



Georgia Department of Transportation

Accelerat^{ing} Bridge Construction

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SASHTO 2019 – August 20, 2019



Accelerated Bridge Construction

- Tier 1 – 1 to 24 hours
- Tier 2 – Within 3 days
- Tier 3 – Within 2 weeks
- Tier 4 – Within 3 months
- Tier 5 – Overall reduction in schedule from years to months

SR 299 over I-24 Bridge Replacement

- ABC Pilot Project for GDOT
- 201'-7" 2-span Bridge
- Reduce Traffic Impacts
- Improve Work-zone Safety
- 56 hour Scheduled Closure for SR 299
- Opened on May 16, 2017



SR 211 over Beech Creek

- 148' Single Span Bridge
- Full Depth Precast Deck Panels
- Ultra High Performance Concrete (UHPC) for Joint Connections
- 60 Day Scheduled Road Closure
- Opened on July 29, 2016 in 59 Days



Elliott Road over Walnut Creek



Elliott Road over Walnut Creek

- 145' Single Span Bridge
- Full Depth Precast Deck Panels
- Ultra High Performance Concrete (UHPC) for Joint Connections
- 45 Day Scheduled Road Closure
- Opened on may 23, 2019



Blackhall Road over Rum Creek

- 195' 3-span Bridge
- 54" Deck Bulb Tee Units Constructed On-site
- Ultra High Performance Concrete (UHPC) for Joint Connections
- 60 Day Scheduled Road Closure
- Closed August 12, 2019
- Scheduled to Open October 4, 2019



Courtland Street over CSX RR, Marta, and Decatur Street



Courtland Street over CSX RR, Marta, and Decatur Street

- 1130'-6" 12-span Bridge
- Micropiles
- High Early Strength Concrete
- Aggressive Work Schedule
- 6 Months Scheduled Road Closure
- Closed May 7, 2018
- Opened on October 4, 2018



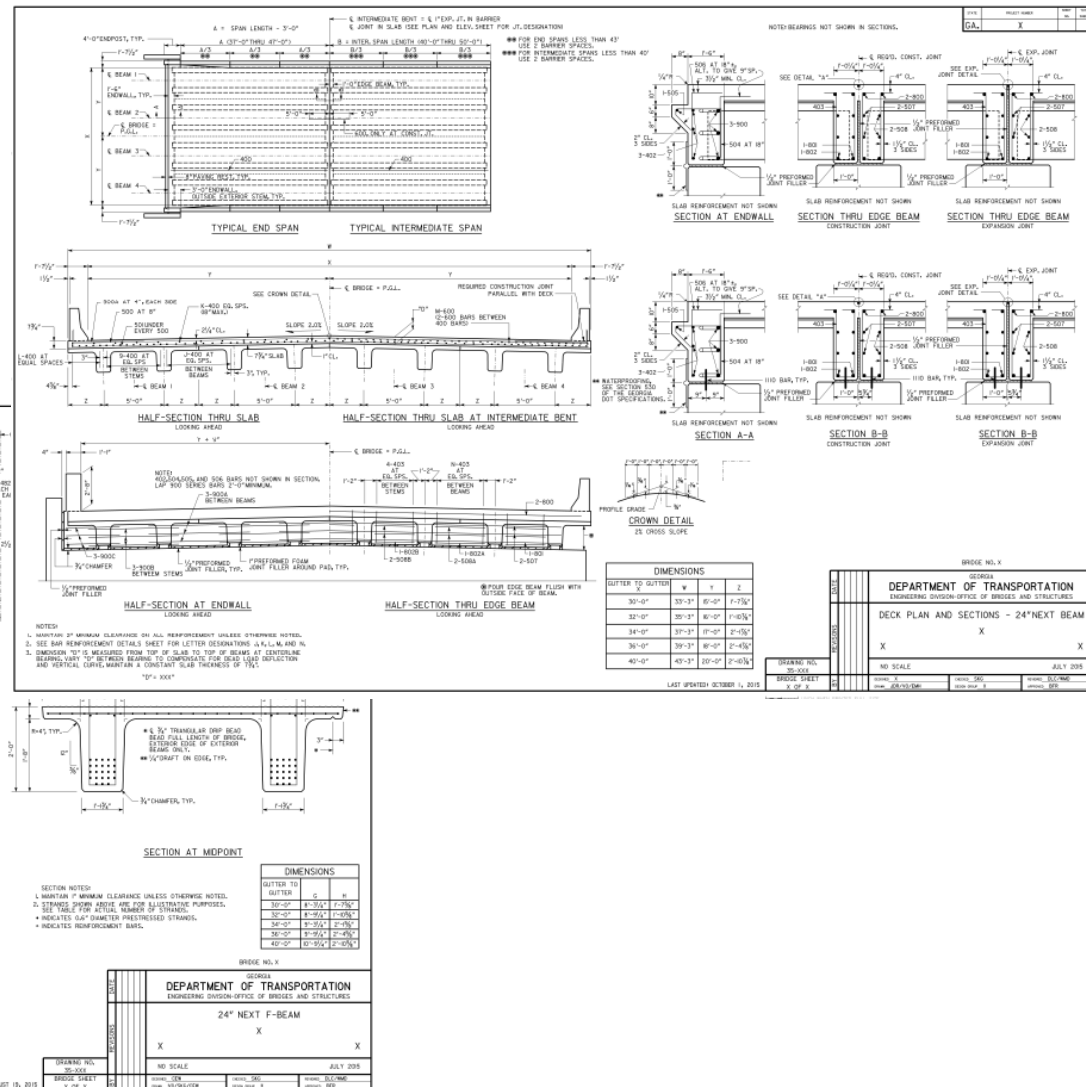
NEXT “F” Beams

- NEXT “F” for “Formed”
- Spans From 40’ to 70’
- Metal Deck Forms not Required



NEXT Beams

- Standard Details
- Use of NEXT D-Beam with UHPC Connections



Low Impact Bridge Program (LIBP)

- Low Environmental Impacts
- No Additional ROW Required
- No Geometry or Grade Changes
- Use of Off-site Detours
- Use of Box Beams and Cored Slab Beams
- Since 2015, 25 bridges opened, 10 bridges under construction and 38 more in Preliminary Engineering



Thank You

