Date: xx/xx/2002

Memorandum to: Road Design Group Coordinator Wilbur Smith
Bridge Design Squad/Team Leader Wilbur Smith

From: Hydraulic Design Squad/Engineer Wilbur Smith

Subject: Hydrology Data for Bridge Over Calhoun Creek

County: Abbeville Rd/Rte.: SC 72 Const. Pin: 28268
Structure No.: TBA
Bridge Length: 150'-10" ft. Bridge Roadway Width: 46'-10" ft.
Beg. Station: 547+08.23 End Station: 548+59.06 Skew Angle: °
Bridge Span Configuration: 48'-11"-53'-48'-11"
Bridge Span Type:

Min. F. G. Elev.: 441.89 ft. Min. Low Steel: ft.
End Fill Slope: 2 Riprap Req'd: Yes X To Elevation: 428.10 ft.
No

Comments:

Historical Highwater Elev. =

Maximum Backwater Elevation Upstream of the Bridge
50 Year H. W. Elev. = 425.06 including ft. Backwater
100 Year H. W. Elev. = 426.04 including ft. Backwater

HYDROLOGY DATA:
D. A. = 32.0 sq. mi. = ac.
Q50= 3639 cfs
Vel. = 5.1 ft/sec
50 Year W.S. Elev = 425.06 ft.
Q_{100} = 4207 cfs
Vel. = 5.4 ft/sec
100 Year W.S. Elev = 426.04 ft.

OVERTOPPING FLOOD:
Q = cfs
Probability = < 0.002

cc: Program Manager Meetze