

BRIDGE REPLACEMENT SCOPE AND RISK ASSESSMENT FORM

This project is not replacing the structure over Hobcaw Creek. The project ties down before this is required.

V. Field Review (cont.)

B. Hydraulic Features

a. Scour Present: Yes No Location: Pier 3-6 minor (<1')

b. Distance from F.G. to Normal Water Elevation: 7' 4.5" ft.

c. Distance from Low Steel to Normal Water Elev.: 6' ft.

d. Distance from F.G. to High Water Elevation: 5' 4.5" ft.

e. Distance from Low Steel to High Water Elev.: 4' ft.

Measured on low side of banked bridge curve at center of bridge

HWM = 2'

f. Channel Banks Stable: Yes No

Describe:

Braided low tailwater condition

g. Soil Type: Edisto loamy fine sand (USGS Web Soil Survey)

h. Exposed Rock: Yes No Location: _____

i. Give Description and Location of any structures or other property that could be damaged due to additional backwater.

Parking lots and shops exist 100'+ away from main channel on higher elevation. Not expected to be damaged by backwater.

C. Existing Roadway Geometry

a. Can the existing roadway be closed for an On-Alignment Bridge Replacement

Yes No

Describe:

Highway, major traffic impacts

If "yes", does the existing vertical and horizontal curves meet the proposed design speed criteria?

If "No", will the proposed bridge be:

Staged Constructed

Replaced on New Alignment