DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

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Cobb County

OFFICE Materials and Research
Forest Park, Georgia

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FROM Georgene M. Geary, P.E., State Materials and Research Engineer

TO Darryl VanMeter, P.E., Office of Innovative Program Delivery

SUBJECT **BRIDGE DECK CONDITION SURVEY**

Below as requested is the Bridge Deck Condition Survey for the referenced project.

Structure ID 067-0196-0
Ramp W over I-285 CD EBL

This two-lane Post-tensioned Box structure was constructed in 1986. The inspection of the deck revealed transverse grooving with moderate spaced hairline cracks (see attached pictures) throughout the bridge deck surface. An 8 ft^2 cement-based patch was found in Lane 2 that is in good condition. Also in Lane 2 located ±310 feet from Bent 1 a spall 1 foot by 3 inch by 2.0 inch deep was found. In Lane 1 located ±1540 feet from Bent 1 a 4 inch diameter by 2 inch deep spall was found. Overall the deck is in good condition. Hammering of the deck indicated an average compressive strength of 5500 psi. The concrete approach slabs on both ends of the bridge have hairline longitudinal cracks.

Based on these findings, corrective work recommended is the sealing of the cracks in the deck and approaches and the repair of the spalls.

If you have any questions, please contact Myron Banks at 404-608-4876.

GMG:mkb

c: Ben Rabun, P.E., State Bridge and Structural Design Engineer