

MINUTES OF AGC-DOT JOINT BRIDGE SUBCOMMITTEE MEETING

(Approved: February 13, 2019)

The AGC-DOT Joint Bridge Subcommittee met on August 8th, 2018. Those in attendance were:

Brian Hanks	State Structures Engineer (Co-Chairman)
Berry Jenkins	Carolinas AGC – Highway Division Director (Co-Chairman)
Gichuru Muchane	Assistant State Structures Engineer
Philip Creasman	Buckeye Bridge, LLC
Patrick Buckley	Crowder Construction Company
Adam Holcomb	Dane Construction, Inc.
Matthew Miltner	Lane Construction Corporation
Chris Powers	Lee Construction Company
Will Robinson	Lee Construction Company
Randall Gattis	Sanford Contractors, Inc.
Ben Bishop	Sloan Construction
Jorge Gambini	Thalle Construction Company
Larry Cagle	Thompson-Arthur Div., APAC-Atlantic, Inc.
Kevin Knuettel	Zachery Construction Corporation
Cameron Cochran	Construction Unit – Regional Bridge Construction Engineer
Aaron Earwood	Construction Unit – Regional Bridge Construction Engineer
Scott Hidden	Geotechnical Unit – Support Services Supervisor
Tom Santee	Geotechnical Unit – Regional Operations Engineer
Cabell Garbee	Material & Tests Unit – Field Operations Engineer
James Bolden	Structures Management Unit – Project Engineer
Dan Muller	Structures Management Unit – Project Engineer
Nicholas Pierce	Structures Management Unit – Team Leader
Trey Carroll	Structures Management Unit – Team Leader

During the review of the June 13th, 2018 meeting minutes, the following items were discussed:

1. Working Drawing Submittal

Mr. Bolden stated that Resident Engineers are notified when the Contractor is not carbon copied on a submittal response and added that the Resident Engineer should relay the submittal's status to the Contractor. He noted that Contractors can check the status of a submittal on the Structures Management Unit website and may call him if they do not find the information they need.

2. Integral Abutments at MSE Walls

Mr. Hanks noted that Structures Management has submitted a Research Needs Statement for reviewing performance and construction techniques for integral abutments.

The minutes of the June 13th, 2018 meeting were approved.

The following items of new business were discussed:

1. Anchor Bolt Layout

Mr. Cochran discussed challenges with properly locating anchor bolts during substructure construction and inquired if additional dimensions could be provided to assist with anchor bolt layout. Mr. Buckley and Mr. Gattis stated they typically provide additional offset dimensions to assist field personnel and noted the offset dimensions are provided from either the workpoint or centerline of cap. Mr. Hanks suggested providing offset dimensions from the workpoint on the substructure plan sheets for anchor bolt layout.

Action Item:

Structures Management will develop an anchor bolt layout sample and share with the subcommittee for comment during the next meeting.

2. Rebar Sampling

Mr. Earwood noted that regardless of a project's steel tonnage, Materials and Tests Unit is requiring two independent assurance sample bars be taken in the event one sample fails, another bar is available for testing. He stated the plan note for independent assurance samples should match Materials and Tests procedures for sampling reinforcing steel.

Action Item:

Construction and Materials and Tests will review sampling requirements and advise Structures Management if the independent assurance sample plan note needs revising.

3. Stone for Overlay Sampling

Mr. Cochran discussed aggregate requirements for overlay systems and noted the only suppliers of the material are out of state. Mr. Earwood and Mr. Garbee discussed current sampling practices and noted inconsistencies. Mr. Muller stated that internally the Department will discuss aggregate sampling requirements.

Action Item:

Structures Management will coordinate a meeting with Materials and Tests and Construction to discuss sampling requirements.

4. Curing Compound Sampling

Mr. Earwood stated each batch of curing compound should be tested and certified prior to arrival on a project site. If certification is not provided, the Resident Engineer is responsible for sampling. He noted that clear curing compounds should not be used in order to ensure adequate coverage is achieved.

Action Item:

None

5. Sloped Bottom of Wing Details

Mr. Cochran discussed methods to form end bent wingwalls with sloped bottoms and noted construction concerns with adequately compacting material under the wings. Mr. Gattis added that forming sloped wingwalls on compacted fill requires cutting the forms. Mr.

Hanks noted the detail originated with Design-Build projects and that the detail is useful for integral end bents with long wingwalls since braced piles are not permitted.

Action Item:

Construction, Geotechnical, and Structures Management will discuss wing details and how to address integral end bent wingwalls.

6. Pile Redrives

Mr. Holcomb discussed a project where he was instructed to use at least 2 waiting periods which did not result in the redrive achieving bearing. He noted that the pile was never close to bearing and that the Standard Specifications do not limit the number of redrive attempts, which is a time concern for Contractors. Mr. Earwood noted this was an isolated incident and encouraged Contractors to discuss any requests that they believe to be unreasonable with the Resident Engineer.

Action Item:

None

7. IRI PSP

Mr. Earwood noted the Special Provision for Bridge Deck Rideability is being revised to include the International Roughness Index (IRI). He stated subcommittee members will be given an opportunity to comment on the revised provision.

Action Item:

Construction will distribute the revised Special Provision for Bridge Deck Rideability to the subcommittee for comments.

Next Meeting

The next meeting is scheduled for October 10th, 2018 in the Structures Management Conference Room C.

Post Meeting Notes:

Due to hurricane recovery efforts and a limited agenda, the October 2018 meeting was canceled.

Due to scheduling conflicts, the December 2018 meeting was canceled. The next meeting is scheduled for February 13th, 2019 in the Structures Management Conference Room C.