DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE NH000-0073-03(242) COBB COUNTY
I-75/I-575 Reversible Lanes
P.I No. 714310

DATE December 22, 2009

FROM Paul V. Liles, Jr., P.E., State Bridge Engineer

TO Darryl VanMeter, P.E., State Innovative Program Delivery Engineer
Attn: John Hancock

SUBJECT **WIDENING I-75 OVER NOONDAY CREEK, BRIDGE NO. 31**

The Hydraulic and Hydrological Study and preliminary layout prepared by J. B. Trimble, Inc. for the above crossing were received in the Bridge Office on December 7, 2009, and have been reviewed by the Bridge Design Office. The hydraulic study and preliminary layout can be made acceptable, subject to addressing the review comments listed below:

1. Please address the markups on the attached preliminary layouts. The preliminary layout is required to be signed and stamped by a registered professional engineer.
2. Address the comments in the study. See the attached sheets.
3. A Bridge Condition Survey and a Deck Condition Survey must be requested from the Office of Bridge Maintenance and the Office of Materials and Research, respectively, for all bridge widening projects. The results of these surveys must be included in the hydraulic study. Any repairs listed in these surveys should be included on the preliminary layout.
4. The backwater depth decreases for larger storms. Please have the consultant check these results.
5. The study should explain why the north end of the bridge is to be skewed.
6. The profile sheet should show the PVI station and elevation.
7. The typical section included in the roadway plans in the study applies to I-575, not I-75.

Please note that only a very cursory review was made of the Hydraulic and Hydrological Study by the Bridge Design Office. The computer models were not checked and only obvious discrepancies were noted in the study. The Consultant is ultimately responsible for assuring that this hydraulic study adheres to the policies and guidelines contained within Chapters 14 and 2 of the Georgia Drainage Manual and will be held accountable for the accuracy and contents of this study. Copies of these chapters can be obtained by contacting Susan Beck of the Office of Bridge Design.

The Bridge Design Office will be unable to provide multiple reviews for consultant studies. Also, due to space limitations, we cannot keep hard copies of these studies. Please provide the Office of

Bridge Design with electronic copies of the final hydraulic study and preliminary bridge layout (and FEMA package if applicable) for our records. These electronic copies are required to be in Adobe Acrobat Portable Document Format (.PDF). Do not password protect these PDF files. This Adobe Acrobat (.PDF) electronic copy of the study is a requirement for all hydraulic studies initiated after January 1, 2001. The cover sheet of the hydraulic study, as well as the preliminary bridge layout (and FEMA package if applicable), are required to be stamped and signed by a registered Professional Engineer. Please send these electronic copies to the attention of Susan Beck. In addition, please send five half-size copies of the final preliminary bridge layout to the Bridge Design Office for our use.

Any future revisions of the Hydraulic and Hydrological Study and/or preliminary bridge layout should be forwarded to the Bridge Office in the above format.

If you have any questions and/or comments, please contact Susan Beck of the Bridge Design Office at (404) 631-1862 or at email address sbeck@dot.ga.gov.

PVL/STB

Attachments

cc: Bill DuVall (Susan Beck)
Ron Wishon, State Project Review Engineer