Summer

• Different projects delivered using D-B
  – $176M managed lane project
  – $1.5M SRTS project
  – $5M accelerated bridge construction project

• D-B Manual updated to increase flexibility

• Workshop held with utility owners, consultants and contractors in February 2014
Programmatic Agreements

Objectives

• Streamline the CE process through use of PCEs where applicable.

• Develop an updated PCE agreement that clarifies procedures for non-construction projects among other enhancements.

• Complete PCE for Minor Bridge Replacement Program (Low-Impact Bridges) with goal of more rapid CE approvals.

• Develop programmatic agreement(s) for threatened and endangered species for which GDOT gets repeated construction conditions and limits.
Programmatic Agreements

GDOT Successes

• Partnered with FHWA to develop streamlined PCE Type II Action for Minor Projects

• Increased NEPA CE approvals from 69% and 65% in FY 2011 and 2012 to 80% in FY 2013

• Streamlined process approved by FHWA in Dec 2013 for certain low-impact bridge projects.
High Friction Surface Treatment

Objectives

• Develop a Special Provision for HFST use in Georgia

• Identify a list of candidate HFST locations

• Reduce crashes in curves treated with HFST
High Friction Surface Treatment

- **GDOT Successes**
  - Special Provision was completed in September 2013
  - 8 locations included in Cherokee County Safety Project
  - 27 District 5 locations in June LET
  - 83 District 1 locations proposed for FY15
  - Before and after studies will be conducted 3 to 5 years after completion
Accelerated Bridge Construction

**Objective**

- Deliver a bridge replacement project using Slide-in or Self-Propelled Modular Transport (SPMT) technology
- Develop standard plans for NEXT beam for Load and Resistance Factor Design (LRFD)
Accelerated Bridge Construction

• GDOT Successes
  – D-B procurement underway for Bridge replacement project (Slide in or SPMT) in Dade County
  – 3 bridge projects under design utilizing NEXT beam standards
  – 1 bridge under design utilizing PSC beams and Pre-cast deck
Questions?

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