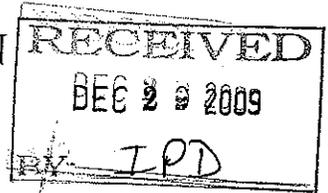


DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE NH000-0073-03(242) COBB COUNTY **DATE** December 22, 2009
I-75/I-575 Reversible Lanes
P.I No. 714310

FROM *MW* 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 HOPE AND ROTTENWOOD CREEKS
BRIDGE NO. 16 & 17

The Hydraulic and Hydrological Study and preliminary layout prepared by PBS&J, 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 layouts can be made acceptable, subject to addressing the review comments listed below:

1. Please address the markups on the attached preliminary layouts. The preliminary layouts are required to be signed and stamped by a registered professional engineer.
2. Address the comments in the study. See the attached sheets.
3. For sites located within a regulatory floodway, two sets of computer data should be included. The first set should be based on GDOT criteria listed in the Drainage Manual including USGS discharges, field-observed Manning's 'n' values and updated survey data at the bridge.
4. The model should take in to account the increased discharge and effects from the confluence with Rottenwood Creek. It does not appear this was included in the model.
5. The proposed channel realignment should be explained in more detail. It is not clear from the report what is being proposed concerning the channel. Also, it needs to be determined by the office of Environment and Location whether this channel realignment is acceptable.

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